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THE
OFFICIAL DIRECTORY
OF THE
WORLD'S COLUMBIAN EXPOSITION

May 1st to October 30th, 1893.

A REFERENCE BOOK

OF EXHIBITORS AND EXHIBITS;
OF THE OFFICERS AND MEMBERS OF THE WORLD'S
COLUMBIAN COMMISSION, THE WORLD'S COLUMBIAN EXPOSITION
AND THE BOARD OF LADY MANAGERS; A COMPLETE HISTORY OF THE EXPOSITION.
TOGETHER WITH ACCURATE DESCRIPTIONS OF ALL STATE, TER-
RITORIAL, FOREIGN, DEPARTMENTAL AND OTHER
BUILDINGS AND EXHIBITS, AND

GENERAL INFORMATION CONCERNING THE FAIR.

MOSES P. HANDY,

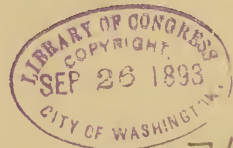
Chief of the Department of Publicity and Promotion,
EDITOR.

GOPIOUSLY ILLUSTRATED.

CHICAGO :

W. B. GONKEY COMPANY, PUBLISHERS TO THE WORLD'S COLUMBIAN EXPOSITION

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PREFACE.

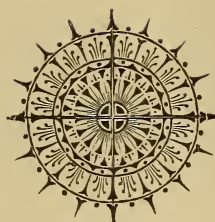
When the United States Government took charge of the World's Columbian Exposition on the occasion of its dedication in October, 1892, a Board of Control was appointed to carry the great enterprise to a successful completion. This Board recognized at once the universal interest which was everywhere manifested in the undertaking and foresaw the necessity for providing a book of reference that would furnish the public with the information they were desirous of obtaining, which it was their right to have and the duty of the Exposition to furnish. Arrangements were accordingly made with that end in view and hence the present work.

The purpose has been to provide such data and information of a general kind as will enable any one to comprehend intelligently and in its fullness the greatest Exposition the world has ever known. Much care has been exercised in the preparation of the matter, so that it might be absolutely accurate, and in this connection the publishers are greatly indebted to the officials of the Exposition, the State Boards, State Commissioners, Lady Managers and Representatives of foreign countries.

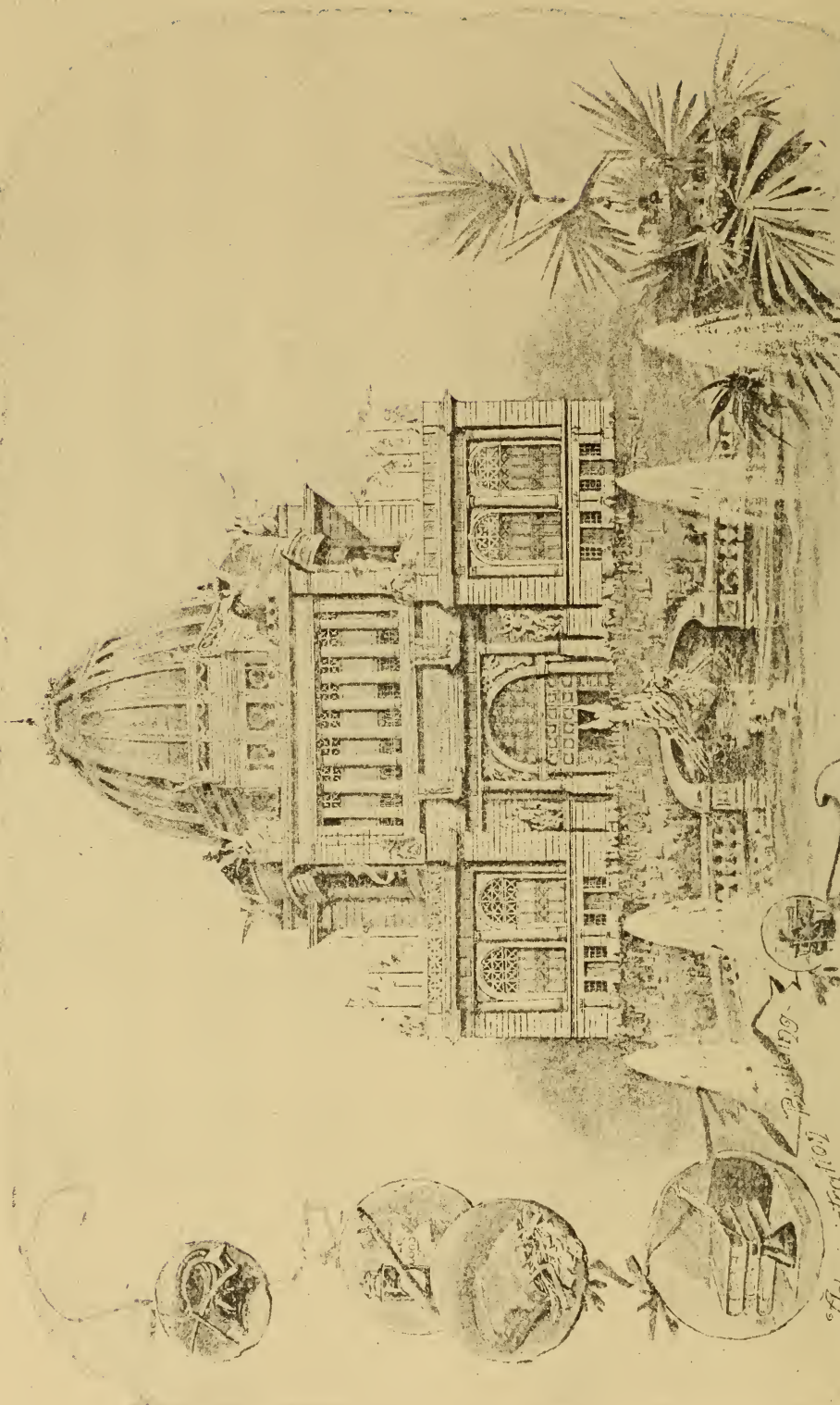
Not only have the publishers fulfilled the conditions required by the government in furnishing the data and information required in such a work, but impelled by a sense of patriotism and pride, have gone further and illuminated its pages with the largest number of illustrations, executed in the highest style of art, that have graced the pages of any work of a like character.

It is believed that everybody, interested as they are in the World's Columbian Exposition, will hail *The Official Directory* with satisfaction and will look upon it as indispensable at this time, and that in years to come it will be referred to with pleasure and profit and will be found a valuable textbook and guide to any nation that in the future may conceive the plan or purpose of holding an exposition of a similar character and scope.

THE PUBLISHERS.



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Building Administration

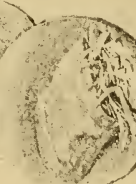
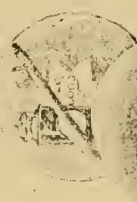


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N. Y.....350, 646

The Goodyear Hard Rubber Co., New
York, N. Y.....350, 646

Haberdashers.
W. Lewis Sons, London, Eng..... 681

Hog Products.
Armour & Co., Chicago Ill.....1000

Hoisting Machinery.
Otis Brothers & Co., New York, N. Y.... 238

Horse Blankets. ("Stay-on.")
Burlington Blanket Co., Burlington, Wis.. 687

Horse Shoes.
Rhode Island Perkins Horse Shoe Co.,
Providence, R. I..... 765

Hotels.
Plankinton House, Milwaukee, Wis..... 682

I

Incandescent Dynamos.
The Ford-Washburn Storelectro Co., Cleve-
land, O.....1003

Incandescent Lighting.
Fort Wayne Electric Co., Fort Wayne,
Ind.....498, 645

Injectors.
The Hancock Inspirator Co., Boston, Mass. 816
Pemberthy Injector Co.....1004

Insulated Wire and Cables.
Safety Insulated Wire and Cable Co.,
New York, N. Y..... 685
W. R. Brixey (Day's Kerite), New York,
N. Y..... 687
The India Rubber Comb Co.....350, 646

Interior Decorations.
Spierling & Linden, Chicago, Ill.....1006

J

Jewelry and Jewelers (Manufacturing).
R. F. Simmons & Co., Attleboro Falls,
Mass..... 637

Kent & Stanley M'fg Co., Providence,
R. I..... 215

Foster & Bailey, Providence, R. I..... 339

Providence Stock Co., Providence, R. I...1031

Jewelers Findings.
S. Moore & Co., Providence, R. I.....1004

Jack-Screws.
The Chapman Jack Co., Cleveland, O.... 824

K

Kneading and Mixing Machines.
Werner & Pfleiderer, Cannstall, Ger..... 479

L

Lace Leather.
Chas. A. Schieren & Co., Chicago, Ill.... 692

Laundry Machinery.		Milk, Butter and Cheese Apparatus, Machinery and Supplies.	
S. H. Sinclair Co., Chicago, Ill.....	822	D. H. Burrell & Co., Little Falls, N. Y....	770
Troy Laundry Machinery Co., Ltd.....	1010	Mining Machinery.	
Leather Belting.		Rand Drill Co., New York, N. Y.....	1003
Chas. A Schieren & Co., Chicago, Ill.....	692	Union Iron Works, San Francisco, Cal....	778
Jewell Belting Co., Hartford, Conn.....	469	Mineral Water.	
Ledgers.		John Morgan, New York, N. Y.....	1004
Theo. M. Brown, Cazenovia, Minn.....	1010	N	
Leggings and Overgaiters.		Navy and Shipyard Machinery.	
S. W. Hall, Chicago, Ill.....	351	J. A. Fay & Egan Co., Cincinnati, O.....	1118
Lenses.		Newspapers.	
E. & H. T. Anthony & Co., New York, N. Y.....	1050	Times Mirror Co., Los Angeles, Cal.....	438
Life Insurance.		O	
Metropolitan Life Insurance Co., New York, N. Y.....	1004	Opera Chairs and Church Furniture.	
New York Life Insurance Co.....	1007	Andrews-Demarest Seating Co., New York, N. Y.....	821
Phoenix Mutual Life Insurance Co., Hartford, Conn.....	437	Organs.	
The Mutual Life Insurance Co. of New York, N. Y.....	491	Chicago Cottage Organ Co., Chicago....	364, 873
Locomotive Castings.		Estey Organ Co., Brattleboro, Vt.	994
Bass Foundry and Machine Works, Fort-Wayne, Ind.....	360-361	Over-gaiters and Leggings.	
Lord's Boiler Compound.		S. W. Hall, Chicago, Ill.....	351
G. W. Lord, Philadelphia, Pa.....	477	P	
M		Paper Dealers.	
Machine Tools.		George H. Taylor & Co., Chicago, Ill.....	425
Beaman & Smith, Providence, R. I.....	485	Paper Folding Machinery.	
Prentice Bros., Worcester, Mass.....	484	Chambers Brothers Co., Philadelphia, Pa....	1105
The Billings & Spencer Co., Hartford, Conn.....	469	Paper Manufacturers.	
Machinery (for Covering Electric Wires).		Badger Paper Co.....	438
New England Butt Co., Providence, R. I..	683	George H. Friend Paper Co., Chicago, Ill.	217
Machinery (Laundry).		Photo Engravers.	
S. H. Sinclair Co., Chicago, Ill.....	822	F. A. Ringler & Co., New York, N. Y....	874
Troy Laundry Machinery Co., Ltd.....		Piano (Manufacturers).	
Machinists' Tools and Supplies.		Chicago Cottage Organ Co., Chicago...364, 873	
The Machinists' Supply Co., Chicago, Ill..	485	Chickering & Sons, Boston, Mass.....	368
Malleable Iron Castings.		Emerson Piano Co.....	427
The National Malleable Casting Co., Chicago, Ill.....	775	Schomacker Pianoforte Mfg. Co., Philadelphia, Pa.....	992
S. J. Meeker, Newark, N. J.....	813	Sohmer Co.....	429
Manufacturing Chemists.		Weser Bros., New York, N. Y.....	363
Burroughs Wellcome Co., London, Eng....	682	Photographic Materials and Supplies.	
Manufacturing and Importing Chemists.		E. & H. T. Anthony & Co., New York, N. Y.....	1050
The Roessler & Hasslacher Chemical Co., New York.....	425	Planing Mill Machinery.	
Mantels, Grates and Tiles.		J. A. Fay & Egan Co., Cincinnati, O.....	1118
Ehman & Simon M'f'g Co., Chicago.....	351	Porcelain (Manufacturers).	
Match and Match Box Machinery.		Haviland & Co., New York, N. Y.....	340
A. Roller, Machine Works, Berlin, Germany	474	Pork and Beef Packers.	
Motors (Manufacturers of).		North Packing and Provision Co., Boston, Mass.....	425
The Ford-Washburn Storelectro Co., Cleveland, O.....	1003	Portraits (Copying and Enlarging).	
		Acme Copying Co., Chicago, Ill.....	871

Printed Cotton Goods.

Berlin Print Works, Philadelphia, Pa..... 766
 The Eddystone M'fg Co., Ltd., Philadel-
 phia, Pa..... 766

Printers and Binders.

W. B. Conkey Co., Chicago.....222, 440, 687, 999

Printers Ink.

Queen City Printing Ink Co., Cincinnati.. 352

Printing Presses.

C. B. Cottrell & Sons, Chicago, Ill..... 773
 Miehle Printing Press Mfg. Co., Chicago.. 638
 Walter Scott, Plainfield. N. J..... 637

Pumping Engines.

Holly M'fg Co., Lockport, N. Y., Chicago,
 Ill..... 439

Pumping Machines.

Henry R. Worthington, London, Eng.1096

Pumps.

Flint & Walling Mfg. Co., Kendallville, Ind. 444
 The Deming Co..... 433

R

Railroads.

Chicago & North Western Ry. Co..... 641
 Louisville, New Albany & Chicago Ry... 638
 New York Central & Hudson R. R. Co... 825

Railway Appliances

Butler Drawbar Attachment Co..... 824

Razors.

J. R. Torry Razor Co., Worcester, Mass...1034

Rock Pulverizers.

Bradley Fertilizer Co., Boston Mass..... 765

Rubber Goods.

C. J. Bailey & Co., Boston, Mass..... 489

S

Safes and Vaults.

American Vault, Safe and Lock Co., Chi-
 cago, Ill..... 679
 Norris & Co., Chicago, Ill.....1009

Sanitariums.

Lincoln Park Sanitarium, Chicago..... 676

Sash, Door and Blind Machinery.

J. A. Fay & Egan Co., Cincinnati, Ohio...1118

Saws.

Henry Disston, Philadelphia, Pa..... 483

Sheet Metal Workers' Machines and Tools.

Niagara Stamping and Tool Co., Buffalo,
 N. Y..... 489

Saw Mill Machinery.

The Edward P. Allis Co., Milwaukee, Wis 450

Scales.

Fairbanks, Morse & Co., Chicago, Ill..... 769

Seeds.

Henry Nungesser, New York, N. Y..... 641

Ship and Engine Builders.

Union Iron Works, San Francisco..... 778

Silver Plated Flat Ware.

Rogers & Brother, New York, N. Y..... 494

Silver Plated Ware.

Simpson, Hall, Miller & Co., Wallingford,
 Conn..... 827

Shot Chain.

S. Moore & Co., Providence, R. I.....1004

Skin Rugs, Robes and Coats.

The J. H. Bishop Co., Wyandotte, Mich... 349

Smoke Consuming Ranges.

Economic Smokeless Fire Co., London,
 Eng.1010

Soaps (Toilet).

The Cosmo Buttermilk Soap Co., Chicago,
 Ill.....1006

Souvenirs.

World's Fair Souvenir Co., Chicago.....1095

Spoke and Wheel Machinery.

J. A. Fay & Egan Co., Cincinnati, Ohio...1118

Spring Manufacturers.

The Wm. D. Gibson Co., Chicago, Ill.....1006

Steam and Gas Fitters' Supplies.

Crane Co., Chicago, Ill..... 486

Steel Manufacturers.

Cast Steel Works of Fried. Krupp, Essen,
 Germany..... 344

Straw Board Manufacturers.

American Straw Board Co., Chicago, Ill... 428

Street Cars.

Brownell Car Co., St. Louis, Mo..... 777

Storage Batteries (Manufacturers of).

The Ford-Washburn Storelectro Co., Cleve-
 land, Ohio.....1003

Street Car Motors (Manufacturers of).

The Ford-Washburn Storelectro Co., Cleve-
 land, Ohio.....1003

Subscription Book Publishers.

W. B. Conkey Co., Chicago, Ill.....
 222, 440, 687, 999

Surface-Coated Papers.

Louis Dejonge & Co., New York, N. Y.... 425

Surveyors' Instruments.

W. & L. E. Gurley, Troy, N. Y..... 642

T

Technical School and College Machinery.

J. A. Fay & Egan Co., Cincinnati, O.....1118

Threshers.

C. Aultman & Co., Canton, Ohio..... 430

Toilet Articles and Novelties.

Joy & Seliger Co., Newark, N. J..... 351

Toilet Requisites
E. L. Boggs, Charleston, W. Va.....1031

Tools and Supplies.
Walworth Mfg. Co., Boston Mass..... 486

Type Founders.
Marder, Luse & Co., Chicago, Ill..... 643

Typewriters.
Wyckoff, Seamans & Benedict (Remington), New York City..... 356
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Twist Drills.
Cleveland Twist Drill Co., Cleveland, Ohio 433
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U

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V

Varnish Makers.
The O'Brien Varnish Co., South Bend, Ind. 358

Valves.
Western Valve Co., Chicago, Ill..... 358

Vehicles.
Elkhart Carriage & Harness Mfg. Co.,
Elkhart, Ind..... 821

W

Wall Paper.
Wm. Woolams & Co., London, Eng.....1010

Watch Chains.
Kent & Stanley Company, Providence, R. I. 215

Watches.
Waterbury Watch Co., Waterbury, Conn. 341

Windlasses and Capstans.
American Ship Windlass Co., Providence,
R. I..... 826

Windmills.
Fairbanks, Morse & Co., Chicago, Ill..... 769
Flint & Walling Mfg. Co., Kendallville, Ind. 444

Wood Split Pulleys.
Dodge M'fg Co., Mishawaka, Ind., and
Chicago, Ill..... 435

Wire and Wire Rope.
John A. Roebling's Sons Co., Chicago, Ill. 358
George Cradock & Co., Wakefield, Eng...1032

Wire Manufacturers.
Washburn Moen M'fg Co., Worcester,
Mass., New York, Chicago, Waukegan,
San Francisco..... 357

Wood Mantels Manufactures.
Ehman & Simon M'fg Co., Chicago, Ill..... 351

Woodworking Machinery.
J. A. Fay & Egan Co., Cincinnati, O.....1118



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COMMISSIONERS.

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 Albert A. Wilson, Washington.

ALTERNATES.

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 Dorsey Clagett, Washington.

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2d Vice-Pres., ROBERT A. WALLER.
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Auditor, WILLIAM K. ACKERMAN.
Assistant Auditor, CHARLES V. BARRINGTON.

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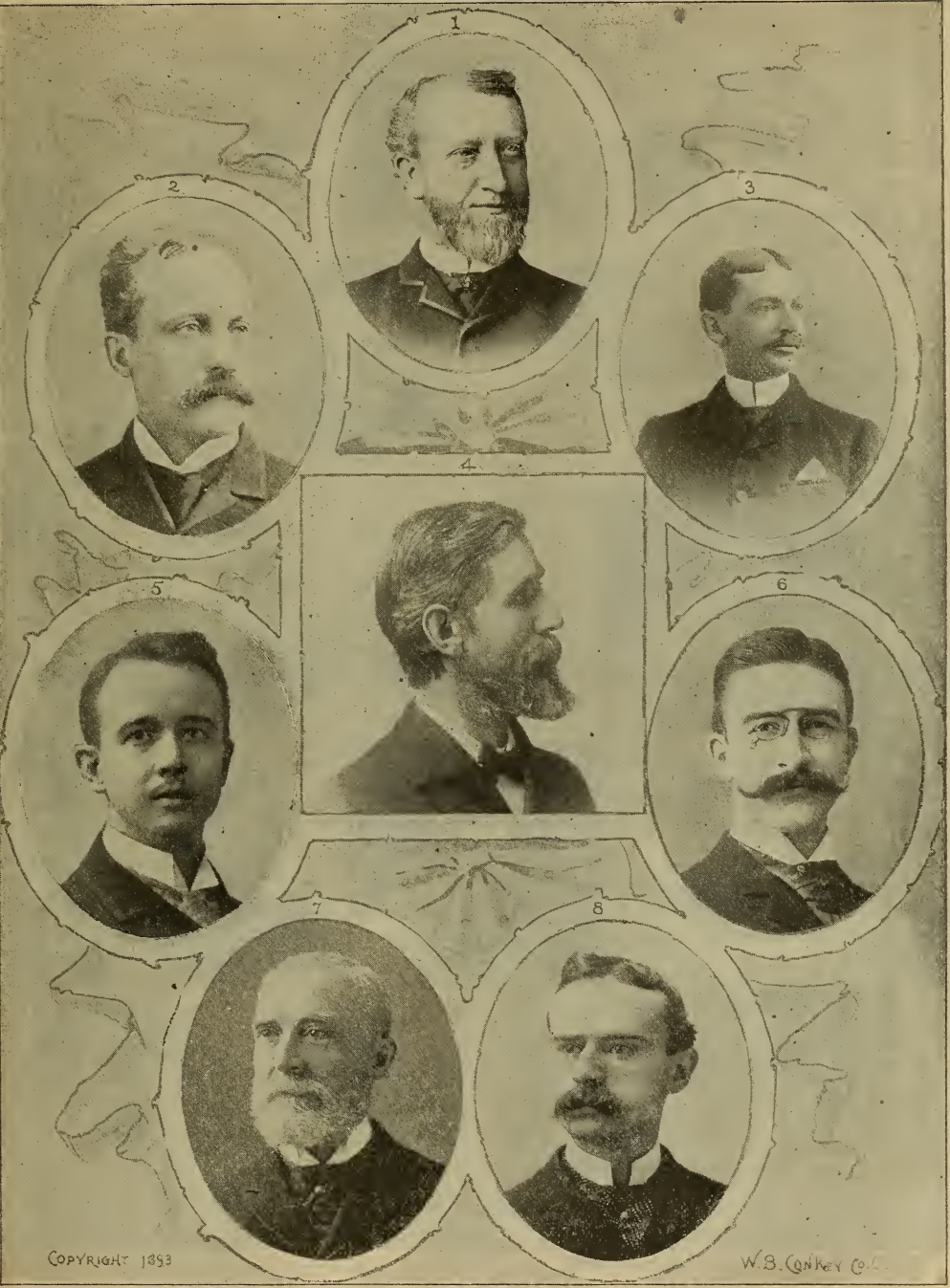
Attorney,
W. K. CARLISLE.
Assistant Attorneys,
GEORGE PACKARD.
CHAS. H. BALDWIN.

Attorney of Ways and Means Committee,
JOSEPH CUMMINS.

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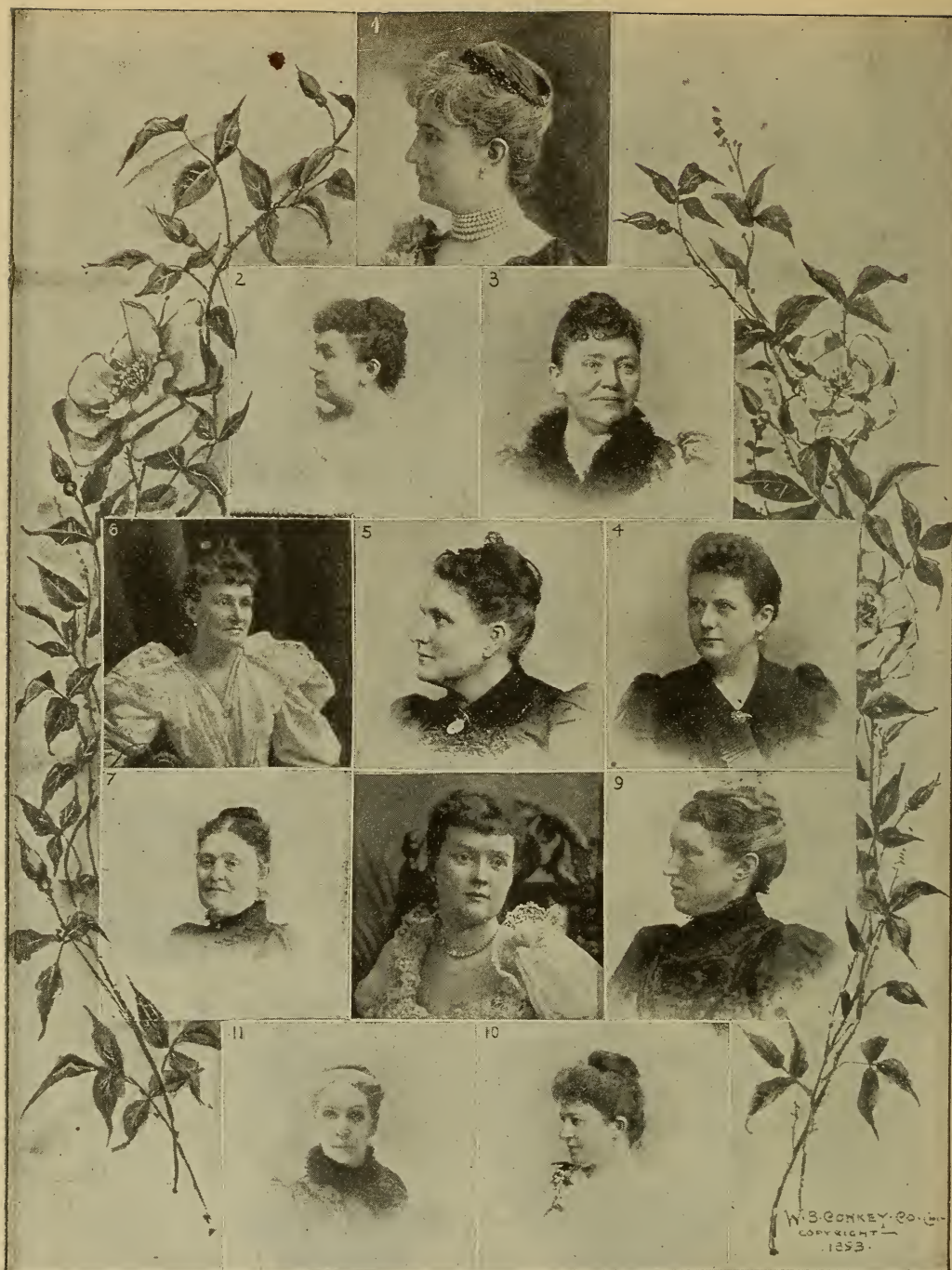
Regular meeting on the second Friday of each month.

<p>William T. Baker—The Temple. C. K. G. Billings—2 Madison Street. Thomas B. Bryan—556 Rand-McNally B'ld'g. Edward B. Butler—Franklin and Congress Sts. Isaac N. Camp—State and Jackson Streets. William J. Chalmers—Fulton and Union Sts. Robert C. Clowry—150 Washington Street. Charles H. Chappell—Chicago & Alton R. R. Mark L. Crawford—House of Correction. George R. Davis—Jackson Park. Arthur Dixon—299 Fifth Avenue. James W. Ellsworth—Phenix Building. Lyman J. Gage—First National Bank. Carter H. Harrison—Mayor of Chicago. Charles Henrotin—169 Dearborn Street. H. N. Higinbotham—Jackson Park. Charles L. Hutchinson—Corn Exchange Bank. Elbridge G. Keith, Metropolitan Nat'l Bank. William D. Kerfoot—85 Washington Street. William P. Ketcham—Hoynes and Blue Island Avenues. Milton W. Kirk—Care James S. Kirk & Co. V. F. Lawson—<i>Daily News</i>.</p>	<p>Edward F. Lawrence—First National Bank. Thies J. Lefens—Room 1, 80 LaSalle Street. Andrew McNally—Rand-McNally Building. Adolph Nathan—Franklin and Jackson Streets. John J. P. Odell—Union National Bank. Ferdinand W. Peck—110 Auditorium B'ld'g. E. M. Phelps—Phelps, Dodge & Palmer. Washington Porter—Room 7, 108 Dearborn St. Alexander H. Revell—Wabash Avenue and Adams Street. Edward P. Ripley—207 Rand-McNally B'ld'g. A. M. Rothschild—203 Monroe Street. George Schneider—115 Dearborn Street. Charles H. Schwab—Jackson Park. J. W. Scott—Chicago <i>Herald</i>. Henry B. Stone—203 Washington Street. Charles H. Wacker—171 North Desplaines St. Edwin Walker—616 Rookery Building. Robert A. Waller—164 LaSalle Street. John C. Welling—78 Michigan Avenue. Frederick S. Winston—Monadnock Building. G. H. Wheeler—2020 State Street. Charles T. Yerkes—444 North Clark Street. Otto Young—The Fair.</p>
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OF THE

WORLD'S COLUMBIAN EXPOSITION

1892-3

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Consisting of the President and two Vice-Presidents, ex-Presidents, who are members of the Board, the Director-General and the Chairmen of the Standing Committees.

- | | |
|--|---|
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| FERDINAND W. PECK, <i>1st Vice-President.</i> | |
| ROBERT A. WALLER, <i>2d Vice-President.</i> | |
| GEORGE R. DAVIS, <i>Director-General.</i> | |
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Edwin Walker.
Wm. D. Kerfoot.
Chas. H. Schwab.
Alexander H. Revell.
Edward P. Ripley.
Charles L. Hutchinson. | James W. Ellsworth.
Robert C. Clowry.
John J. P. Odell.
Edward B. Butler.
Thies J. Lefens.
Lyman J. Gage.
Wm. T. Baker. |

Regular meeting of the Executive Committee Wednesday of each week at 3 o'clock P. M.

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The President and the Director-General are ex-officio members of all standing committees of the Directory.

- | | |
|---|--|
| <p style="text-align: center;">FINANCE.</p> <p style="text-align: center;">Ferdinand W. Peck, Chairman.
Elbridge G. Keith. John J. P. Odell.
Lyman J. Gage. James W. Ellsworth.</p> <p style="text-align: center;">GROUNDS AND BUILDINGS.</p> <p style="text-align: center;">Henry B. Stone, Chairman.
Lyman J. Gage. Robert C. Clowry.
Wm. P. Ketcham. Edward F. Lawrence.
Charles H. Schwab. Erskine M. Phelps:</p> <p style="text-align: center;">LEGISLATION.</p> <p style="text-align: center;">Edwin Walker, Chairman.
Fred S. Winston. Ferd. W. Peck.
Arthur Dixon.</p> <p style="text-align: center;">AGRICULTURE.</p> <p style="text-align: center;">William D. Kerfoot, Chairman.
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George Schneider. Washington Porter.</p> <p style="text-align: center;">MINES, MINING AND FISH.</p> <p style="text-align: center;">Charles H. Schwab, Chairman.
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John C. Welling. George H. Wheeler.</p> <p style="text-align: center;">PRESS AND PRINTING.</p> <p style="text-align: center;">Alexander H. Revell, Chairman.
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Milton W. Kirk. George Schneider.
R. J. Murphy, Secretary.</p> <p style="text-align: center;">TRANSPORTATION.</p> <p style="text-align: center;">Edward P. Ripley, Chairman.
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Charles T. Yerkes. Thomas B. Bryan.</p> | <p style="text-align: center;">LIBERAL ARTS.</p> <p style="text-align: center;">James W. Ellsworth, Chairman.
Robert A. Waller. Isaac N. Camp.
Alexander H. Revell. William T. Baker.</p> <p style="text-align: center;">ELECTRICITY, ELECTRICAL AND PNEUMATICAL APPLIANCES.</p> <p style="text-align: center;">Robert C. Clowry, Chairman.
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Sam. A. Crawford, Secretary.</p> <p style="text-align: center;">FOREIGN EXHIBITS.</p> <p style="text-align: center;">Thies J. Lefens, Chairman.
William T. Baker. Charles H. Wacker.
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PRE-HISTORICAL.

WHAT may be termed the ante-Columbus, or pre-historical, age of the western half of the globe was when the "oldest inhabitant"—the Mastodon and Mammoth—roved this country. In the skeletons of these huge animals, which have ceased to exist for so many thousand years, there are found flint arrow-heads, which must have been made by men who lived in that time, and by which these wild and terrible creatures were slain. Besides the many animals which belonged entirely to that age, and which there is nothing like now, there were many then upon this continent which we read of now only in foreign countries. The monkey was here, in what we call the United States, and the camel and rhinoceros. What the character was of the people who lived at that time it is impossible to guess.

The first race which has left any distinct traces of itself was the Mound-builders, and it hardly seems as if they could have lived at the time of the Mastodon, for they made pictures of all the things about them, and among those pictures there is nothing which resembles these huge animals. This race of men was not savage, in one sense of the word; they worked hard, a thing which the savage seldom does. They had skill and loved the beautiful. They are called Mound-builders because they have left behind them thousands of immense mounds; some curved, some square, some in the shape of a snake. Sometimes these earth-works have from fourteen to sixteen miles of embankment. Some look as if they may have been the dwelling places of their kings; others seem as if they may have protected temples or altars where they worshiped. This people understood the smelting of ores and mining. Their pottery was far from rude and their implements of warfare very serviceable. They buried their great men under huge pyramids of dirt; but the common people, to judge from the great stack of bones which have been found in parts of the country, were doubtless thrown together and left in the open air. At the time they lived this country must have been thickly populated. It must have taken millions of men to do what they did. No one can guess what became of them, or why they left the possessions upon which they had spent so much time and labor. They disappeared many years before the American Indians roamed through our forests.

The American Indians, as Columbus and his fellow Europeans found them, were not the race that we know. They were said to be well formed, winning, gentle and trustful. They were gracious in their speech and friendly in their manner, with soft brown bodies and delicate movements. Here they lived free as birds, without need of much work, with no cares, until the civilized warriors drove them west and ever west.

TRADITIONAL.

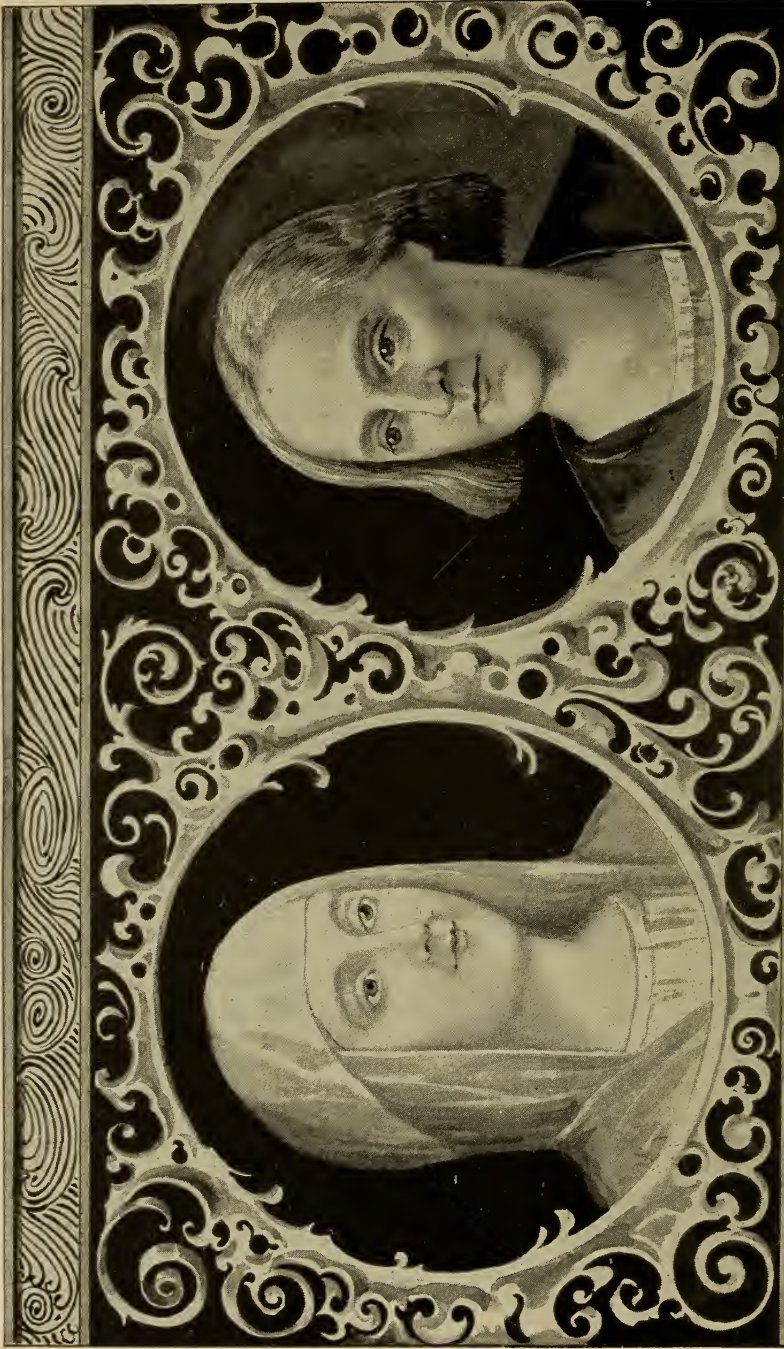
IT is hard to tell which of the nations first found men courageous enough to cross these unknown waters. There are traditions that the Chinese did so, and that these Buddhists wandered down to the California shore and went deep into the country that we now know as Mexico. There are traditions, too, that the Breton fishermen cast their lines upon the Newfoundland coast. It is certainly true that North American Indians have been met with whose languages were mixed with French. The Welshmen also claim that a number of their countrymen came to North America and settled. The traditions concerning this are peculiarly romantic. Two brothers, David and Medoc, quarreled for the throne of Wales. The younger gave up his right, and fitting out a ship sailed west. The next year he returned and said that he had found a fruitful country. He called upon his friends to follow him and filled ten ships with men, women and children. They sailed away and were never heard of again. Reference has been made to them in American writings, wherein they are described as a race of white Indians using many Welsh words and having a manuscript copy of the Bible, in the Welsh language, with them. One reference to them speaks of their living among the upper courses of the Missouri.

But the journeys of the Norsemen to America are well known. These Norsemen were splendid seamen and splendid fighters. They had been all over the known world. They had frightened even the great emperor, Charlemagne, in France, and had put their horses in his palace. Wherever they went they seemed to conquer, until at last they were driven from Scotland. Then, on the melancholy island of Iceland, they made their republic. Two-thirds of the year they lived in twilight. Books were their consolation, the sea their playground. It was no wonder they went this way and that, whenever their fancy prompted and wherever they felt they could fight with weaker men. They discovered Greenland and settled a village there; then in strange, strong, if not fleet ships, went coasting further south. It was Bjarne Herjulfson with his crew who first coasted—driven by adverse winds—along Narragansett Bay, Newfoundland and Nova Scotia. He went back to Iceland with the tales of what he had seen. "What," cried Erik the Red, a wild Norseman who had been banished from his native country for murder, "you saw a new country like that, with green trees and fields, and never put a foot on it?" He talked so much and so long and loud on the subject that his son, Leif Erikson, made up his mind to find out what kind of lands these were which were so much talked about. He bought Bjarne's ship from him, took thirty-five good seamen and went far away to the southwest. They landed in Newfoundland, which they called Helluland, and in Nova Scotia, which they termed Markland. They looked about these countries a little, gave them names, sailed away and were two days at sea before they saw land again. They sailed into a sound, and the grass looked beautiful to these men from a barren country. They found luscious grapes growing wild, grapes from which wine could be made with ease, and a German among them named it Vinland. We have changed the name very little. We call it Martha's Vinyard now. This was in the year 1000. When Leif Erikson reached home, his brother made the complaint that he had brought home much too little news. "You may go in my ship, brother, to Vinland, if you like," said Leif; and thus Thorbald, in the year 1002, went to Vinland and stayed

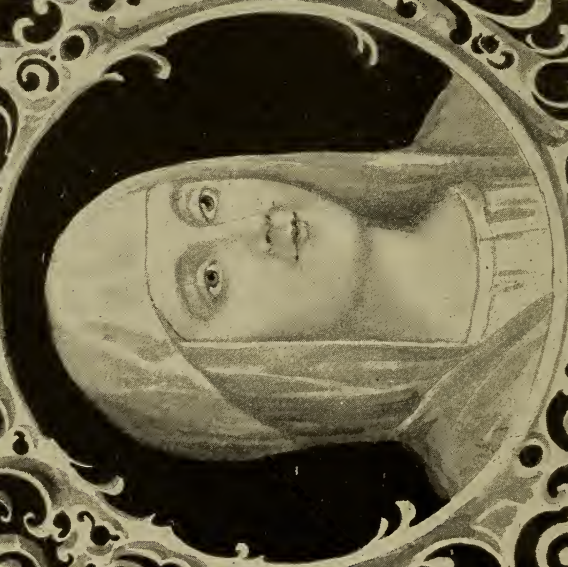
there three years. It is thought that the skeleton, in armor found near Fall River, Mass., in 1831, was that of Thorbald, who was killed by a poisoned arrow from Indians. In 1005, the last son of Erik the Red started to Vinland to recover the body of his brother Thorbald. His ship was blown out of its course and he never reached his destination. Then came Thorfinn Karlsfenn, with his wife, Gudrid, and with them 151 men and seven women. For three years they lived at Vinland and perhaps built the tower that still stands in Newport, and wrote the inscriptions on the blocks near the Taunton river. On account of constant fights with Indians they went back to Iceland. There are stories of other journeys by the Norsemen in the years 1011 and 1121, and accounts of their going as far south on the Atlantic coast as Florida. The tower which stands at Newport, the only substantial monument that the Norsemen left of their visit, is low and round. It has two windows and a fire-place; the cement with which the stones are put together is still strong, and but for the fact that the roof is gone it could hardly be called a ruin. It is covered with ivy now, and serves the purpose of amusing the chance tourist.

According to Moses F. Sweetser, in his "Hand Book of the United States," the name America comes from *amalric*, or *emmerich*, an old German word spread through Europe by the Goths, and softened in Latin to Americus, and in Italian to Amerigo. It was first applied to Brazil. Americus Vespucius, the son of a wealthy Florentine notary, made several voyages to the New World, a few years later than Columbus, and gave spirited accounts of his discoveries. About the year 1507 Hylacomylus, of the college of St. Dié, in the Vosges mountains, brought out a book on cosmography, in which he said: "Now, truly, as these regions are more widely explored, and another fourth part is discovered by Americus Vespucius, I see no reason why it should not be justly called *Amerigen*; that is, the land of Americus, or America, from Americus, its discoverer, a man of subtle intellect." Hylacomylus invented the name America, and, as there was no other title for the New World, this came gradually into use. It does not appear that Vespucius was a party to this almost accidental transaction, which has made him a monument of a hemisphere.

These are firmly established facts which prove that Christopher Columbus was *not* the first discoverer of the New World, yet his claim to the honors of true discovery are practically allowed by all the civilized world. The additional fact that some four centuries intervened from the time of the short sojourn of the Norsemen until Columbus *did* discover this land, is sufficient as the basis for according the credit to the Genoese.



COLUMBUS



ISABELLA

THE LIFE OF COLUMBUS.

Ages unborn shall bless the happy day
When thy bold steamers steer'd the trackless way;
O'er these delightful realms thy sons shall tread,
And following millions trace the path you led.

—Barlow.

CHRISTOPHER COLUMBUS, the true discoverer of this land of the free and home of the brave, was born at Genoa in 1435. He was the eldest son of Dominico Colombo and Suzanna Fontanarossa. His father was a wool-comber and continued in that business in Genoa and Savona with varying success until his means were such as to enable him to send Christopher to the University of Pavia. Christopher devoted himself to the sciences, particularly nautical astronomy, under the instruction of Stefano di Faenza and Antonio da Terzago. After a course at the university he worked for awhile at his father's trade, and at the age of fifteen he became a sailor. According to the crude chapters of his biography written by Hernando, his son, his early life is dubious and conjectural, and little is known of his apprenticeship at sea. These unknown years, however, were certainly stormy and eventful. "Wherever ship has sailed," he has written, "there have I journeyed." Among other places he visited England, "Ultima Thule" (Iceland), the Guinea Coast and the Greek Isles. For some time he was in the service of René of Provence, for whom he intercepted and seized a Venetian galley with much bravery and audacity. Afterward he sailed with Columbo el Mozo, a bold privateer, and a sea fight under command of this sea-captain was the means of bringing him ashore in Portugal. During these years before the mast and in the rigging his mind was not given to the dross of booty so common to the semi-piratical sailor of those days, but instead, he was fired with an ambition of high achievements by reading and meditating on the works of Ptolemy and Marinus, the cosmographia of Cardinal Aliaco, the writings of Pliny and Nearchus and the travels of Marco Polo and Mandeville. He mastered nautical sciences, learned to draw charts and construct spheres, and thus fitted himself to become a practical seaman and navigator. Like Lincoln, he arose from the humblest surroundings and circumstances to the very highest pinnacle of fame, honor and usefulness, by his own indomitable spirit, pluck and God-given qualities, and no fitter illustration of what the youth of this grand and glorious country can gradually attain to under the broad protection of the Stars and Stripes can be found than in the lives of the illustrious names mentioned. What an inspiration to "dare and do" is found in the life of Christopher Columbus! Particularly admirable is his course as a youth and young man. Unaided by wealth or rank, he *forced* his way to an uncommon position among his associates as apprenticed sailor while yet a mere stripling, and thenceforth he "built above the clouds" by a close application to the solid and substantial studies best adapted to aid him in reaching the goal of a worthy ambition.

After being wrecked in a sea-fight, that began off Cape St. Vincent, and escaping to land on a plank, he arrived at Lisbon. In 1470 he married Felipa Moñiz de Perestrello, daughter of Bartolomeu Perestrello, a captain in the service of Prince Henry, called the Navigator, one of the early colonists and the first governor of Porto Santo, an island off Madeira. Columbus visited the island

and employed his time in making maps and charts for a livelihood, while he pored over the logs and papers of his deceased father-in-law and talked with old seamen of their voyages and of the mystery of the Western seas. About this time he arrived at the conclusion that much of the world remained undiscovered and step by step to have conceived the design of reaching Asia by sailing west, which resulted in the discovery of America. It was to this train of thought, which finally came to fruition, that the New World is the grand outcome and that the whole world has congregated amid the arts, sciences and splendor of modern civilization to do homage to the Genoese, and to celebrate, by an exhibition of the handiwork of all mankind, an event second in importance only to the Beginning, when God said: "Let there be light and there was light."

In 1474 we find Columbus expounding his views to Paolo Toscanelli, the Florentine physician and cosmographer, and receiving the heartiest encouragement. His view of reaching Asia by sailing west he supported with three different arguments derived from natural reasons, from the theories of geographers, and from the reports and traditions of mariners. From the colonists on the Azores Columbus heard of two men being washed up at Flores, "very broad-faced and differing in aspect from Christians." The transport of all these objects was attributed to the west winds and not to the gulf stream, the existence of which was then totally unsuspected. In his northern journey some vague and formless traditions may have reached his ear of the voyages of Bjarn and Leaf, and of the pleasant coasts of Helluland, Markland and Vinland, that lay toward the setting sun. All were hints to bid the bold mariner sail westward, and this he at length determined to do.

The co-operation and concurrence of some state or sovereign, however, was necessary for the success of his designs. The senate of Genoa had the honor to receive the first offer and the responsibility of refusing it. Rejected by his native city the projector turned next to John II., of Portugal. This King had already an open field for discovery and enterprise along the African coast; but he listened to Columbus and referred him to the Committee of Council for Geographical Affairs. The council's report was adverse; but the King, who was yet inclined to favor the theory of the Genoese, assented to the suggestion of the Bishop of Ceuta that the plan should be carried out in secret, and without Columbus' knowledge, by means of a caravel or light frigate. The caravel was dispatched, but it returned after a brief absence, the sailors having lost heart and having refused to venture farther. Upon discovering this dishonorable transaction, Columbus felt so outraged and indignant that he sent his brother Bartholomew to England with letters for Henry VII, to whom he had communicated his ideas. He himself left Lisbon for Spain (1484), taking with him his son Diego, the only issue of his marriage with Felipa Moñiz. He departed secretly, presumably to give the slip to King John. In one of his letters Columbus wrote: "When I came from such a great distance to serve these princes, I abandoned a wife and children, whom, for this cause, I never saw again."

The first traces of Columbus at the court of Spain are on May 5, 1487, when an entry in some accounts reads: "Given to-day 3,000 maravedis (about \$18) to Cristobal Colomo, a stranger." March 20, 1488, a letter was sent by the King to "Christopher Colon, our especial friend," inviting him to return to Portugal and assuring him against arrest and proceedings of any kind, but it was then too late.

Columbus then betook himself to the south of Spain and proposed his plan first to the Duke of Medina Sidonia (who was at once attracted by it, but finally threw it up as visionary and impracticable), and next to the Duke of Medina Celi. The latter gave him great encouragement, entertained him for two years and even determined to furnish him with the three or four caravels. Finally, however, being deterred by the consideration that the enterprise was too vast a subject, he turned his guest from the determination he had come to—of making instant application to the court of France—by writing on his behalf to Queen Isabella, and Columbus repaired to the court at Cordova at her bidding. It was

an ill moment for his fortune. Castille and Leon were in the thick of that struggle which resulted in the final defeat of the Moors, and neither Ferdinand nor Isabella had time to listen; but Columbus was kindly received and was handed over to the care of Alonzo de Quintanilla, whom he speedily converted into an enthusiastic supporter of his theory. He made many other friends and here met with Beatrix Enriquez the mother of his second son, Hernando, who was born August 15, 1488.

From Cordova Columbus followed the court to Salamanca, where he was introduced to the notice of Cardinal Pedro Gonzales de Mendoza, dubbed by some historians, "the third King of Spain." The cardinal, while approving the project, thought strongly that it savored of heterodoxy, but an interview with the projector won him over, and through his influence Columbus at last got an audience of the King. The matter was finally referred, however, to Fernando de Talavera, who, in 1487, summoned a junta of astronomers and cosmographers to confer with Columbus and examine his design and the arguments by which he supported it. The Dominicans of San Esteban in Salamanca entertained Columbus during the conference. The jurors, who were most of them ecclesiastics, were by no means unprejudiced, nor were they disposed to abandon their pretensions to knowledge, contrary to the navigator's views, without a struggle. Columbus argued his point, but was overwhelmed with Biblical texts, with quotations from the great divines, with theological objections, and in a short time the junta was adjourned. Señor Rodriguez Panilla, the learned Salamantine writer, holds that the first refusal of Columbus' project was made in the official council at Cordova. In 1489, Columbus, who had been following the court from place to place (billeted in towns as an officer of the King and gratified from time to time with sums of money toward his expenses), was present at the siege of Malaga. In 1490 the junta decided that his project was vain and impracticable, and that it did not become their highnesses to have anything to do with it, and this was confirmed, with some reservation by their highnesses themselves at Seville.

Columbus was now in despair. So reduced in circumstances was he that (according to the eminent Spanish statesman Emilio Castelar) he was jocularly and universally termed "the stranger with the threadbare coat." He at once betook himself to Huelva, where his brother-in-law resided, with the intention of taking ship to France. He halted, however, at Palos, a little maritime town in Andalusia. At the monastery of Santa Maria de la Rábida he knocked and asked for bread and water for his boy Diego, and presently got into conversation with Fray Juan Perez de Marchena, the prior, who invited him to take up his quarters in the monastery, and introduced him to Garci Fernandez, a physician and a student of geography. To these men Columbus propounded his theory and explained his plan. Juan Perez had been the Queen's confessor; he wrote to her and was summoned to her presence, and money was sent to Columbus to bring him once more to the court. He reached Grenada in time to witness the surrender of the city by the Moors, and negotiations were resumed. Columbus believed in his mission and stood out for high terms; he asked the rank of Admiral at once, the vice-royalty of all he should discover, and a tenth of all the gain, by conquest or by trade. These conditions were rejected and the negotiations were again interrupted. An interview with Mendoza followed, but nothing came of it, and in January, 1492, Columbus actually set out for France. At length, however, on the entreaty of Luis de Santangel, receiver of the ecclesiastical revenues of the crown of Aragon, Isabella was induced to determine on the expedition. A messenger was sent after Columbus and overtook him at the bridge of Piños, about two leagues from Granada. He returned to the camp at Santa Fé, and on April 17, 1492, the agreement between him and their Catholic majesties was signed and sealed. This agreement is familiarly known in Spanish history as "The Capitulations of Santa Fé."

His aims were nothing less than the discovery of the marvelous province of Cipango and the conversion to Christianity of the Grand Kahn, to whom he

received a royal and curious blank letter of introduction. The town of Palos was, by forced levy, as a punishment for former rebellion, ordered to find him three caravels, and these were soon placed at his disposal. But no crews could he get together, Columbus even offering to throw open the jails and take all criminals and broken men who would serve on the expedition; and had not Juan Perez succeeded in interesting Martin Alonzo Pinzon and Vicente Yañez Pinzon in the cause, Columbus' departure had been long delayed. At last, however, men, ships and stores were ready. The expedition consisted of the Gallega, rechristened the Santa Maria, a decked ship, with a crew of fifty men, commanded by the Admiral in person; and of two caravels—the Pinta, with thirty men, under Martin Pinzon, and the Niña, with twenty-four men, under his brother, Vicente Yañez Pinzon, afterward (1499) the first to cross the line in the American Atlantic. The adventurers numbered 120 souls, and on Friday, August 3, 1492, at eight in the morning, the little fleet weighed anchor and stood out for the Canary Islands, sailing as it were “into a world unknown—the cornerstone of a nation.”

After a momentous voyage land was sighted Friday, October 12, 1492, and it proved to be the New World. The land sighted was called by the Indians Guanahani, and named by Columbus San Salvador.

The same morning Columbus landed, richly clad, and bearing the royal banner of Spain. He was accompanied by the brothers Pinzon, bearing banners of the Green Cross, a device of his own, and by a part of the crew. When they had all “given thanks to God, kneeling down upon the shore, and kissed the ground with tears of joy for the great mercy received,” the Admiral named the island, and took solemn possession of it for their Catholic majesties of Castille and Leon. Had Columbus kept the course he laid on leaving Ferrol, says Castelar, his landfall would have been in the Florida of to-day, that is, upon the main continent; but owing to the deflection it was his hap to strike an island, very fair to look upon, but small and insignificant when compared with the vast island-world in whose waters he was already sailing.



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OF THE BOARD OF REFERENCE AND CONTROL.

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<i>Virginia.</i> |
| 11. O. V. TOUSLEY,
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| | 13. JNO. T. DICKINSON,
<i>Texas, Secretary.</i> |



GROUP OF WORLD'S COLUMBIAN EXPOSITION MEMBERS OF THE BOARD OF REFERENCE AND CONTROL.

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<i>Chicago.</i> |
| 5. FERDINAND W. PECK,
<i>Chicago.</i> | 6. L. J. GAGE,
<i>Chicago.</i> |
| 7. JNO. J. P. ODELL,
<i>Chicago.</i> | 8. H. O. EDMONDS,
<i>Secretary, Chicago.</i> |

HISTORY OF THE EXPOSITION.

AT least two persons claim to have originated the idea of holding a World's Columbian Exposition in 1892 (postponed to 1893). Mr. Alexander D. Anderson, Secretary of the Board of Trade at Washington, D. C., has a number of friends who stoutly defend the claim that he first foreshadowed the project in an interview in the *New York Herald* in 1884. According to the *Washington Post* of December 30, 1891, Mr. Anderson "spent four years' time and \$33,000" in promoting the movement. That journal states that Mr. Anderson presented the question in detail to the citizens of Washington at a public meeting held on the 25th of February, 1886, when committees were appointed, headquarters opened, and an active and vigorous campaign inaugurated. In April, 1886, the memorial of the committee was presented to the United States Senate by Mr. Gorman, of Maryland, and published in full in the *Congressional Record*, diagrams and all. The next step was the transformation of the local board into a national board of promotion. In response to notices of appointment sent out Mr. Anderson received formal letters of acceptance from the governors of forty states and territories, the mayors of fifty-five leading cities, 176 presidents and secretaries of boards of trade throughout the country, and the officers of thirty state and territorial granges, approving of the movement and pledging their co-operation. In addition to this the leading national conventions held during 1886, 1887 and 1888, such as the National Board of Trade, National Grange, American Bankers' Association, International Medical Congress, etc., adopted strong resolutions in support of the project. On the 16th of June, 1888, Hon. Perry Belmont, of New York, then chairman of the Foreign Affairs Committee, submitted to the House of Representatives, in behalf of the committee, a unanimous report in favor of the project, and designating Washington as the place. This report (No. 2601, Fiftieth Congress, first session) was an elaborate document of fifty-seven pages in print, and contains the correspondence above mentioned with governors, mayors, etc., together with the arguments before the committee. When the Exposition bill came up for debate in the House and Senate, due credit was publicly given in each body for the leading part the city of Washington had played in this patriotic work. In the House on February 21, 1890, Hon. Charles E. Hooker, of Mississippi, said in the course of his remarks (quoted from the *Congressional Record*):

"It is but just to say of these non-represented people of the District of Columbia that it was the people of this District who, long before any place was designated for the site of this Exposition, established a board of promotion and for four years have been earnest advocates of holding this great Fair at the Capital of the Nation. [Applause.]"

In the debate in the Senate, on the 21st of April, 1890, Mr. Gorman, of Maryland, said:

"I introduced the bill in 1886, at the request of gentlemen in this city and the boards of trade of the city of Baltimore and elsewhere. The whole project, however, it is due to say, was gotten up and urged by a gentleman who is now a resident of the city of Washington—Mr. A. D. Anderson."

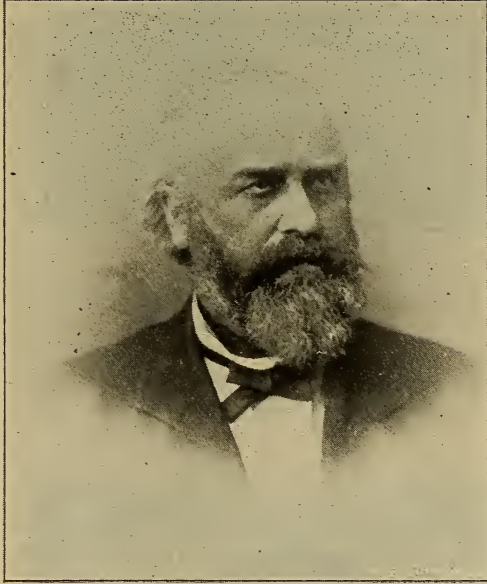
Dr. Charles W. Zaremba, of Chicago, claims that while attending the Centennial Exposition at Philadelphia, on the 9th of September, 1876, he conceived the idea of celebrating the four centenary of America's dis

covery by Columbus by a World's Fair, about which he talked to many of his friends. In June, 1884, he issued a circular, he says, inviting the foreign ministers at Washington to confer about this event in proper form. Many and most flattering were the replies received by Dr. Zaremba, especially from Hussein Tewfik, the Turkish Minister; Dr. Matias Romero, the Mexican Minister; Señor Amaral Valente, Chargé d' Affairs of Brazil; Señor Joaquin Godoy, the Chilian Minister, and others. The same year he had an audience with General Porfirio Diaz, President of Mexico, and his ministers, all expressing their gratitude to Dr. Zaremba for originating the idea and making it known to the representatives of the world. Dr. Zaremba was born July 29, 1842, at Koenigsburg, Prussia, where his father was a petty officer in the Third Regiment of Cuirassiers, and afterward an internal revenue officer at the city of Memel, where Zaremba attended the primary school until 1854, when in October of that year he entered the military school at Potsdam. In 1857, being transferred to the Military Academy, he studied the higher branches in connection with military education and tactics, becoming at the same time personally acquainted with the late Emperor Frederick of Germany. In 1859, he entered the service of the Royal Guard Artillery at Berlin, and within ten months was transferred to the staff of Prince Wilhelm of Baden, who took special interest in him, and secured a special permit for Zaremba to attend the lectures of the Berlin University. In 1862, he went to Moscow, Russia, and while finishing his studies in medicine and philosophy he wrote a manual of military gymnastics for the Russian army. In September, 1865, Zaremba coming with his mother to Chicago went to St. Joseph, Mich. He soon returned to Chicago, however, and practiced his profession as a physician until the great fire. In 1871, he became one of the founders of the Chicago Athenæum. Dr. Zaremba was one of the prime movers in the Interstate and Industrial Exposition in 1872 and 1873. In November, 1878, when the International Commercial Convention assembled at Farwell Hall, Dr. Zaremba was appointed a city delegate by Mayor Heath. In January, 1879, he started with the first Industrial Excursion from Chicago to Mexico, which formed the entering wedge for American trade in that country.

Dr. A. W. Harlan, a dentist of Chicago, first proposed Chicago in print as the location of a Columbian World's Fair. His letter to this effect was printed in the *Chicago Times*, February 16, 1882, and he presented cogent reasons in favor of the plan and location he advocated. This and several succeeding suggestions of a like character slumbered or were really abandoned for lack of support. Later on Mr. Edwin L. Brown made a proposition in the form of a resolution to hold a World's Fair in Chicago, which was adopted by the local Exposition Company. In 1885 Judge Henry M. Shephard instituted a similar movement. The greatest of all Expositions up to that date was then being arranged for in Paris, France, and much interest was manifested in this Exposition by the people of the United States. The success of the Paris Exposition caused a revival of the half-forgotten project of a great Columbian Exposition. The press throughout the United States discussed the propriety of holding such an Exposition. Chicago's public-spirited citizens gave a welcome to the idea, and at once took steps to realize it. The pluck of Chicago's "I Will" at once stamped success on the movement. Prior, however, to the holding of the Paris Exposition, Judge Shephard's activity in formulating plans for a World's Columbian Exposition took shape, and he signed a call for a joint meeting of the Iroquois, Union League, Commercial, University, Illinois, Kenwood and Standard Clubs, to be held in the rooms of the Iroquois Club, July 6, 1888, "to discuss the advisability of holding a World's Fair in Chicago in 1892 (postponed to 1893) and the best means to employ to carry such a project into execution."

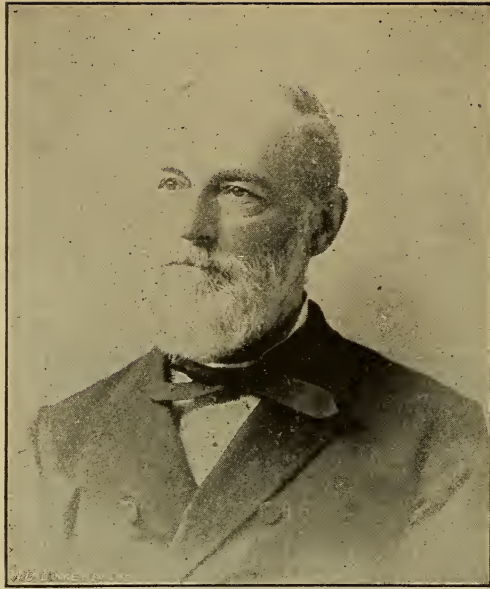
At this meeting the following resolution was adopted:

Resolved, That the representatives of the clubs of Chicago assembled in this meeting form an organization in order to hold a World's Fair in the City of Chicago to commemorate the discovery of America by Columbus four hundred years ago.



CARTER H. HARRISON,

MAYOR OF CHICAGO.



DE WITT C. CREGIER,
EX-MAYOR OF CHICAGO.



HEMPSTEAD WASHBURNE,
EX-MAYOR OF CHICAGO.

A second meeting was held July 13, and a committee was appointed with full power to formulate a detailed plan for such an Exposition; but this movement also proved fruitless. The scheme languished and many of the most enthusiastic lost heart. The proposed organization of the clubs was never formed, and for a year no actual progress was made. Meantime the Paris Fair was in the height of its success, and that triumph no doubt stimulated Chicago to renewed efforts for the accomplishment of a project in which its public-spirited citizens would find a crown to the marvelous work that they had done in transforming in a few years prairies, marshes and huts into the Garden City—a city now universally recognized as one of the greatest in the world, and which has arisen from dire disaster of the most destructive conflagration ever known to the proud position of second city in the United States in point of population, and, unquestionably, to the very front rank in point of pluck, energy, enterprise and success; a city, the possibilities of which, being in a comparative stage of infancy, bid fair to outstrip in the near future, not only the other grand and marvelous cities of the New World, but the very European capitals themselves, in the onward march of progress. Famed for its commerce and manufactures; its shipping; its law and order; its bright, intelligent and hospitable citizens; its churches, schools and university; its progress in the arts and sciences; its health; its bracing and cool summer climate; its grand and marvelous buildings; its railroad facilities; its parks, drives and boulevards; its excellent, economical and extensive hotel, restaurant, café and boarding and lodging accommodations; its handsome temples of amusement; its inviting and remunerative field for capital and labor—all conspired to intensify the feeling that, aside from the patriotic motive of a fitting celebration of the discovery of America, the whole world should have an opportunity of seeing for themselves what Chicago really is, and to make of it the Mecca of civilization at least for this period. Soon every citizen from the highest to the humblest had become an advocate of the enterprise. So strong did this popular movement become that the Mayor of the city and the Common Council gave it formal organization.

July 22, 1889, Mayor Dewitt C. Cregier read the following message to the Council in regular session:

Gentlemen of the Council: It is the desire of the City of Chicago to hold a World's Fair in 1892, and the City Government will do all in its power to realize it. Without any prejudice, it can safely be said that Chicago, of all other cities, is the best place in which to hold a great international Fair and make it a brilliant success. Chicago, indeed, is the city most truly manifesting American life, American ideas and American enterprise. In regard to its location, its railroad and hotel facilities, she has no rival. There is sufficient space inside the city limits for the Exposition. The proverbial enterprise and magnanimity of the citizens of Chicago and their unlimited hospitality, showing itself on every occasion, are a sure guarantee of success. Labor, time or money will not be spared. In the face of the organized efforts of other cities, I suggest that an organization, representing all classes of citizens, be formed to secure this great undertaking for this city.

DEWITT C. CREGIER, Mayor.

The Mayor was authorized to appoint a committee of one hundred citizens to outline the preliminary work necessary to secure the Exposition for Chicago. At a subsequent meeting of the Council the Mayor was given discretion as to the size and composition of the committee, in response to a suggestion by him that the committee be increased to two hundred. He thereupon appointed the following:

Adams, Geo. E.	Ballard, Addison	Blair, William
Adams, J. McG.	Barnum, William H.	Blake, E. N.
Aldrich, J. F.	Bartlett, A. C.	Blatchford, E. W.
Allerton, S. W.	Beck, A. R.	Blodgett, H. W.
Allsworth, J.	Berriorabat, F.	Boerlin, Louis
Altgeld, John P.	Best, William	Boldenweck, William
Anderson, J.	Billings, A. M.	Booth, A.
Anthony, Elliott	Birkhoff, George	Boyesen, I. K.
Armour, P. D.	Bissell, George F.	Bradley, J. Harley
Bajnotti, Paul	Black, John C.	Brand, Rudolph
Baker, Frank	Blackstone, T. B.	Bruwaert, F. E.
Baker, William T.	Blair, Chauncy	Bryan, Thomas B.

- Buehler, John
 Burlley, A. G.
 Cable, R. R.
 Cameron, D. R.
 Carpenter, A. A.
 Carson, John B.
 Cary, Eugene
 Caton, J. D.
 Chase, C. H.
 Chase, Benjamin F.
 Chetlain, A. L.
 Clark, J. B.
 Clark, John E.
 Claussenius, H.
 Clifford, Richard W.
 Collins, Lorin C.
 Colvin, H. D.
 Corbin, H. C.
 Corkery, Daniel
 Counselman, C.
 Cragin, E. F.
 Crane, R. T.
 Crawford, Mark
 Crerar, John
 Crone, Frank E.
 Crook, General John, U. S. A.
 Cudahy, Michael
 Cummings, A.
 Cummings, C. R.
 Davis, George R.
 Dennehy, Charles
 Dexter, Wirt
 Doane, J. W.
 Donnersberger, J.
 Drake, John B.
 Dreier, Emil
 Dreyer, E. S.
 Ducat, A. C.
 Dunham, R. W.
 Dunlap, Geo. L.
 Eames, Henry F.
 Egan, Wiley M.
 English, William S.
 Evans, Clinton B.
 Ewing, William G.
 Fairbank, N. K.
 Fargo, Charles
 Farlin, Henry J.
 Farwell, J. V.
 Farwell, Senator Charles B.
 Feehan, Archbishop Patrick A.
 Field, Marshall
 Fitz Simons, Charles
 Fuller, Mellville W.
 Furber, H. J.
 Gage, Lyman J.
 Garnett, Gwynne
 Gary, Joseph E.
 Gerardin, Victor
 Glenn, T. H.
 Glessner, J. J.
 Goudy, W. C.
 Grammes, J. B.
 Grannis, W. C. D.
 Gregory, S. S.
 Gresham, Walter Q.
 Grinell, Julius S.
 Gross, S. E.
 Halle, E. G.
 Ham, Charles H.
 Hamilton, John M.
 Hankson, Joseph
 Harrison, Carter H.
 Hart, Henry
 Harvey, T. W.
 Hawes, Kirk
 Healy, James T.
 Heath, Monroe
 Henrotin, C.
 Henrotin, C. N.
 Hesing, Washington
 Higgins, Van H.
 Hughitt, Marvin
 Hill, D. K.
 Holmes, C. B.
 Hooley, R. M.
 Horton, O. H.
 Hoyne, F. G.
 Hudson, P. S.
 Hurlbut, Dr. V. L.
 Hurlburt, H. A.
 Hutchinson, C. L.
 Jackson, H. W.
 Jamieson, Egbert
 Jeffrey, E. T.
 Jones, N. S.
 Jones, J. Russell
 Judd, S. Corning
 Keith, E. G.
 Kent, Sidney
 Kerfoot, Wm. D.
 Kern, Charles
 Kimball, C. P.
 Kimball, W.
 King, Henry W.
 King, John A.
 Kinsley, H. M.
 Kiolbassa, Peter
 Kirk, James A.
 Knickerbocker, Joshua
 Koch, C. R. E.
 Kohlsaas, H. H.
 Kohn, H. A.
 Kraus, Adolph
 Laffin, Lycurgus
 Laffin, Matthew
 Lawler, Frank
 Lawson, Victor F.
 Lehman, E. J.
 Leiter, Levi Z.
 Leland, Warren
 Lester, John T.
 Libby, A. A.
 Lieb, Herman
 Lincoln, Robert T.
 Lindblom, Robert
 Longenecker, J. M.
 Lowenthal, Bernhard L.
 Mandel, S.
 Marshall, L. A.
 Mason, Roswell B.
 Mason, William E.
 Matejka, U. V.
 Matson, C. R.
 Mayo, John B.
 McAvoy, John H.
 McCagg, E. B.
 McClurg, A. C.
 McConnell, S. P.
 McFarland, H. J.
 McLaren, Bishop Wm. E.
 McMullen, J. C.
 McNally, Andrew
 McNulta, John T.
 McVeagh, F.
 McVicker, James H.
 Medill, Joseph
 Michaelis, R.
 Moran, Thomas A.
 Morris, Edward N.
 Moses, Adolph
 Munger, A. A.
 Nelson, Murray
 Nettlehorst, L.
 Newberry, Walter C.
 Newell, John
 Nickerson, S. M.
 Nixon, Wm. Penn
 Nordinflgent, F. V.
 O'Neal, John
 Palmer, Potter
 Parmelee, Frank
 Patterson, R. W.
 Pearce, J. Irving
 Peck, Ferd W.
 Phelps, E. M.
 Pike, Eugene S.
 Porter, H. H.
 Potter, O. W.
 • Prendergast, Richard
 Prentice, J. H.
 Pullman, George M.
 Purington, D. V.
 Quan, W. J.
 Raster, Herman
 Rawleigh, J. T.
 Revell, Alexander H.
 Reynolds, J. P.
 Riddle, Francis A.
 Roche, John A.
 Roesing, B.
 Rumsey, J. P.
 Russell, Martin J.
 Ryerson, M., Jr.
 Sadler, J. H.
 Scammon, J. Y.
 Schneider, George
 Schoenhofen, P.
 Schwab, Chas. H.
 Schwartz, Charles
 Scott, Jas. W.
 Scott, Robert
 Seaverns, Geo. A.
 Seeburger, Anthony F.
 Seipp, W. C.
 Senne, H. C.
 Sexton, J. A.
 Sheppard, Henry M.
 Sherman, John B.
 Shorey, Daniel A.
 Shufeldt, H. H.
 Smith, Byron L.
 Smith, John C.
 Smith, R. J.
 Spaulding, Jesse
 Sprague, A. A.
 Stensland, Paul
 Stewart, Graeme
 Stockton, J.
 Stone, R.
 Stone, Henry B.
 Storey, A. C.
 Strong, W. R.
 Studebaker, C.
 Sturges, George
 Sullivan, W. K.

Svanoe, Peter	Vierling, Robert	Wheeler, Hiram
Swift, G. F.	Wahl, Lewis	Wheeler, Harris A.
Taylor, Abner	Walker, Charles	Wheeler, Lloyd G.
Thompson, A. M.	Wallis, W. H.	Whiting, W. C.
Thompson, William	Walsh, James	Williams, Norman
Tichnor, G. H.	Walsh, John R.	Williamson, G. H.
Toby, E. P.	Washburne, Hempstead	Wineman, Max
Tree, Lambert	Waterman, A. M.	Winston, Fred S.
Tuley, Judge Murray F.	Wentworth, M. J.	Wright, A. M.
Turney, V. C.	Wetherell, O. D.	Yerkes, Charles T.
Tuthill, Richard S.	Wheeler, George H.	

With the announcement of this committee enthusiasm for the undertaking increased day by day. Within three days after the committee had been appointed there assembled August 1, 1889, in the Council chamber one of the most representative bodies of citizens ever got together. Mayor Cregier was elected chairman and Thomas O'Neill recording secretary. The Mayor read communications from all parts of the West declaring preference for Chicago as the site for the Fair.

Resolutions were presented by Hon. Thos. B. Bryan, who supported them in a brief address. Mr. Bryan's enthusiasm seemed to be contagious, for the grand undertaking thrived from that moment. To him, perhaps, more than to any one else is the credit of the magnitude of the Exposition due. When other gentlemen lagged in their efforts he spurred them on; when a paltry million or two was suggested as a plethoric purse for carrying out the plans, he it was who, with his keen perception and ripe experience, foresaw the possibilities of an Exposition since realized, and advocated that sextuple such a sum should be raised. No pent up Utica restricted his ideas of an Exposition in keeping with the grandeur of the civilized world, particularly of America and Chicago. Some wise business men and able financiers thought then that his ideas were Utopian, but the culmination has borne him out as correct. The Bryan resolutions were the first official announcement of the Fair telegraphed over the country. The resolutions were as follows:

Resolved, That whereas the recent Centennial celebration in New York received—properly and with Chicago's hearty concurrence—the distinct recognition of Congress and of the chief officers of the government, imparting to it a national character, and a like recognition and substantial aid having been extended to the World's Fair at Philadelphia (also with Chicago's hearty co-operation in and out of Congress), therefore, the West feels justified in insisting upon its turn now, and upon the location of the next great Fair in its commercial metropolis.

Among the reasons in support of that claim, the following are presented:

1. Chicago's Refrigerator, the lake, renders her summer climate more comfortable than that of any other great city for an exhibition at that season.
2. Her exceptional railroad and hotel accommodations insure the comfort and convenience of visitors, however numerous.
3. A limitless supply of water and the immense area of the city are adequate to all the demands of an exposition.
4. Chicago citizens have the money, and the public spirit to advance it freely in a good cause.
5. Whilst New York is nearer to England than to our Pacific coast, Chicago is so centrally located, with her thirty-eight railroads, pointing out in all directions, as to be accessible alike to exhibitors and visitors from every quarter of the globe, and especially to millions in the West, who would be debarred visiting the Fair if held at the seaboard.
6. Foreigners, and, indeed, many of our countrymen at the East, should have the opportunity presented them of seeing for themselves the growing cities of the West, that they may better realize that the discovery of Columbus embraced not merely a narrow strip of territory along one seaboard, but a mighty empire of almost limitless expanse and destiny.
7. What more eligible location can be desired than Chicago, from the fact alone that her marvelous growth, within the memory of the natives, from the frontier camp to the active city of over a million souls, with a corresponding advance in commercial, industrial and intellectual activities, can best typify the giant young nation whose discovery the projected Fair is to commemorate.
8. Men who helped build Chicago want the Fair, and having a just and well sustained claim, they intend to have it.

These resolutions were unanimously adopted and the meeting proceeded to the election of an Executive Committee, of which Mayor Cregier was made chairman. The committee was as follows:

S. W. Allerton, William Penn Nixon, Thomas B. Bryan, DeWitt C. Cregier, Frank Lawler, George M. Pullman, Lambert Tree, Ferd W. Peck, R. W. Patterson, Jr., Otto Young, Andrew McNally, E. Walker, W. J. Onahan, Victor F. Lawson, John B. Carson, F. H. Head, Joseph W. Fifer, E. T. Jeffrey, J. C. McAdams, E. F. Cullerton, Abner Taylor, Charles B. Farwell, J. Irving Pearce, Charles H. Schwab, H. N. Higinbotham, R. A. Keyes, R. A. Waller, L. D. Thoman, Jesse Spaulding, F. S. Winston, S. S. Gregory, George M. Bogue, R. Prendergast, E. St. John, Solomon Thatcher, Jr., George E. Adams, Arthur Dixon, John McGillen, E. F. Cragin, William E. Mason, Charles L. Hutchinson, W. C. Seipp, Lyman J. Gage, Robert Lindblom, John R. Walsh, J. W. Scott, George R. Davis, John O'Neill, W. D. Kerfoot, M. M. Kirkman, S. M. Cullom, Joseph Medill.

A sub-committee of the Executive Committee, consisting of William Penn Nixon, Chairman; E. F. Cragin, Secretary; E. T. Jeffrey, Robert Lindblom, General J. B. Carson, Andrew McNally, Thomas B. Bryan, W. J. Onahan and Charles H. Schwab, was appointed to name the sub-committees necessary to do the preliminary work. This committee met on Saturday, August 3, when it was decided that ten sub-committees would be needed to attend to the work. They were on Finance; on Preliminary Expenses; on Congressional Action; on National Cooperation; on Press; on Addresses and Local Agitation; on Addresses, Information and National Agitation; on Railroads and Transportation; on Hotels and Accommodations. Lyman J. Gage was made chairman of the Committee of Finance, with Charles L. Hutchinson, James W. Scott, Jesse Spaulding, J. Irving Pearce, W. C. Seipp and John B. Carson as the members.

Chairman Gage in looking about for a suitable man to take general charge of the two hundred committees or more that were created to solicit subscriptions from the various trades and branches of business, appointed D. H. Lamberson Superintendent of the Stock Subscriptions, and he was requested to call upon the Finance Committee for such assistance as he might require in the discharge of his duties.

The Finance Committee was thus organized with authority to collect a fund which should be sufficient to cover all expenses and increase the fund whenever necessary, in order that the right of a corporation under the laws of the State might be acquired, and to assume the title, "The World's Exposition of 1892" (subsequently changed by the incorporated title, "The World's Columbian Exposition"). A guarantee fund was subscribed and the Finance Committee organized as a corporation with full power to act.

On September 19, 1889, at a meeting of the chairmen of the sub-committees reports were submitted which showed as subscribed and pledged the sum of \$2,541,810. Early in October a special Sub-Finance Committee was appointed with Mr. Otto Young as chairman thereof, to specially push, in connection with the bureau presided over by Mr. Lamberson, the work of subscriptions. Early in April, 1890, when by the joint efforts of all parties concerned, the subscriptions to the capital stock had realized the magnificent sum of \$5,000,000. Mr. Lyman J. Gage, Chairman of the Finance Committee, wrote to Superintendent Lamberson, expressing his satisfaction with the work Mr. Lamberson had performed in connection therewith.

The committee was materially assisted by numerous committees among every class of citizens, who formed for the purpose of raising funds for the Exposition. Merchants, capitalists, mechanics and workingmen willingly gave time and money to aid in the work all doing their share to promote the claim of Chicago as the site of the Exposition, a claim which soon became known to the world. Offices were rented in the building of the Adams Express Company, and the Committee on Organization went to work with energy. At a meeting held August 9, 1889, Attorneys Burnham & Gookin submitted a detailed plan for a "World's Fair" to be held in Chicago on the Lake Front. Thomas B. Bryan, Chairman of the Agitation Committee, called attention to the



DIRECTORS WORLD'S COLUMBIAN EXPOSITION.

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| 1. LYMAN J. GAGE. | 2. HARLOW N. HIGINBOTHAM. | 3. FREDERICK S. WINSTON. |
| 4. FERDINAND W. PECK. | 5. GEORGE R. DAVIS. | 6. CHARLES H. WACKER. |
| 7. THOMAS B. BRYAN. | 8. EDWARD B. BUTLER. | 9. JOHN J. P. ODELL. |
| 10. WILLIAM T. BAKER. | 11. GEORGE SCHNEIDER. | 12. CHARLES HENROTIN. |
| 13. ROBERT A. WALLER. | 14. ALEXANDER H. REVELL. | 15. EDWIN WALKER. |

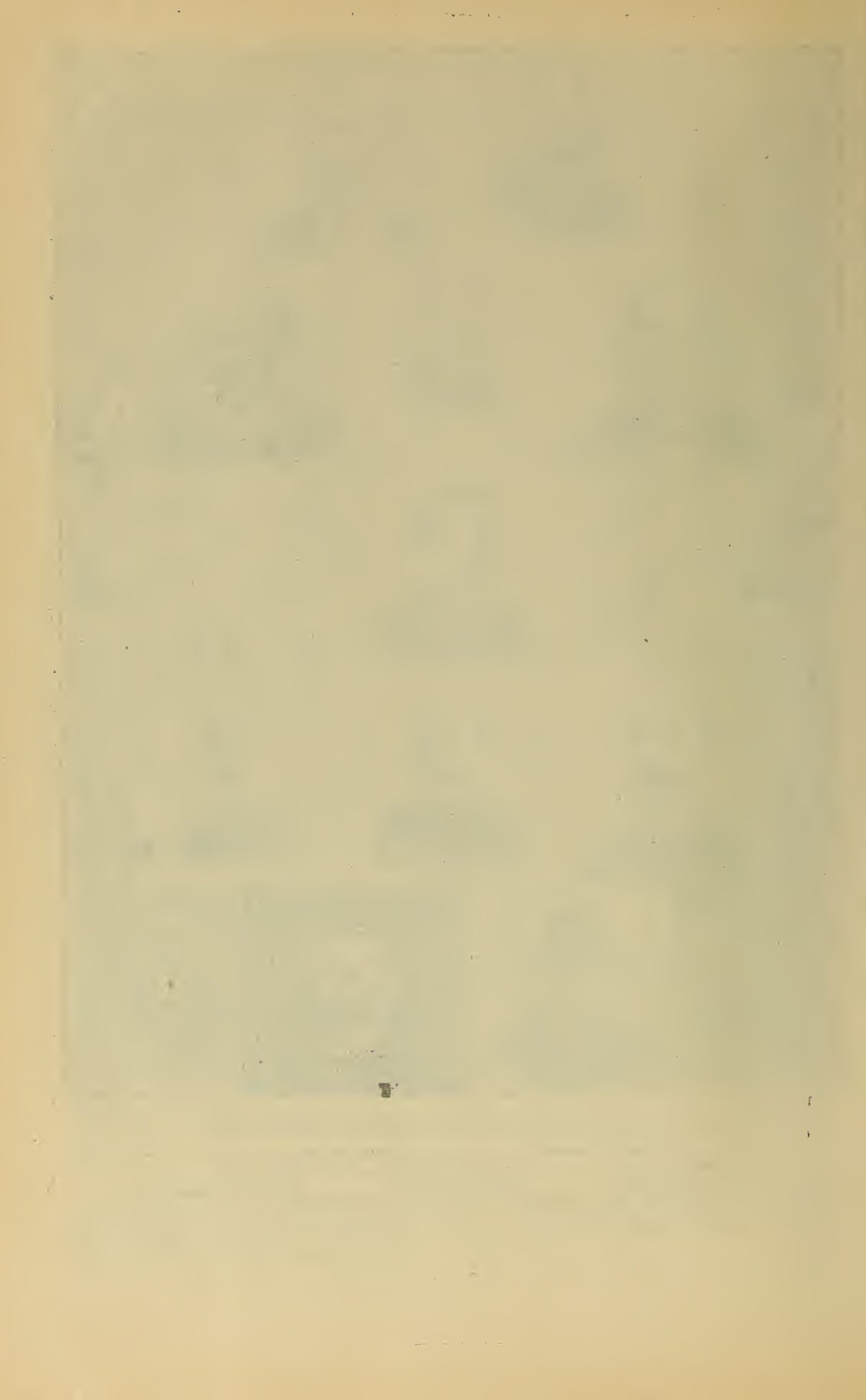
August 16th a request was published in the local newspapers asking all women who wished to help Chicago attain its object to attend a meeting at the office of Dr. Fanny Dickinson, at No. 70 Lake street. A number of prominent ladies met and formed an organization called the "Queen Isabella Association." Further action was taken at a meeting October 25th, at Central Music Hall, at which it was resolved that Chicago must obtain the World's Fair. From this time on all classes of citizens acted throughout as if the prize were already within her grasp. Mr. E. T. Jeffrey was sent as a representative to Paris to collect material from the Paris Exhibition. On his return he published a detailed account of the Paris Exhibition, its organization, and a history of World's Fairs held in the past. The ambition was thus inspired to hold an Exposition that would surpass the one held in Paris.

About this time there was much competition among several cities of the United States for the prize which Congress would bestow in naming the location of the Exposition. New York was the first outside city to take definite steps to capture the much coveted prize. July 17, 1889, the mayor of that city issued invitations to five hundred prominent citizens, requesting their attendance at a meeting to determine the popular sentiment of that city as to the advisability of holding an Exposition to commemorate the four hundredth anniversary of the discovery of America by Columbus, and the availability of New York as a proper site of such an Exposition. The New York Chamber of Commerce took up the matter in a spirit which seemed to bode ill for the prospects of Chicago. The press of New York ridiculed the idea that such an Exposition could be held any where else, and least of all in a city a thousand miles inland. For a time the candidacy of St. Louis was pushed with considerable energy. Upon the invitation of the mayor a large number of business and professional men assembled August 11, 1889, and unanimously decided to compete for the prize, and this committee performed its work faithfully up to the day Congress rendered its decision. Washington was also a dangerous rival of Chicago. On September 30th, an open letter appeared in the daily press of that city in which the writer openly declared that Washington would be able to take the prize from Chicago with ease. It was expected that in the event of a contest between the other cities all would agree upon the capital as a compromise. St. Paul entered the fight October 1, 1889, the Board of Trade assuming charge of the city's interests, while her sister city, Minneapolis, pursued a similar course. Meantime numerous bills relative to the Exposition had been introduced in the House of Representatives of Congress. On December 19, 1889, Senator Cullom of Illinois introduced a bill entitled "An Act to provide for the holding of a World's Exposition of the arts and industries in commemoration of the four hundredth anniversary of the discovery of America." The bill provided that thirty days after its adoption the President should appoint exposition commissioners nominated by the governors of the different States and Territories; that the governor of the State chosen as the site of the Exposition, should, with the assistance of the mayor of the city, nominate one hundred commissioners from among the subscribers to the stock of the Exposition company, to be formed for the purpose of promoting the Exposition project, upon the express condition that the State raise a reserve fund of \$5,000,000 in cash or equivalent bonds; that the President should also appoint eight commissioners-at-large as representatives of the Federal government, and one from the District of Columbia; that the Commission so formed should be officially entitled "The United States Columbian Commission," and that the body should meet in the capital city on call of the Secretary of State, and receive subscriptions to the reserve fund to the amount of fifteen million dollars, each share to be limited to \$10. It was further provided that so soon as the bill should have received the executive sanction, the President should make proclamation of the location selected for holding the Exposition, and inviting the nations of the world to participate. A similar bill was brought in the House of Representatives.



GROUP DIRECTORS WORLD'S COLUMBIAN EXPOSITION.

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| 1. VICTOR LAWSON. | 2. ANDREW McNALLY. |
| 3. OTTO YOUNG. | 4. C. L. HUTCHINSON. |
| | 5. J. W. SCOTT. |
| 7. G. H. WHEELER. | 6. CHAS. T. YERKES. |
| | 8. JOHN C. WELLING. |
| 10. C. H. G. BILLINGS. | 9. MARK L. CRAWFORD. |
| | 11. J. W. ELLSWORTH. |



On the 21st of December Senator Vest offered an amendment to the Senate bill, directing that the Exposition be held in the city of St. Louis. At this stage of proceedings the entire subject was referred to an appropriate committee, and pending the final action of Congress determining the site, the rival cities occupied themselves in pressing their claims upon the senators and members of the House. During the month of January, 1890, the Senate committee on the Exposition heard arguments from delegates representing the contestants. At the first meeting of the committee were present: Senators Hiscock, Chairman; Sherman, Hawley, Wilson, of Iowa; Stanford, Eustis, Farwell, Kenna and Gray. It was decided to hear the advocates of Chicago on January 9th; of Washington City on the 10th; of New York on the 11th; and to require counter arguments to be submitted in writing only.

Governor Francis, of Missouri, opened the discussion in favor of St. Louis, and was followed by Hon. Charles H. Jones, of the St. Louis *Republic*, in an eloquent address which forcibly presented the advantages offered by that city. Ex-Governor Stannard also spoke in the same behalf. At the close of the evening the committee resolved to pass Washington for the present, and to devote an entire session to an audience of the delegations from Chicago and New York. Meanwhile, contrary to all expectation, the House Committee on Foreign Affairs decided to proceed without delay to consideration of the several bills concerning the Exposition. This action was regarded as favorable to the hopes of Chicago, and the advocates of other locations united in a strenuous effort to overcome this advantage. Mr. Flower, a representative, now Governor of New York, solicited the Speaker of the House to call together the Committee on Rules in order that a special committee might be appointed to take charge of the disputed subject; but his efforts at this time were futile.

On the 10th of January New York appeared on the scene with a formidable array of talent and influence, gathered from every class and profession, party and sect of her population. Headed by Mayor Grant came a long procession of names famous in the field and on the forum, in finance and in commerce. William C. Whitney, arm-in-arm with Ex-Senator Warner Miller, Burke Cochran and Elliott F. Shephard, Huntington and Inman, all fired with the common purpose of achieving honor for their great metropolis. On the same day the entire delegation from Chicago arrived in Washington, a goodly representation, led by Mayor Cregier and Senator Farwell; and Greek met Greek before the Senate committee on the morning of January 11th, the citizens of Washington having urged the fitness of the National Capital on the preceding day. The discussion was opened by Chauncey M. Depew, and his cause was pleaded with all those arts of oratory for which he is justly famous. Winning the assent of all auditors to his delarations that for the glory of the country this Exposition must be made to excel any ever attempted, Mr. Depew passed easily to the point in controversy. "As," he said "the proper location for a World's Fair in France was Paris, in Italy, Rome, London in England, Berlin in Germany, so the only site to which the United States could appropriately invite a Congress of the Nations was the American metropolis, the center of trade and capital, and the gateway of commerce." The speaker also dwelt upon the immense sum of money that would be requisite to guarantee the success of so great an enterprise, and insisted that New York alone possessed the wealth to furnish it. "Washington," said he "has the finest thoroughfares and most magnificent public buildings in the world; St. Louis the privilege of age and an unrivaled situation in the Valley of the Mississippi; Chicago could boast a development not equaled in the pages of ancient or modern history; but New York remained supreme and unquestioned the representative city of America." Appeals of a like nature were felicitously made by Messrs. Cochran and Miller.

Present on behalf of Chicago in addition to the gentlemen already named, were George R. Davis, Thomas B. Bryan, Adlai E. Stevenson, E. F. Cragin, Walter C. Newberry, John C. Black, E. T. Jeffrey, Frederick S. Winston and

others of like character and standing. Upon Mayor Cregier devolved the duty of opening the case for Chicago, and it was impressively and vigorously discharged. "We are here," he said "as citizens of our common country to represent a great city of the West. Its inhabitants are impressed with the opinion that the Exposition projected in honor of that intrepid voyager, Christopher Columbus, should be held in that section. I represent to a certain extent the people of Chicago, who, while ardently desiring that the World's Fair should be held in their city, share the wish and determination of other communities, and of all true American citizens, that, wherever the wisdom of Congress shall locate the Exposition, nothing shall be omitted to make the occasion worthy of the strength, the wealth, the culture, and the patriotism of this great government. In any case Chicago will contribute her full share that this country may appear before the nations in a manner to sustain and increase her renown. I am here to reciprocate the expressions of genuine brotherhood which it has been our pleasure to hear this morning. There is no rivalry but that of friendship between New York, the capital of America, and Chicago, the metropolis of the great West. In New York my eyes first opened upon the light of the world. It is the brilliant star of this continent, the flower of our civilization. Ever since we became a people New York has been the gate through which we sought communication with the outside world. But now there exists a new country on the other side of the Alleghanies, where powerful commonwealths have arisen, where population has multiplied, where the ground gives forth its increase a hundred-fold; and of that bountiful domain, Chicago is the Queen" His Honor proceeded by statistics and illustration to demonstrate how capable Chicago was to meet every requirement to be imposed upon the site of the Exposition, and closed amid the plaudits of friends and opponents alike. Hon. Thomas B. Bryan then offered a most practical and cogent argument from Chicago's point of view, and was succeeded by Mr. E. T. Jeffrey, who was also happy and effective in his line of remark. Here, for the present, the case before the Senate tribunal rested.

On January 16th the Committee on Rules reported to the House of Representatives a resolution requiring the speaker to appoint a committee of thirteen, to which should be referred all bills and resolutions concerning the Exposition, and which should report to the House a plan for selecting a site. Mr. Cannon, of Illinois, moved that the choice of location be lodged with the Committee on Foreign Affairs, and that the committee be instructed to first determine whether the Exposition should be held east or west of the Alleghany mountains before agreeing upon any city as the site. Mr. Hite, of Illinois, supported this motion. He said the Committee on Foreign Affairs, of which he was chairman, ought not to be slighted in the manner proposed by the Committee on Rules; that it already had charge of the bills referred to and had given the subject careful consideration. Other members participated in the debate, but no conclusion was arrived at. On the following day, January 17th, the House, by a majority of five votes, adopted a resolution authorizing the speaker to constitute a committee of nine "to have charge of all bills in relation to a celebration of the four hundredth anniversary of the discovery of America." The following were appointed: Messrs. Candler, of Massachusetts, Chairman; Hite and Springer, of Illinois; Belden and Flower, of New York; Frank and Hatch, of Missouri; Bowden, of Virginia, and Wilson, of West Virginia. This committee held its first session on January 21st, and after a spirited discussion, on motion of Mr. Frank, a subcommittee was appointed, consisting of Messrs. Candler, Hite and Flower to report on the following Thursday on the question of site. The committee also decided not to hear any argument concerning the location of the Exposition.

With little delay the preliminary skirmishes in committee were concluded, and the battle royal began with Mr. Candler's call for the order of the day, on a bright morning when the floor and galleries were crowded. To follow the debate would consume more space than can be allotted to this branch of the record. But it is necessary to recall that there was a firm, though ineffectual opposition,

led by Mr. Mills, of Texas, to the project of holding an Exposition. However, on the 23d day of February, Mr. Candler concluded the discussion, and an agreement had been reached that the vote should be taken on the ensuing day. The House was packed to suffocation with the eager champions for the competing cities, and the passages to the halls were blocked with persons anxious for early news of the result of the long struggle. The question being on filling the blank in the bill with the name of the city in which the Exposition should be held, the House had agreed that a majority of all the votes cast would be required to determine the victor.

On the first roll call (Mr. Candler not voting), the number of votes was announced as 305, making 153 necessary to a choice. Of these Chicago secured 115; New York, 70; St. Louis, 61; Washington, 58; Cumberland Gap, 1. No choice, and it was evident that the situation would narrow down to a trial of strength between Chicago and New York. The excitement grew intense as the ballots proceeded as follows:

Second—Chicago, 121; New York, 83; St. Louis, 59; Washington, 46. Total, 309. Necessary to a choice, 155.

Third—Chicago, 127; New York, 92; St. Louis, 53; Washington, 34. Total, 306. Necessary to a choice, 154.

Fourth—Chicago, 134; New York, 95; St. Louis, 48; Washington, 29. Total, 306. Necessary to a choice, 154.

Fifth—Chicago, 140; New York, 110; St. Louis, 38; Washington, 4. Total, 312. Necessary to a choice, 157.

At this stage there was some anxiety among the Chicago members as to the result of the next roll call; for New York on the last had gained 15 votes, while her own forces had been increased by six. These fears were groundless, however, as the sixth ballot carried their total up 149, while New York only received 116. The managers for the latter city now sought to gain time to strengthen their lines, and moved an adjournment. The answer was a chorus of derisive cheers from the Westerners, who now had victory in open sight. The motion was defeated, yeas, 138; nays, 174, a test which plainly indicated the coming event. Nor did the New Yorkers interpose any further attempt at delay, and the clerk proceeded for the seventh time to call the roll, and still no election, though Mr. Reyburn, of Pennsylvania, left New York to swell the Chicago column, and she lacked now only two votes to consummate the triumph. Then amid breathless attention the last vote was taken.

Eighth—Chicago, 157; New York, 107; St. Louis, 25; Washington, 18. Total, 307. Necessary to a choice, 154.

The long agony was over, and the crown of selection had fallen upon the brow of Chicago.

The week succeeding the action of Congress fixing the location of the World's Fair was one of universal rejoicing in Chicago, upon which the eyes of the whole world seemed suddenly turned. Congratulations poured in from all directions. Even St. Louis and New York joined cordially the ranks of Chicago's well-wishers. The newspapers of these two cities found ready explanations of the result. The *Globe-Democrat* declared that bad management had ruined the chances of St. Louis, while the *Herald* placed the blame for New York's discomfiture on the shoulders of Senator Platt, and assured him that it would find an opportunity to "get even." The reception given the Chicago delegates on their return from Washington amply repaid them for the wear and tear of the contest. They were met at South Chicago by a special train carrying a load of welcoming citizens, headed by the mayor and aldermen, and escorted to the city in triumph. At the depot the delegation and their escort were met by a multitude of cheering citizens, who joined in the procession that wended through the crowded streets past the newspaper offices to the Council Chamber in the City Hall, where the delegates were to receive official public recognition of their services and their success. The hall was crowded to its doors. The welcome address delivered by

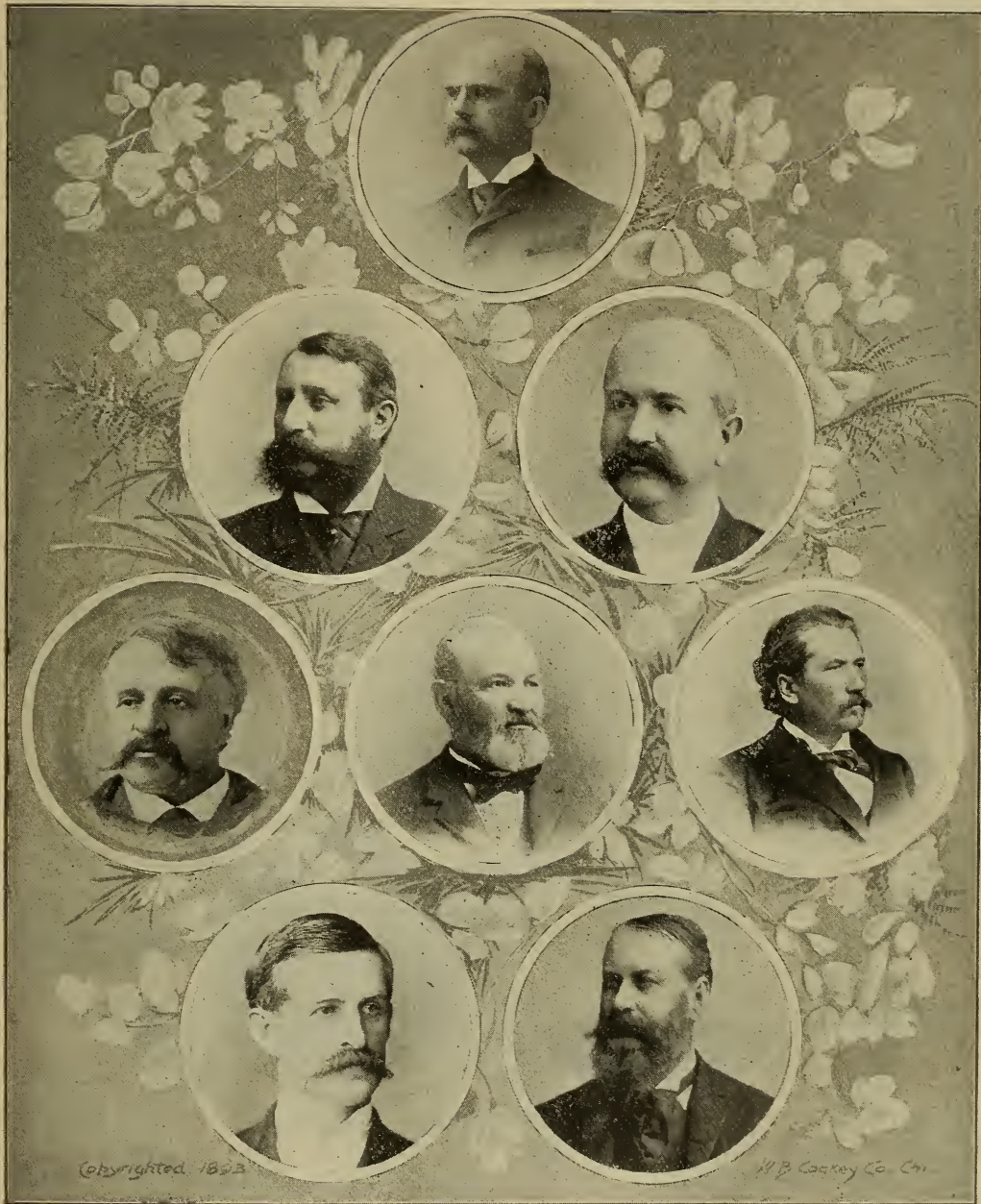
James W. Scott, who presided, was followed by such loud and persistent cries for "Cregier," that the mayor arose and briefly recounted the difficulties which the delegates had met and overcome. Senator Farwell, Thomas B. Bryan and others spoke of what the citizens of Chicago were undertaking in accepting the responsibility so valiantly striven for. A discussion followed, which resulted in the appointment of Messrs. Gage, Young, Walker and Bryan as members of a committee charged with the duty of protecting Chicago's interests before the special committee in charge of the World's Fair bill.

On March 6th this committee was granted a hearing, Mr. Candler, chairman of the special committee, presiding. Mr. Gage and his colleagues were able to convince the committee that the \$5,250,000 already subscribed by the people of Chicago, was the equivalent of cash, and the amount could be readily doubled if the exigencies of the case were found to require it. And having submitted an amendment to the bill in accordance with their instructions, the committee returned to Chicago.

March 19th Mr. Candler, on behalf of the special committee, read to the House a report, of which the substance is given here:

"By order of Congress the city of Chicago has been chosen for the location of the World's Fair, and your committee has accordingly inserted in the body of the bill the name of that city. The bill as presented differs in many essential particulars from that first reported and referred back to the committee. Two commissioners are assigned to the Territories instead of one, and eight additional representatives from the country at large are provided for. The national body so formed has been given the title of 'The World's Exposition Commission.' It is also provided that this commission shall accept the World's Fair buildings, if they conform to the objects and uses had in view. The original bill contained a provision that a minimum of five millions of dollars must be subscribed by persons in good financial standing, and at least 10 *per centum* of that amount be paid in, before the commission shall be authorized to perform any official function. The bill, as now worded, is even more cautiously worded, and demands that the Exposition company shall at any time, when necessary for the completion of the work, provide that sum. The committee has carefully examined the subscription list sent in by the Chicago Committee on Finance, and concludes that the subscriptions have been made by reliable and competent persons, and will be paid. * * * The committee therefore deems it a duty to recommend that the World's Fair be held in Chicago. * * * The sixth chapter does not appear in the original bill. It defines the duties and powers of the commission, and empowers it to assign space to exhibitors, to select the judges for the distribution of awards, and their assistants, and conduct all negotiations with representatives of foreign nations. The second chapter empowers the Exposition company of 1892 to change or modify the plans, with the consent of the commission, to fix the fee for entrance, and to formulate rules regarding the rights and interests of exhibitors and the public. The eighth chapter provides for the dedication of the buildings of the World's Columbian Exposition on April 30, 1892. In regard to the time of the celebration of the Fair there was a difference of opinion, each member of the committee reserving the right to cast his vote for such date as may seem advisable after mature deliberation. Chapter nine provides that the President shall have ample proof of the contribution of ten millions of dollars to the stock of the company before he shall issue his proclamation of invitation to foreign countries. Chapter sixteen limits the expenditure of government buildings at the World's Fair to \$400,000. Chapter seventeen restricts all expenditures of public moneys in this connection to \$1,500,000. Chapter eighteen appropriates money for maintenance of the National Commissioners while on duty, and for the payment of salaries and other administration expenses, subject to the approval of the Secretary of the Treasury."

Mr. Hatch, of Missouri, offered a minority report, calling for better evidence than had been furnished that a sufficiency of money had been subscribed by Chi-



COMMISSIONERS-AT-LARGE, WORLD'S COLUMBIAN COMMISSION.

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| | 1. A G. BULLOCK,
<i>Massachusetts.</i> | 3. P. A. B. WIDENER,
<i>Pennsylvania.</i> |
| 2. GORTON W. ALLEN,
<i>New York.</i> | 5. R. W. FURNAS,
<i>Nebraska.</i> | 6. PATRICK WALSH,
<i>Georgia.</i> |
| 4. THOS. W. PALMER,
<i>Michigan.</i> | 7. HENRY EXALL,
<i>Texas.</i> | 8. MARK L. McDONALD,
<i>California.</i> |

cutive Committee which had prepared in advance a ticket of forty directors to be voted for. About noon the assemblage was called to order by Mayor Cregier, who, on motion of Mr. James W. Scott, was made permanent chairman. Mr. Scott was elected secretary on motion of Mr. Robert Lindblom. The chairman in an opening address, said that the proposed list of directors had been made out in order to facilitate proceedings, and not to forestall the wishes of the subscribers; that the candidates submitted were men of approved capacity and character, worthy to be organizers and managers of the great undertaking now in hand; however, that every share-holder was at liberty to vote for the person of his choice, whether his name was included on the submitted list or not. Mr. A. F. Hatch, attorney for the incorporators, explained the usual parliamentary method of procedure by such bodies. Mr. Carter Harrison offered a resolution, on which he spoke at length, providing for an increase in the number of Directors from forty to seventy-five, in order to afford adequate representation to the West Side, constituting more than one-half of Chicago's population. It was not necessary, he said, to exclude any of the persons already nominated, but thirty more could be added in order to appease the dissatisfaction of the smaller stockholders, and to equalize representation from all sections of the city. Mr. Hesing warmly indorsed this motion, and urged that the proposed manner of conducting the election was unjust and impolitic. The enterprise was one in which the honor and interests of the entire community were involved, and to support which every class of the population was to be taxed. It was not right that an insignificant number of subscribers, representing a capital of four millions of dollars, should dictate a plan of operation to twenty-eight thousand other stockholders. Chicago, continued the speaker, is a cosmopolitan city, made up of the people of all known nationalities, representing all pursuits and every station of life. In the conduct of the Exposition, which was a public enterprise and could only be successful by being popularized, all the varied interests at risk could not be properly protected by the forty gentlemen so carefully selected by one element of the meeting. He pointed out that in the ticket as formulated the South Side had twenty-six candidates, the West Side with its preponderance of population, ten only, while the North Side was granted four; that the four hundred thousand German citizens were recognized by the selection of but two of their number, the numerous Irishmen were given but one, while the Scandinavians, Bohemians, French, Poles, Italians, had been neglected entirely. And yet, he said, all those had struggled earnestly for the location of the Fair in Chicago, and had aided the fund by their contributions. Mr. Hesing insisted on this view of the case with frequent manifestations of approval from the audience, and he was supported by Messrs. Voeke, Mitchell and others. Mr. Harrison also indulged in a spirited protest against the programme as announced. Mr. Thomas B. Bryan restored temporary harmony to the meeting, which had grown tumultuous, by exclaiming, "Let us have peace;" and by observing that "only the enemies of Chicago could derive any satisfaction from strife between the stockholders." But he sustained the view that a majority of the stock must determine all contested questions. It was proper that the men who had furnished the great bulk of the money should have the controlling voice in its disbursements. No one had ever heard of the affairs of a corporation being conducted on any other theory. At the conclusion of Mr. Bryan's remarks, Mr. Hesing assented to a request by Mr. Harrison, and withdrew his appeal to the assembly. A vote was taken on the original proposition of Mr. Lawson that forty-five directors should be chosen. The total votes cast were 300,789 shares; of which 246,444 favored that plan of organization, and 64,385 favored an increase of representation.

Attempts were now made to postpone the election, and to submit one hundred and fifty names to the stockholders, from which the selection of forty should be made—but all were voted down. Nominations were declared in order, and were made to the number of one hundred and fifty. Among the names proposed were those of Charles Henrotin, Washington Hesing, Warren Leland, C.



HON. LYMAN J. GAGE,

FIRST PRESIDENT WORLD'S COLUMBIAN EXPOSITION.

T. Yerkes; but they declined to be candidates. The roll call was ordered to proceed, and while the vote was being taken, various routine business was transacted, and a telegram was ordered to be sent to the United States Senate urging prompt action on the Exposition bill. At 4:15 p. m. the voting came to an end, but it was midnight before the tellers and judges completed the count, and announced the composition of the directory as subjoined:

Owen F. Aldis, Samuel W. Allerton, W. T. Baker, Thomas B. Bryan, B. B. Butler, Mark L. Crawford, W. H. Colvin, D. C. Cregier, George R. Davis, J. W. Ellsworth, J. V. Farwell, Jr., Stuyvesant Fish, L. J. Gage, H. N. Higinbotham, C. L. Hutchinson, E. T. Jeffrey, E. G. Keith, R. A. Keyes, M. M. Kirkman, H. H. Kohlsaas, E. L. Lawrence, T. J. Lefens, Andrew McNally, Joseph Medill, A. Nathan, Robert Nelson, J. J. P. Odel, Potter Palmer, J. C. Peasley, F. W. Peck, E. M. Phelps, E. S. Pike, M. A. Ryerson, Charles H. Schwab, A. F. Seeberger, W. E. Strong, C. H. Wacker, R. A. Waller, Edwin Walker, John R. Walsh, C. C. Wheeler, F. S. Winston, C. T. Yerkes, Otto Young, Cyrus McCormick.

April 10th Mr. Hatch, attorney for the incorporators, obtained from the Secretary of State a certificate of charter of the Exposition company, and this document was registered in the office of the recorder in Chicago. The paper, containing the names of twenty-eight thousand stockholders, was one of the most voluminous ever filed in that office, and the fee for registration amounted to \$195.00.

April 12th the first meeting of the Board of Directors was held at the Sherman House, and a temporary organization was effected by the election of Mr. Edward Walker as chairman. On the 20th steps were taken by the board to inaugurate efforts for increasing the capital stock to ten millions of dollars, a necessity which had already become manifest. By this time the intelligence was communicated from Washington that President Harrison had signed the Exposition bill as passed by both houses of Congress; and on April 28th the Provisional Committee, having completed the great preliminary work entrusted to their execution, held their last meeting, and prepared to give an account of their stewardship. Treasurer Onahan submitted his balance sheet, and Messrs. Cregier, R. A. Keyes and L. J. Gage were directed to report to the Directors of the Exposition and transfer to their body the papers and other property of the committee together with all moneys on hand; the directory to assume all outstanding indebtedness of the retiring authorities, and the latter to be relieved of all further obligation as to the two and a-half per cent. which had been raised on the original subscriptions. So terminated a chapter in the history of the Fair, which reflected credit on all who were concerned in it.

On April 30th the directors met and proceeded to the election of permanent officers. Mr. Lyman J. Gage was by acclamation chosen to be president.

[Lyman J. Gage, who was president of the World's Columbian Exposition in its formation period, has a national reputation as a banker and financier. Immediately on the organization of the company all eyes turned to Mr. Gage as the man of all others to create public confidence and to give guarantee of the good faith and strength of resolution with which the people of Chicago had pledged themselves to capitalize and maintain the Exposition. His name was a tower of strength in attracting financial aid to the scheme, and the results of his labors are notably apparent in the preliminary steps which made the Exposition possible. His will, energy, and indeed his presence, seemed to be everywhere in the early days of the enterprise, whether in enlisting the support of capitalists, in satisfying the skepticism of the timid, in overcoming the opposition of rival cities, in meeting the objections raised by Congress, in composing the local jealousies, in exhorting the State Legislature and City Council to a liberality worthy of the occasion, in procurement of suitable grounds for exhibition purposes, or in creating a broad, generous and comprehensive plan for the reception and entertainment of the nations. When he laid down the responsibilities of the office, it is no disparagement to his successors to say that during his administration the foundations of success were laid deep and broad, and that the Exposition owes an immeasurable debt to its first president. Born in 1836, Mr. Gage has had an opportunity to witness the various events and calamities of the nation, and he has been a keen observer. Having been a resident of Chicago since 1855, he is familiar with the financial growth and history of this far-famed city, at the same time he has been one of the recognized leaders in the profession of banking. Before he was elected president of the First National Bank, his present position, he served eleven years as cashier in the Merchants' Loan and Trust Company's bank.

This long experience, together with his natural talent, has eminently fitted him for the management of the second largest banking institution in the world. When Mr. Gage resigned his position as president of the World's Fair Directory, he was presented with a book designed especially for him. It is illuminated throughout in the style of the ancient prayer-books. It has fine hand-paintings of the Exposition buildings, and allegorical representations of the different industries. The motto opposite his portrait is:

"Honor and fame from no conditions rise;
Act well thy part, there all the honor lies."

The title page is announced as follows: "Testimonial and resolutions unanimously adopted by the Board of Directors of the World's Columbian Exposition on the retirement of its president, Lyman J. Gage."

With like unanimity Messrs. Thomas B. Bryan and Potter Palmer were elected first and second vice-presidents respectively. President Gage accepted the presidency in appropriate language, pointing out the magnitude of the task before the board, pledging his every effort to the enterprise, and urging harmony and co-operation upon his colleagues. On motion of Mr. Schwab a committee, consisting of Messrs. Palmer, Medill and Strong, was ordered to report at the next meeting on the question of salaries and other details.

May 7, 1890, the work of organization was mapped out. The books of the temporary treasurer, W. J. Onahan, were reported to be correct, and a resolution of thanks was tendered him. Mr. Palmer's committee reported and its recommendations were sustained. A. F. Seeberger was chosen treasurer, and W. H. Ackerman, auditor. On motion of Mayor Cregier a call was authorized of \$1.80 upon each share of stock, payable on the 1st Monday in July. Mr. Bryan secured the adoption of a resolution providing for a general meeting of the stockholders on July 12, 1890, to consider the following proposals and recommendations of the directory.

1. To increase the capital stock to ten millions of dollars.
2. To change the name of the company to the World's Columbian Exposition.
3. To adopt by-laws and approve the intermediate action of the directors.

After providing for a Committee on Ways and Means, to consist of thirteen members, and instructing the secretary to offer at the next meeting a design for the Corporate Seal, the standing committees were announced.

The Executive Committee was to be composed of the president, the two vice-presidents and the chairman of each committee.

At this juncture the advisability of securing the co-operation of the State of Illinois became apparent; in fact certain legislation was essential to the provision of a suitable site. On May 23d the directory adopted resolutions submitted by the Finance Committee as follows:

To request Governor Fifer to call a special session of the General Assembly of the State of Illinois previous to July, 1890, to decide the following questions:

1. To bring in a bill for the taking of a popular vote upon a proposition so to amend the Constitution of the State as to allow the City of Chicago to emit bonds to the amount of five millions of dollars, to be used for the purpose of the World's Fair.

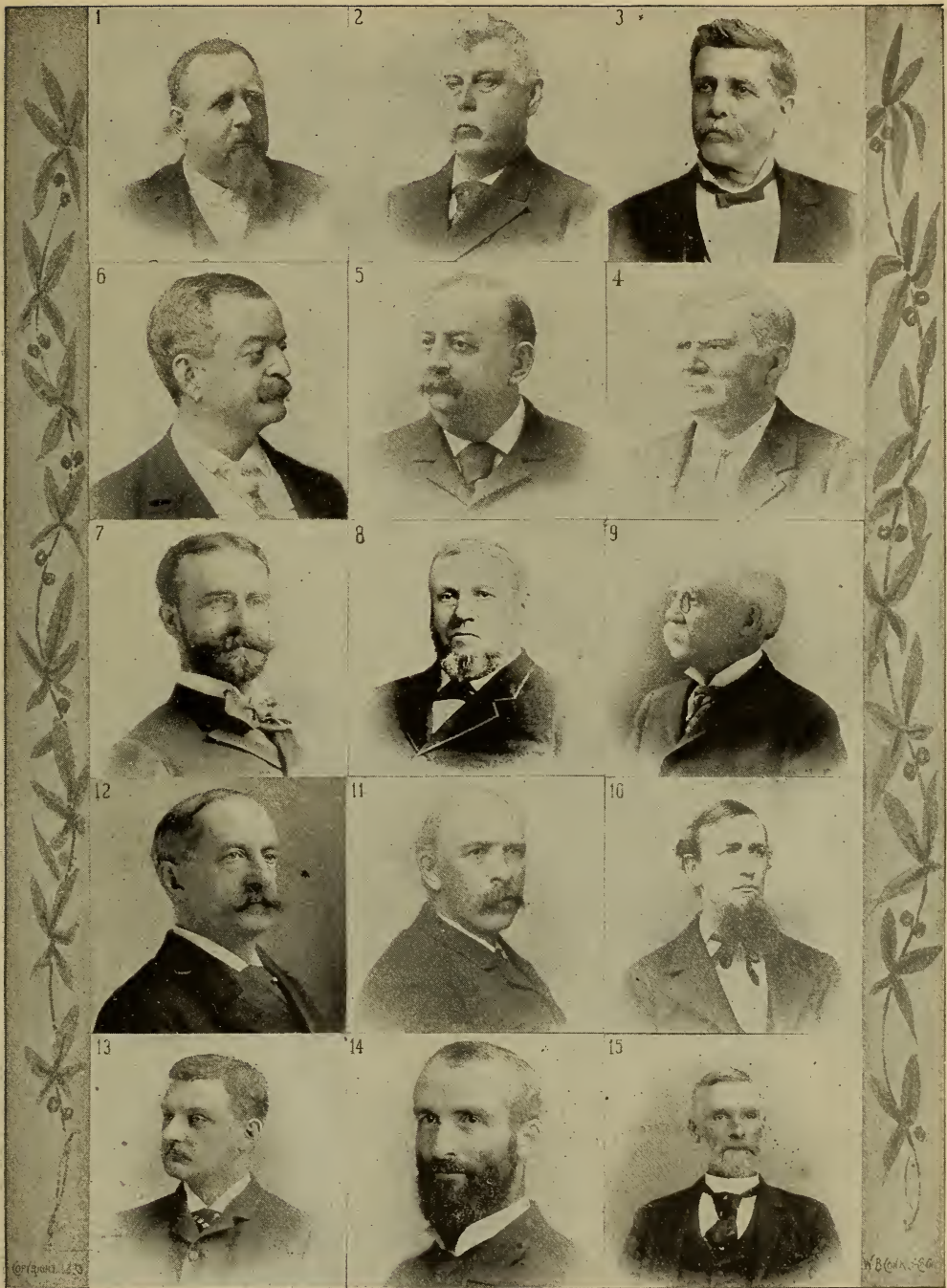
2. To adopt a law authorizing the use for Exposition purposes of either of the public places under control of South, West or North Boards of Park Commissioners in Chicago, and empowering said Boards to issue bonds to cover the expense of beautifying said parks, respectively—this enactment to contain also such regulations as might be deemed necessary concerning the use of the Lake Front.

3. To take the necessary measures and grant the necessary means for a State exhibit at the Exposition.

June 9th, the city council, in response to an urgent appeal from Mayor Cregier, supplemented the above by the subjoined preamble and enactment:

WHEREAS. The City of Chicago has pledged herself, by her citizens, to the Congress of the United States to take care of the holding of an International Exposition; and whereas it is appropriate that the city (in its corporate capacity) should aid in this grand enterprise financially and otherwise, and insure its success; and whereas the city possesses now no fund applicable to the object in view, therefore,

Resolved, That the bonded debt of the city must be increased in order to provide the necessary aid for this project; and be it further.

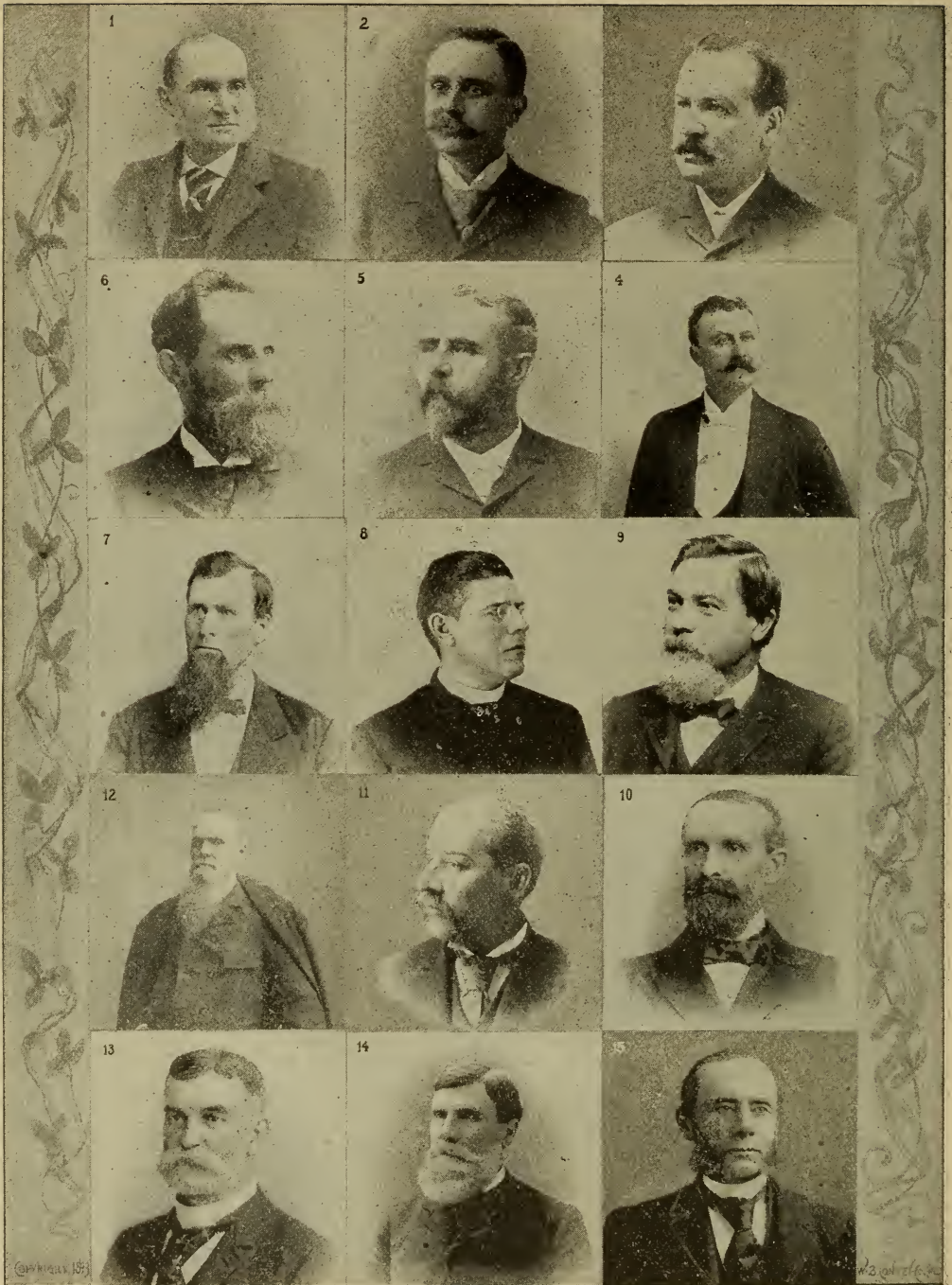


COMMISSIONERS WORLD'S COLUMBIAN COMMISSION.

- 1. PATRICK H. LANNAN,
Utah.
- 6. CHARLES H. DEERE,
Illinois.
- 7. ADLAI T. EWING,
Chicago.
- 12. LYMAN B. GOFF,
Rhode Island.
- 13. GARDINER C. SIMS,
Rhode Island.

- 2. J. T. W. TILLER,
Arkansas.
- 5. ALBERT A. WILSON,
District Columbia.
- 8. THOS. E. GARVIN,
Indiana.
- 11. CHAS. D. MCDUFFEE,
New Hampshire.
- 14. PHILLIP ALLEN, JR.,
Wisconsin.

- 3. J. H. CLENDENING,
Arkansas.
- 4. A. T. BRITTON,
District Columbia.
- 9. ELIJAH B. MARTINDALE,
Indiana.
- 10. WALTER AIKEN,
New Hampshire.
- 15. JOHN N. COBURN,
Wisconsin.



COMMISSIONERS WORLD'S COLUMBIAN COMMISSION.

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| 1. FREDERICK G. BROMBERG,
<i>Alabama.</i> | 2. OSCAR R. HUNDLEY,
<i>Alabama.</i> | 3. MICHAEL H. DE YOUNG,
<i>California.</i> |
| 6. RICHARD TURNBULL,
<i>Florida.</i> | 5. C. F. A. BIELBY,
<i>Florida.</i> | 4. WM. FORSYTH,
<i>California.</i> |
| 7. GEORGE A. MANNING,
<i>Idaho.</i> | 8. JOHN E. STEARNS,
<i>Idaho.</i> | 9. JOSEPH EIBOECK,
<i>Iowa.</i> |
| 12. JAS. A. MCKENZIE,
<i>Kentucky.</i> | 11. JNO. BENNETT,
<i>Kentucky.</i> | 10. WM. F. KING,
<i>Iowa.</i> |
| 13. DAVIDSON B. PENN,
<i>Louisiana.</i> | 14. THOS. J. WOODWARD,
<i>Louisiana.</i> | 15. AUGUSTUS R. BIXBY,
<i>Maine.</i> |

Resolved, That this Council respectfully requests the Governor of the State of Illinois to convene an extra session of the Legislature, and to set forth in his message as the main object of such session an amendment to the constitution granting to the city of Chicago authority to increase the bonded debt by the sum of five millions of dollars for the purpose set forth above.

On the 10th of June a delegation of directors proceeded to Springfield under leadership of Vice-President Bryan, to confer with the governor, and received prompt and cordial assurance of his co-operation to the ends desired. Accordingly, on the 13th, that official gave out the proclamation and call. The document covered the ground suggested by the directors and the city council in their resolutions, and fixed Wednesday, July 23d, as the date of the special session.

The governor's proclamation was in exact accordance with the resolutions given above, and he gave the full weight of his official influence to the measures proposed; but the Legislature did not at once pass the enabling acts, requiring further information on many of the subjects involved, particularly as to the status of the Lake Front.

Up to the meeting of the stockholders held at Battery "D" in 1890, the entire structure rested on the charter from the State of Illinois, in which Hon. DeWitt C. Cregier, Messrs. Ferd. W. Peck, George Schneider, Anthony F. Seeberger, William C. Seipp, John R. Walsh and Nelson Blake were named as the incorporators. The enterprise then attracted recognition by the Federal Government.

On the 26th of May, 1890, President Harrison, in obedience to the Act of Congress, appointed members of the National Commission on nominations made by the Governors of the several States and Territories, and the commissioners-at-large authorized by law. On the 5th of June, Hon. James G. Blaine, Secretary of State, issued a circular letter, convening the first session of the Commission at the Grand Pacific Hotel in Chicago, on the 25th of the same month.

On the 26th of June, Commissioner A. T. Ewing of Illinois, took the seat reserved for the presiding officer in the parlor of the Grand Pacific Hotel and rapped for silence with a stroke of the gavel. Mr. Ewing said:

GENTLEMEN OF THE COMMISSION: I am directed by the Department of State to call this meeting to order, which I now do in the name of the United States. I bid you welcome to Chicago, and am sure that wisdom and unity of purpose will mark your deliberations.

A prayer for Divine blessing on the assembly was offered by Rev. John Barrows.

Hon. John T. Harris, of Virginia, was elected temporary chairman, and R. R. Pierce, temporary secretary.

On motion of Commissioner McKenzie, of Kentucky, amended by Mr. Waller, of Connecticut, a committee of twelve was ordered to be appointed by the chairman, to report the offices necessary to be filled to constitute a permanent organization. During a lull in the proceedings, but while the subject of an election of officers was under informal discussion, Mr. Thatcher, of New York, read a telegram from the Hon. C. M. Depew, in which that gentleman requested that "his name should not be used in connection with the presidency of the Commission, as he was about to undertake an extended trip to Europe, etc." Pending a report from the Committee on Permanent Organization, the meeting adjourned until the following day.

During the evening the commissioners were tendered a reception and banquet at the Palmer House by the Directory, the entertainment being under the management of a committee, consisting of Messrs. T. B. Paine, L. D. Thoman, C. F. Cregier, George H. Parker and H. Sheldon. During the festivities which ensued, Judge Thoman presided. On his right was seated Chief-Justice Fuller, of the Supreme Court of the United States; on his left, Bishop Fallows. Next to Judge Fuller, Hon. John T. Harris, of Virginia, sat, and in adjoining seats of honor were gathered Lyman J. Gage, Judge Gresham, Messrs. Cregier, Ewing, Bryan, Peck, and many other notabilities. The addresses delivered after the banquet were remarkable for the unanimity of sentiment which characterized them. Every

utterance bespoke the determination which pervaded all minds, to labor diligently and with singleness of purpose for the common cause.

When the commissioners re-assembled, pursuant to adjournment, on June 27th, Mr. McKenzie, from the Committee on Permanent Organization, submitted a partial report which was unanimously adopted; and which provided for the election of a president, five vice-presidents, and a secretary; the first vice-president to be of opposite politics to the president, and the other four to be equally divided in politics. Nominations being called for, the office of president was filled by the unanimous election of Hon. Thos. W. Palmer, of Michigan, who was escorted to the chair and accepted his high duties in the following language:

GENTLEMEN OF THE COMMISSION: I am profoundly grateful for the compliment that you have paid me; and yet, in accepting the compliment, I am infused with a feeling of trepidation as to what it involves. Men, as a rule, shrink from the trials of the unknown, and that general clause in the definition of the duties of the president, seems to me to involve much more than we would suppose at a first glance. It places a great deal upon the president; and it may take a great deal away from him. In either case, he proposes not to complain. I have heard it said that when the throes of birth were not severe in the delivery of a child, the child was liable to be of little worth thereafter. On that account I regard my election by acclamation as a poor augury for my future. If there had been a little more of a struggle, it might have given me a greater experience of the peril, of the hardship of my next few years. In regard to that distinguished man whose name has been proposed in connection with the presidency—that admirable Crichton of America, that man who is always first in finance, at the social board, on the rostrum, or in business life—I would say that if he could have been induced to accept the position, I believe it would have given us greater prestige abroad and at home. I telegraphed to him that it had been suggested to me that if he were willing to become a candidate, I would decline to have my name presented; but the circumstances were such that Mr. Depew felt that he could not give it the time, and, therefore, I became a willing sacrifice.

The Chair now awaits the pleasure of the Commission.

[Thomas Wetherill Palmer comes of a sturdy stock, his ancestors on both sides having been among the early settlers of the continent which Columbus opened up to civilization. His mother's people were Rhode Islanders, in direct descent from Roger Williams; and her father, a native of Massachusetts, and one of those who fought with Warren at Bunker Hill, was after the Revolution appointed by President Jefferson to a federal judgeship in the Territory of Michigan, and held court in the wilderness while yet Tecumseh was a living terror to the land. Thomas, the father of President Palmer, had birth in the State of Connecticut, but was a pioneer in the settlement of the Northwest, and the year 1809 found him already on the frontier line, conducting a lucrative trade with the Indians at the post of Detroit, where twenty-one years later, June 25, 1830, the subject of our sketch was born. The younger Palmer literally grew with the country, and by the time that his manhood approached Territories had become States, forests had given way to cities, society had taken root in the land of the savage, and the spire of the church and belfry of the school were rising from the bosom of the prairies. He enjoyed the benefit of an excellent scholastic education, was assiduous in his studies, passed through the course at St. Clair College, and took his degree of graduation at the University of Michigan. Some months were then passed in foreign travel, and while abroad he made a pedestrian tour of Spain and acquired such familiarity with the language and the people of the country as was afterward to serve a valuable purpose to his own government. Returning to this country Mr. Palmer entered upon mercantile pursuits, was for some time engaged in business in Wisconsin, and subsequently conducted large enterprises in Detroit, where he now resides. His success as a merchant was the result of diligence and probity which also secured the esteem of his fellow citizens. Later on in life Mr. Palmer became an active participant in politics, acquiring large influence, and filling many positions of trust with honor to himself and to the satisfaction to his constituents. He was a member of the Board of Estimates of the State of Michigan, and later served in the Legislature for several terms as a member of the Upper House. Bringing to each and every station an enlightened intelligence and strong sense of duty, he was now chosen as one of Michigan's representatives in the Senate of the United States, occupying this high position for the full term of six years. In 1887 Senator Palmer was chosen president of the Water-ways Convention, held in Sault Saint Marie under the auspices of the Duluth Chamber of Commerce, and in that relation rendered valuable assistance to the cause of inter-lake navigation. In 1889 he was appointed by President Harrison, minister plenipotentiary and envoy extraordinary to the court of Spain.]

Mr. Massey, of Delaware, offered the following resolution, which was unanimously adopted:

Resolved, That the Committee on Permanent Organization be instructed and directed to consider the matter of the several vice-presidents and other officers designated by their report just presented, and make recommendation to the Commission of suitable nominees for the same; and before determining upon their recommendation, that they shall sit for two hours to hear the individual views and preferences of such members of the Commission as may desire to address them in that behalf.



HON. THOMAS W. PALMER,
PRESIDENT WORLD'S COLUMBIAN COMMISSION.

On motion of Mr. Kerens, of Missouri, the Commission proceeded to the election of a permanent Secretary.

Mr. Skiff, of Colorado, presented the name of Mr. John T. Dickinson, of Texas, which was seconded by Mr. Rucker, of North Dakota.

Mr. Dickinson was unanimously elected secretary.

On taking his place at the secretary's desk, Mr. Dickinson made the following remarks:

GENTLEMEN OF THE WORLD'S COLUMBIAN COMMISSION: Permit me to express to you my sincere gratitude for the high compliment you have paid me, and through me the State of Texas, which I have the honor, in part, to represent in this Commission, by electing me as your secretary. I fully realize the magnitude of the enterprize which we are about to inaugurate, and if I did not conscientiously believe that I could successfully perform the duties of secretary of the World's Columbian Commission, with credit to myself and to my State, and ultimately, I trust, to the satisfaction of this Commission, I would not have been a candidate for the honor. Having had considerable practical experience as secretary and general manager of fairs and expositions, I shall enter upon the discharge of the duties of this important office, feeling always the responsibility of the position, and with the assurance of your confidence and support, I will endeavor to bring all the fidelity, intelligence, zeal and industry I may possess toward the satisfactory performance of the varied and exacting duties that belong, both directly and indirectly, to the office of the secretary of the World's Columbian Commission. Again thanking you for the honor conferred upon me, I will now proceed to enter upon the discharge of the duties of the office. [Applause.]

[John Thilman Dickinson was born in Houston, Texas, June 18, 1858, descended from a sturdy line of ancestors, who, on many a hard fought field, poured out their lives amid the fires of martyrdom. Scotch history is permeated with the name of Dickinson, and always in connection with deeds of valor and honor. Early an orphan, Col. Dickinson was educated liberally at home and abroad, and graduating in several of the Academic schools of the University of Virginia, in June, 1879, received the diploma of Bachelor-of-Law from that venerable institution. Returning to Texas he became one of the owners and the editor of the Houston *Telegraph*, and entered at once and actively upon public life. In January, 1881, while on a visit to Austin, the capital of the State, he was elected secretary of the House of Representatives of the Texas Legislature, and in May, 1882, was elected secretary of the Texas State Capitol Board for supervising the construction of the largest State House in the Union and probably the largest red granite building in the world. During this time he was also elected secretary of the State Penitentiary Board, and several other State boards, and filled these positions under three governors, Hon. O. M. Roberts, Hon. John Ireland, and Hon. L. S. Ross, and also served on the staff of Governor Ireland with the rank of colonel. In 1888 Col. Dickinson was elected general manager of the International Fair Association of San Antonio, and conducted the organization and preparation of the Texas-Mexican Exposition which was successfully held in that city in November of the same year. This was regarded by the people as the best arranged and most attractive exposition of the products and resources of Texas and Mexico that had ever been held in the State. He remained in San Antonio as secretary and general manager of this Exposition Association until he visited Chicago at the time this city entered the contest for the location of the World's Fair. His services were immediately engaged and he was sent to interview members of Congress in several States in behalf of Chicago; he met the Chicago committee in Washington in December, 1889, and remained with them until Chicago was victorious in the contest. When the bill had passed, creating the World's Columbian Exposition, and providing for two commissioners from each State, Colonel Dickinson was appointed by General L. S. Ross, Governor of Texas as the Democratic commissioner to represent that State.]

On motion of Mr. Widener the following resolution was adopted.

Resolved, That a committee of seven be appointed to communicate with the local directors of the World's Columbian Exposition of Chicago, and notify them that this Commission is now permanently organized and prepared to receive any communications they may have to submit.

The next day, June 28th, the organization was further perfected by election of the following vice-presidents, from first to fifth, in the order in which they are named: Thomas M. Waller, Connecticut; M. H. DeYoung, California; Davidson B. Penn, Louisiana; G. W. Allen, New York; Alex. B. Andrews, North Carolina. The next step taken was to appoint a committee, consisting of Commissioners Smalley, Kerens, Bromberg, Thatcher, Widener and Sewell, instructed by resolution to investigate and report upon the following lines of inquiry: Whether the World's Columbian Exposition had secured the legally prescribed amount of subscriptions to the capital stock; whether, in fact, the tenth part, or 10 *per centum* of such subscription had been paid in by the shareholders; and whether the corporation had instituted proper measures to obtain subscriptions

to an additional amount of five millions as contemplated by the Act of Congress.

After this the Commission met daily and were engaged in mapping out the details of a complete legislative and executive organization. During these sittings the following resolution was adopted:

Resolved, That this Commission is satisfied that the World's Columbian Exposition of Chicago has an actual, bona fide, and valid subscription to its capital stock which will secure the payment of at least five million dollars, of which not less than five hundred thousand dollars has been paid in, and that the further sum of five million dollars, making in all ten million dollars, will be provided by said corporation in ample time for its needful use during the prosecution of the work for the complete preparation of said Exposition.

On the 3d of July an adjournment was had to October 8, 1890, unless sooner called together by the president.

The second session of the Commission convened September 15, 1890, in answer to the call of President Palmer. Reports were received from the various committees appointed at the July session, and were ordered to be printed for future consideration.

In the discussion of a site for the Exposition, the Lake Front figured prominently as one of the projects, and for a while its acceptance seemed probable, but July 2, 1890, the Commission formally accepted Jackson Park and Midway Plaisance as the site, the Committee on Titles and Facilities of Transportation having given the matter careful attention. That committee reported that "so far as the title to Jackson Park and the Midway Plaisance (embracing 633 acres) is concerned, they believe it is vested in the World's Columbian Exposition, by the Act of the General Assembly of the State of Illinois passed at its recent session, and by ordinance of the South Park Commissioners, and is such a title as confers the right to use these parks as a site for the World's Columbian Exposition during the period required."

In October, 1890, the Committee on Grounds and Buildings appointed Mr. D. H. Burnham as chief of construction, and on December 8, 1890, the consulting architects, the consulting landscape architects and the consulting engineer formed a consulting board under the chairmanship of the chief of construction. Late in November, 1890, the consulting board, under its instructions, entered upon the duty of devising a general plan for the Exposition, taking as a basis for the study of the problem the classified list of exhibits which had been prepared by a committee charged with that duty. The list, together with such advice received directly from the committee, dictated the number and the size of the buildings which would be required to meet the intention of the Act of Congress. The larger part of the site to be dealt with was a swampy, sandy flat, liable at times to be submerged by the lake. Other parts were low ridges, which had originally been sand bars thrown up by the lake. Upon some of these ridges there were trees, most of them oaks, of stunted habit because of the sterile and water-soaked soil in which they had grown, and the extreme exposure to frigid winds from the lake; to which they had been subject to a late period every spring. The idea was that there should be a system of navigable water-ways, to be made by dredging-boats working inward from the lake through the lowest parts of the site, the earth lifted by the boats to be so deposited as to add to the area, and increase the elevation of the higher parts, which would thus become better adapted to pleasure-ground purposes, and to be used as the sites for the buildings of the Exposition.

The plot contemplated the following as leading features of design: That there should be a great architectural court with a body of water therein; that this court should serve as a suitably dignified and impressive entrance hall to the Exposition and that visitors arriving by train or by boat should all pass through it, that there should be a formal canal leading northward from this court to a series of broader waters of a lagoon character, by which nearly the entire site would be penetrated, so that the principal Exposition buildings would each have a water, as well as a land frontage, and would be approachable by



HON. W. T. BAKER,
EX-PRESIDENT OF THE WORLD'S COLUMBIAN COMMISSION.

boats; that near the middle of this lagoon system there should be an island, about fifteen acres in area, in which there would be abounding clusters of the largest trees growing upon the site; that this island should be free from conspicuous buildings and that it should have a generally secluded, natural, sylvan aspect, the existing clusters of trees serving as centers for such broad and simple larger masses of foliage as it would be practicable to establish in a year's time by plantations of young trees and bushes. Because the water in the lagoons would be subject to considerable fluctuations, it was proposed that its shores should be occupied by a selection of such aquatic plants as would endure submergence and yet survive an occasional withdrawal of water from their roots.

Time pressing, the plot, with a brief written specification, was submitted to the corporation, and, after due consideration, on the 1st of December, 1890, was adopted as the plan of the Exposition. Shortly afterward this action was approved by the World's Columbian Commission, and an order given to proceed with the execution of the design. The plot presented no studies of buildings other than the outlines of the space to be occupied by those, ten in number, which had been contemplated in the instructions received by the Consulting Board from the Committee on Classifications. More than two hundred buildings of varying dimensions have since been introduced, and the process of adjustment by which sites were formed for these, without material departures from the primary motives of the general plan has required the constant exercise, upon the part of those charged with this duty, of much ingenuity and discretion. The next step was the selection of architects to design the buildings, and the committee authorized Mr. Burnham to select five architects outside of the city of Chicago to design the five principal buildings around the court. Later Mr. Burnham was authorized to appoint five architects from Chicago to design the remaining buildings which had been determined on. The committee determined, however, to select an architect for the Woman's Building by competition, to be confined strictly to women. By March 1, 1891, the chief of construction having apportioned the work among the architects, was enabled to form an estimate of the work to be done by his department. Roughly speaking, it consisted of reclaiming nearly seven hundred acres of ground, only a small portion of which was improved, the remainder being in a state of nature, and covered with water and wild-oak ridges, and in twenty months converting it from a sedgy waste by the borders of an inland sea, into a site suitable in substance and decoration for an exposition of the industries and the entertainment by the republic of representatives of all the nations of the world. On its stately terraces a dozen palaces were to be built—all of great extent and highest architectural importance—these to be supplemented by hundreds of other structures, some of which were to be almost the size of the Exposition buildings themselves; great canals, basins, lagoons, and islands were to be formed; extensive docks, bridges, and towers to be constructed. The standard of the entire work was to be kept up to a degree of excellence which should place it upon a level with the monuments of other ages. It meant, in short, that an organization must be quickly formed which should associate the ablest architects, landscape designers, painters, sculptors, and engineers of the country. By the summer, all of the ten buildings first designed were under contract. From that time on, the work of designing and of construction was carried forward most urgently by day and by night, and all arrangements of the construction department were completed and in readiness for the opening.

In October, 1892, the title of Director of Works was conferred on Mr. Burnham with enlarged duties and powers added to those already exercised by the chief of construction.

Early in the first session the Commission had decided to elect the director-general upon nomination of the directors of the Exposition, and during successive meetings, up to September 19th, the duties and powers of that office were the subject of legislation. On that day President Palmer, as chairman of the Executive

Committee, presented the recommendation by the latter body, for the selection of Colonel George R. Davis; and therewith forwarded communications from the Executive Committee of the directory:

CHICAGO, September 18, 1890.

Hon. THOS. W. PALMER, Chairman Executive Committee, World's Columbian Commission:

DEAR SIR: Acting under the courteous invitation extended by your committee to this board to express its preference in favor of one of the several candidates whose names are before you for appointment as director-general of your commission, the subject-matter of your invitation was submitted to our Board of Directors at a meeting held this evening.

After some discussion a vote was taken, resulting in a majority of the board in favor of Colonel George R. Davis.

This may therefore be received as an expression of the preference of this board upon the question.

Thanking you and your committee for their courtesy in this matter,

I am, very respectfully yours,

LYMAN J. GAGE,

President of the World's Columbian Exposition.

And Mr. Sewell, of New Jersey, submitted the following from a minority of the same committee:

The undersigned members of the Executive Committee respectfully dissent from the above report, and present for the position of director-general, the name of General Daniel H. Hastings, of Pennsylvania. We believe that he possesses every qualification for this responsible position, and most earnestly urge that his selection will meet the best thought of the land, that the Columbian Exposition is in no sense local, and in every sense national.

W. J. SEWELL,

E. KONTZ JOHNSON,

A. T. EWING,

L. H. HERSHFELD.

E. W. BREED.

An informal ballot was taken on the candidates so named, and Colonel Davis received a majority of all the votes cast, whereupon he was selected unanimously on motion of Mr. McClelland, of Pennsylvania, and a committee was appointed to notify him of that fact. Colonel Davis having been introduced by the president, made his acknowledgments to the Commission as follows:

MR. PRESIDENT AND GENTLEMEN OF THE NATIONAL COMMISSION: Your committee has just notified me of the distinguished honor that you have conferred upon me this morning. The selection made from Illinois and Chicago is complimentary to the city and State, and for the Local Board of Directors, for my city, my State, and myself I sincerely thank you. The selection of the director-general from untried men—men who have not had great experience—was a task for you to perform in which I most heartily sympathize with you. It is necessary in selecting a man for this position that you take much for granted, for an exhibition of an anniversary that comes only once in a hundred years leaves you but few men to select from who have had great experience.

In the discharge of the duties of this great office I will bring to it all the physical and mental forces that I command. The conduct of the office shall be of high grade, and it will be my duty to conform strictly and in every detail to the wish of this distinguished body. Politics have been referred to, and as I understand the position I desire to say one word in regard to that, and that is that I recognize that the constituency that elects me here to-day consists of one-half Republicans and one-half Democrats. It will be the duty of an honorable man to so conduct his office in his intercourse with all who come in connection with him—in the appointments that he has to make—to recognize that fact; and from the fact that it was a suggestion of my own, formulated by myself, and favored by myself when it was put in the Act of Congress, recognized as "the spirit of the Act of Congress." I will not, as your director-general, in any way fail to observe it in every particular.

The office will be conducted strictly upon business principles. I recognize that you require in all such officers as may be placed under my command the highest talent, the best ability, and the greatest capacity that we can command; that this is a National Exposition and an International Exposition and not a Local Exposition; that we will draw our forces from the country, draw our forces from wheresoever they may come, provided they are equal to the emergency.

The administration of my office will be an example, so far as it is possible for me to make it such, of the application of legal principles to business methods with military discipline.

I thank you, gentlemen, for the compliment, and am prepared to enter upon the duty.

[Colonel George R. Davis was born in the town of Palmer, Mass., in the year 1840, the son of Benjamin and Cordelia (Buffington) Davis, the former a native of Ware, Mass., and the latter a member of a well known Quaker family of Connecticut. George attended the public schools, and in other respects passed his boyhood after the manner of New England boys, and later prepared for college, graduating from Williston Seminary at Easthampton. This was just prior to



HON. GEORGE R. DAVIS,
DIRECTOR-GENERAL WORLD'S COLUMBIAN EXPOSITION.

the opening of the War of the Rebellion, so that instead of entering college, as he had anticipated, he, at the age of twenty-two, responded to the call for volunteers, and enlisted in the army as a private in Company H, Eighth Regiment Massachusetts Infantry. By gradual promotion he rose to the rank of captain, and in that capacity served with the Eighteenth Army Corps in the North Carolina campaign until August, 1863. Resigning his commission, he now returned to Massachusetts, clothed with proper authority, and recruited and organized a battery of light artillery. From this he was soon transferred to the Third Regiment Rhode Island Volunteer Cavalry, with the rank of major, and commanded it until the close of the war in 1865. After the war was over, Colonel Davis received an appointment in the civil department of the regular army, and was attached to the Department of the Missouri, of which General Sheridan was then in command. He served in the West with General Sheridan in the Indian campaign of 1868 and 1869, of which the engagement at the headquarters of the Washita was the most decisive, resulting in the defeat and routing of the famous chief "Black Kettle" and his band.

Colonel Davis was on duty at the headquarters of General Sheridan when that commander was stationed in Chicago in 1869, and continued his connection with the army until May 1, 1871, when he resigned and took up his residence in Chicago, where he has made his home ever since. Colonel Davis has always been an active and staunch Republican, and since his residence in Chicago has held a conspicuous place in the councils of his party as a recognized leader. He was elected to the United States Congress from the Second District of Illinois in 1873, and re-elected for the two succeeding terms. As a congressman Colonel Davis naturally took a prominent and leading place, and was one of the few of Chicago's representatives to that body whose efforts in behalf of their constituents were crowned with success. Among the important acts of legislation in which he took a prominent part, it is but just to say that securing a large appropriation for improving the Chicago harbor was chiefly due to his efficient and faithful work. In 1886 he was elected county treasurer of Cook County, Illinois, for a term of four years. When it was decided by Congress to celebrate the four hundredth anniversary of the landing of Columbus on American soil by a World's Exposition, Colonel Davis was one of the foremost in the promotion of the enterprise. A man of fixed opinions, iron will, unflinching perseverance and unusual executive ability, he at the same time possesses a tireless energy, and whatever he attempts stops at nothing short of its attainment. He is a man of great personal magnetism, courteous yet dignified in manners, generous, kind hearted and genial, and has always attracted to himself many warm friends. With his splendid qualities of mind and heart he combines a finely proportioned physique, being strong in structure and of robust constitution. He is a handsome man in both form and feature, and a mass of iron-gray hair gives a distinguished air to an otherwise striking personality. Colonel Davis was married, in 1867, to Miss Gertrude Schulin, of New Orleans, Louisiana, by whom he has two sons and four daughters.]

The World's Columbian Exposition produced events, which, in many cases were co-incident with and in some cases ante-dated the proceedings of the World's Columbian Commission (two separate and distinct bodies). Even before the voice of Congress had declared in favor of Chicago as the stage upon which the great Columbian drama should be enacted, the corporate powers of the city were invoked to give promise of such provision of means and facilities as would guarantee adequate accommodation to the guests of the nation; and when that voice had rendered the final verdict, among the most essential requirements of the situation was the procuring of such enactments from the State Legislature, from the Common Council of the city, and the Park Commissioners, as would legalize the occupation and use by the Exposition authorities of the public grounds considered most desirable for the purposes in view. Repeated offers were made by the directory to obtain the grant of Washington Park in its entirety, but the commissioners remained firm in their determination to reserve this portion of the South Side system for the recreation of the citizens; consenting finally, however, to extend their original grant by the addition of the improved portion of Jackson Park and the Midway Plaisance, and making certain liberal concessions as to the preparation of the former. The end was reached on the 9th of September, 1890, when the directors by unanimous vote re-affirmed their decision of July.

When the first meeting of the stockholders was held in April 1890, *bone fide* subscriptions exceeding \$10,000,000 had been made, divided among nearly thirty thousand persons. After the organization of the corporate body by the election of directors, the first and most pressing task of the hour was to meet the condition by which alone the benefits of the Federal charter could be realized. It was determined to ask from the common council of the city of Chicago the issuance of five millions of dollars in bonds, the proceeds to be applied to the legitimate purposes of the Exposition; and on July 23, 1890, an ordinance was

passed, by a more than two-thirds vote, providing for the appropriation as asked and asking the sanction of the State Legislature to the ordinance. At the same time the mayor was directed to appoint a committee of five with instructions to proceed immediately to the capital of the State and communicate the action of the council to the governor. A committee from the Directors of the Exposition was also in attendance at Springfield in furtherance of the desired legislation.

On the 24th of July, 1890, bills so to amend the constitution as to enable the city of Chicago to issue bonds in behalf of the Exposition were introduced simultaneously in both the Senate and Lower House, and were referred to the Committee on Laws in both houses. These bills were drawn up by the directory, who sought the interests of the Exposition in the simplest and most direct form. But on the same day Mr. Berry presented to the House of Representatives a bill which differed from the above in requiring a popular vote to be taken on the constitutional amendment empowering Chicago to increase her bonded debt to the amount and for the purposes set forth. This and various other obstacles were interposed on alleged grounds of policy and principle. All the numerous propositions having been referred without debate, the whole matter came up for formal consideration, first before the Senate Committee on Laws. Vice-President Bryan advocated the original bill and opposed the delay that would be entailed by reference to a popular vote. He held that the constitutional inhibition of subscription by cities to private corporations did not apply in this case. That the object sought was a great public benefit, one for which a tax could be properly levied. On the 28th of July the directors, in response to the resolution of inquiry made reply in substance as follows:

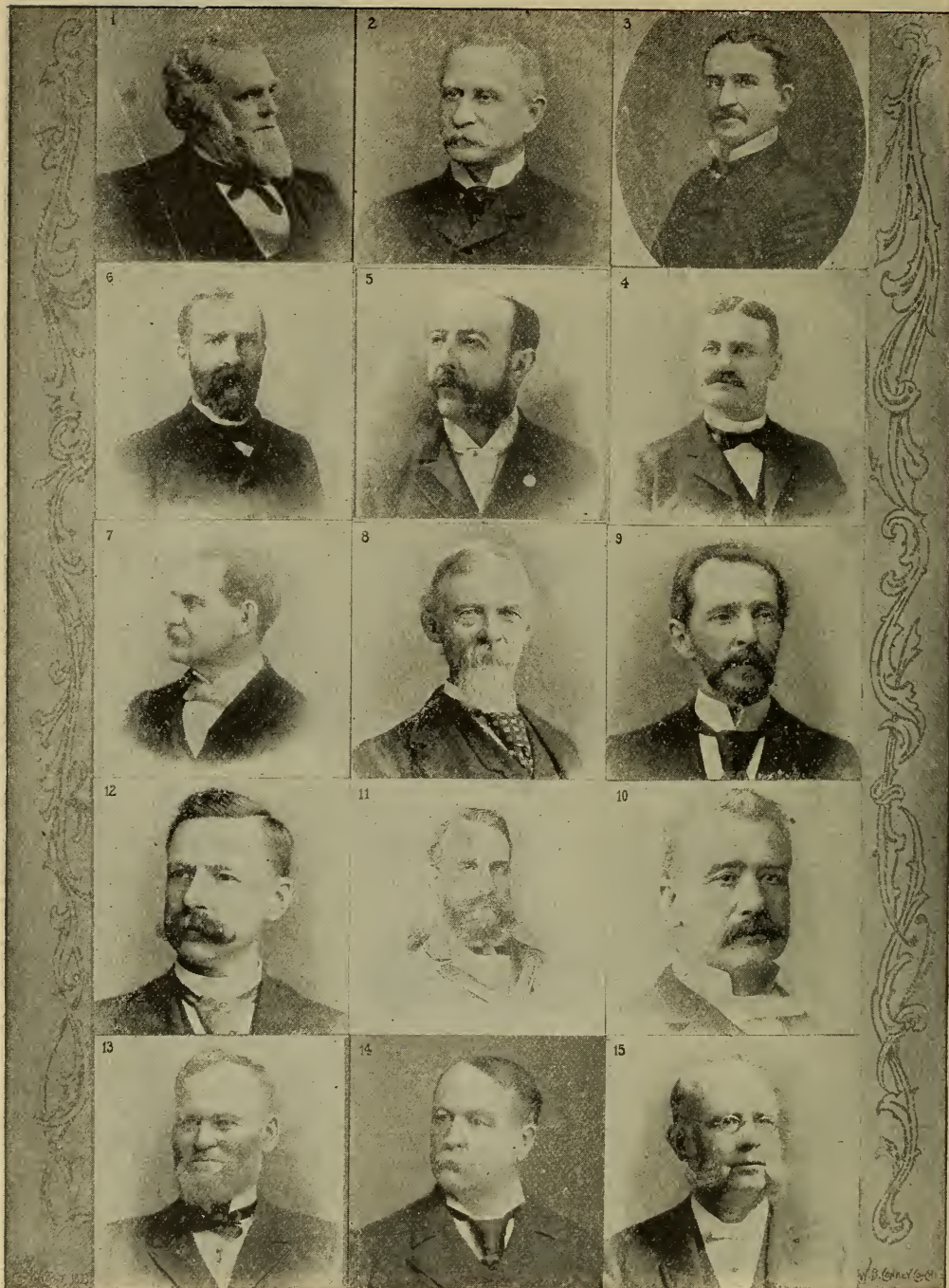
The Board of Directors of the World's Columbian Exposition desiring to respond in a frank and proper spirit to the desire of the Legislature for information, submit that they have not at hand, nor is there at once attainable, the knowledge and the experience needful to determine in advance the details of classification and arrangement involved in "Exhibiting" the "arts, industries, manufactures and products of the soil, the sea, and the mines of forty or fifty thousand exhibitors from every portion of the earth;" that the work is colossal is beyond question, and not to be comprehended nor mastered except as the development progresses. It is deemed appropriate to submit a brief statement of the present situation of affairs, and to set forth the relations borne by the State of Illinois, the city of Chicago, and the directors of the incorporated body to the Exposition. By the Act of Congress, approved April 25, 1890, provision has been made for fitly commemorating the fourth centennial anniversary of the discovery of America by an exhibit "of the resources of the United States, their development and the progress of civilization in the world." The act declares that the exhibition should be of a national and international character, and authorizes the appointment of a Federal Commission, charged with certain duties of supervision and authority over the enterprise. That commission has been duly appointed by the President of the United States, and has entered upon its functions in reference to the inauguration and conduct of the Exposition. The question of locating the Fair developed upon Congress. Several States and the capital of the nation contested for the honor. Illinois petitioned to have the Exposition entrusted to her city of Chicago, and certain obligations were assumed in order to secure the favorable consideration of Congress. As one of the conditions precedent the citizens of Chicago were required to provide a fund of ten millions of dollars and produce satisfactory evidence that an eligible site for accommodation of the exhibition would be furnished; and assurances were also required that the State of Illinois and the city of Chicago as the custodians of the national credit would carry into effect to the extent of their resources the spirit and letter of the Act of Congress. The faith of the State and city was pledged by their accredited representatives before the world; and therefore Congress committed to Illinois and Chicago the honor so eagerly contended for by other communities; and thus were the people of this State committed to the duty and obligation of capitalizing and conducting the enterprise in a manner suitable to the occasion and creditable to the country. The citizens of Chicago provided by personal subscriptions five millions of the requisite sum, and they pledged their city by every assurance and act which can bind the conscience of a community, to contribute five millions additional. Legislation by the city of Chicago and by the State of Illinois was indispensable to compliance with the terms prescribed by Congress. The impression has been created that in the disposition of the exhibits some injustice may be done, or is contemplated, to the agricultural interests of the State and country by divorcing that display from the main body of the Exposition. The allegation is unfounded and unjust to the directory, which fully recognizes that agriculture is the chief source of national greatness and prosperity, and as such is entitled to conspicuous prominence in an enterprise of this character. The Exposition will be conducted as an entirety notwithstanding the discussion of a dual site. It is the intention of this board to locate the agricultural and stock exhibits of the Exposition, so far as may be possible, in the same enclosure with the exhibits of machinery, manufactures, and other leading interests.

[Here follows a schedule of the prepared classification and arrangement of exhibits pertaining to the farming industry.] The document closed with the solemn assurance of impartial administration of the affairs of the Exposition, with a view to do entire justice to all classes of exhibitors and to achieve credit for the State. It was signed by Messrs. Lyman Gage, Thomas B. Bryan, Benjamin Butterworth, president, vice-president, and secretary of the Exposition, respectively.

On the 29th of July the Senate passed the bill so amending the constitution as to authorize the city of Chicago to issue five millions of bonds in aid of the Exposition, with the provision attached that the amendment should be ratified by popular vote before becoming operative. On the following day the measure in this shape was committed to a joint committee of the two branches of the Legislature. July 31st the House of Representatives took up the subject. The Senate disagreed to a House amendment releasing the State from all prospective liability for the bonds to be emitted by the city of Chicago, and then followed days of conference between the representatives of the two Houses with no other apparent result than that of intensifying the differences between them. At this juncture a new cause of division was found in an amendment stipulating that the "eight-hour law should be observed in erecting the buildings for the Exposition, and that in the employment of labor a distinction should be made in favor of American-born workmen and such foreigners as should have previously declared their intention to become citizens of the United States." A lengthy and heated debate ensued upon the introduction of this proposition, but it was finally adopted in the House of Representatives by a great majority. The same body also appended another section to the bill prescribing a fine of not less than one thousand dollars for violation of the foregoing provision. As thus, and otherwise, added to and subtracted from, the measure finally passed the House of Representatives by a vote of 130 yeas to 16 nays. The Senate then adopted the measure, accepting most of the amendments, but rejecting those embodying the eight-hour law and referring to the submerged lands on the lake front. The House when informed of this fact decided to adhere to its position, and thus matters of difference were again submitted to a joint committee of the two bodies. However, the hopes so long deferred were now about to be realized; a spirit of compromise prevailed over less discreet and patriotic counsels; and on August 5, 1890, Governor Fifer applied his signature to the acts granting in substance all that the authorities of the Exposition had asked from the State.

The General Assembly thus swept away all legal obstacles to the occupancy of the park; and the seal of popular approval was affixed to the lending of Chicago's credit to the aid of the Exposition. Before the year the directory were able to report to the National Commission that the sum designated by Congress was available for use, and this fact was forthwith certified by the commission to the President of the United States, who, under date of December 24, 1890, made proclamation that the conditions and requirements imposed by Congress had been complied with; declaring that an International Exposition would be opened in Chicago on the first day of May, 1893; and, in the name of the government and people of the United States, inviting "all the nations of the earth to participate in the commemoration of an event that is pre-eminent in human history, and of lasting interest to mankind, by appointing representatives thereto, and sending such exhibits as will most fitly and fully illustrate their resources, their industries, and their progress in civilization." This document was enclosed in a formal letter of transmission from the Secretary of State to all the foreign governments with which this country has diplomatic relations, and was accompanied by copies of the regulations for foreign exhibits, regulations of the Treasury department governing the free importation of exhibits, and the prospectus of a proposed World's Congress Auxiliary.

This completed the official functions by which the Exposition was brought to an active condition, and the plans were ripe for execution.



COMMISSIONERS WORLD'S COLUMBIAN COMMISSION.

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| 1. WM. G. DAVIS,
<i>Portland, Me.</i> | 2. JAMES HODGES,
<i>Baltimore, Md.</i> | 3. LLOYD LOWNDES,
<i>Cumberland, Md.</i> |
| 6. H. B. MOORE,
<i>Duluth, Minn.</i> | 5. GEO. H. BARBOUR,
<i>Detroit, Mich.</i> | 4. M. HENRY LANE,
<i>Kalamazoo, Mich.</i> |
| 7. ORSON V. TOUSLEY,
<i>Minneapolis, Minn.</i> | 8. JOSEPH M. BYNUM,
<i>Rienzi, Miss.</i> | 9. ROBERT L. SACNDERS,
<i>Jackson, Miss.</i> |
| 12. EUCLID MARTIN,
<i>Omaha, Neb.</i> | 11. CHAS. H. JONES,
<i>St. Louis, Mo.</i> | 10. THOMAS B. BULLENE,
<i>Kansas City, Mo.</i> |
| 13. ALBERT G. SCOTT,
<i>Kearney, Neb.</i> | 14. WM. J. SEWELL,
<i>Cumden, N. J.</i> | 15. THOMAS SMITH,
<i>Newark, N. J.</i> |

Friday the popular enthusiasm exceeded, if possible, that of the day before. The crowds of Thursday had gone home simply to restore exhausted nature. They appeared early the next morning in as great numbers, and the less congested condition of the streets was due to the effort of the multitudes to reach the South Park system. An inconsiderable proportion of the people was sufficient to pack the Lake Front, fill the stands erected along Michigan boulevard, and border the seven miles' line of march. The transportation companies going south were taxed to their fullest capacity, as the collection of 600,000 fares both ways amply testifies. Fully 250,000 people were carried to the parks on the trains, cable lines, and boats, and the number who walked, drove, or marched in the procession is scarcely to be estimated.

Promptly upon the firing of the salute at nine o'clock General Miles and his staff wheeled in front of the Auditorium in brilliant array, the United States Fifth Cavalry close behind, splendid in military trappings of gold and mounted on satin-coated bay horses. The Governors of the States with their gorgeous staffs seemed interminable. At Twenty-ninth street President Higinbotham's white marble palace was elaborately decorated with the flags of all nations. Here the crowd was densest, and the enthusiasm wildest when Mr. Higinbotham, Vice-President Morton, President Palmer, and other distinguished guests entered carriages and swung into the procession.

From this point the line proceeded, between banks of spectators, down the broad esplanade of Grand boulevard to Washington Park, where the United States Infantry were placed. Here the multitudes witnessed an inspiring scene—the military maneuvers—the full panoply of war. It proved an attraction second only to the dedication ceremonies, and amply repaid those who saw it for hours of waiting.

While it seemed the whole world was without the gates, nearly 100,000 people waited in the mammoth Manufactures' Building, seated comfortably in chairs. The immensity of the building silenced them. The decorations were necessarily on a massive scale and simple lines. From each of the twenty-seven trusses, that rise 200 feet to the roof, a United States flag was hung. The gallery at the north end, reserved for the bands, was draped in terra cotta; and the south gallery, where the chorus was massed, was festooned with oak-leaf ropes. The great stage, semi-circular in shape, was draped in American and Spanish colors, and hedged in with rows of potted crysanthemums in broad bands. A national flag draped the desk. Behind and above the stage the entire arch was a mass of festooned flags, over which hung the banner of Ferdinand and Isabella and their coat-of-arms. Flags of all nations filled every intervening space. But the crowning glory of the decorations was the official banner of the World's Columbian Exposition displayed for the first time. It is triangular in form, divided evenly at the staff. One-half the ground is blue, signaling Lake Michigan; the other half is white, suggestive of the Exposition buildings; the fringe is of dark gold, which, with the white, makes the colors of Isabella.

The ceremonies themselves were profoundly impressive from the Columbus hymn to the benediction. The great audience was lifted up to heights of spiritual vision to perceive the meaning of centuries, in which only large events loomed like mountain peaks and trivialities were leveled and lost. The speakers were inspired to the loftiest flights of eloquence and each one uttered sentiments as noble as the deeds of which he spoke.

Bishop Fowler of the Methodist Episcopal church invoked a divine blessing. Director-General Davis delivered an address which was scholarly and classical in its diction. Mrs. Le Moyne read the Columbian Ode, written by Harriet Monroe, the young poetess of Chicago. It proved a surprise in its simplicity and strength.

The artists and architects of the buildings were then presented with the medal designed by Elihu Vedder, and Mrs. Potter Palmer advanced to the desk calm and smiling. She delivered an address replete with oratory and in a man-

ner at once pleasing and easy. In her remarks she gave a lucid account of the initiatory steps taken by the Board of Lady Managers without touching upon politics, suffrage or other irrelevant issues, and foreshadowed the work the board would do in the formation of a public sentiment, which will favor woman's industrial equality, and her receiving just compensation for services rendered; to secure for her work the consideration and respect which it deserves, and establish her importance as an economic factor. She closed by expressing thanks to the Congress of the United States for having made this great step forward and also for having subsequently approved and indorsed the plans of the Board of Lady Managers, as was manifested by their liberal appropriation for carrying them out; her appreciation of the assistance given by the President of the United States, the Department of State, and our foreign ministers, and hoped to have occasion to thank all the other great departments of the Government before the work was finished. No speech was more generously received than Mrs. Palmer's dedicatory remarks, and none elicited more favorable comments from the public press.

President Higinbotham, on behalf of the Local Directory, tendered the buildings to the National Commission, which President Palmer accepted and in his turn bestowed upon the Nation in an appropriate speech.

In the absence of President Harrison, the cause for which he deeply deplored, Vice-President Morton accepted the buildings for the United States.

Impressive as these talks were, they made no pretense to oratory. When Mr. Henry Watterson came down the rostrum cheers rose. Strong as was the voice of the Kentuckian, it failed to fill the vast auditorium. Only a trumpet could have done that. But back to the walls the people cheered both him and Mr. Depew whenever the front rows applauded.

Almost before the applause died the chorus of 5,000 voices rendered "In Praise of God," Beethoven's anthem, followed by the benediction, by Rev. H. C. McCook of Philadelphia. The solemn "Amen" of the speaker was thundered to the skies in the deep roar of the artillery, and the crowd dispersed to the mighty voice of the National salute.

The pyrotechnics at night closed the ceremonies of dedication. Promptly at 8 o'clock the flash-light from the Manufactures Building gave the signal. The next instant three bombs burst simultaneously in Washington, Lincoln and Garfield Parks, cut long, curving streaks of light to the zenith, and fell in glittering rainbow-colored balls like the jeweled ribs of a vast umbrella above the heart of the city. Then a hundred balloons were loosed from their moorings in each park, and when in mid-air discharged rockets which changed to glowing bubbles of vari-colored fire.

From the time of the dedication of the buildings and the formal transfer of them to the authorities of the United States increased activity in the work was noticeable. Upward of 10,000 workmen and employés were scattered over the "White City," and at every unfinished building the work seemed to be in semi-suspense, or to have the air of an industrial festival. Deliberation was the order of the day, flavored, however, with eager interest and willingness. Good wages, a little above the market rates, were a healthy incentive, and every mechanic with a spark of fire in his nature must have been quickened by the magnificence of his task. Also deliberation was a necessity in three-fourths of the work, which required caution as well as judgment; for many aerial gymnasts were perched from 60 to 260 feet in the air. Sky generalship of a high order was to be seen under the arching roof of the great buildings. Here, after months of patient lifting and fitting of unprecedented weights at great heights, each man had grown to know his duty intimately. From some lofty perch the foreman of a gang would conduct his men somewhat after the manner of the leader of an orchestra. Whenever he fell short of the mark he would shout his general order to an assistant half-way down, on the opposite side of the span, and the latter would give fuller instruction to another assistant on the floor. After each move

all eyes would turn to the directing mind aloft. Under those roofs feats were accomplished worthy to have called forth a "wild surmise" from the Egyptians who piled the pyramids.

Manual labor also has its victory in these monumental buildings, and no doubt the descendants of those skillful artisans will preserve the tradition of their labors at the Exposition. Considering the chances for fomenting strikes, the bickerings have been slight and of only short duration. Every legitimate and reasonable position taken by organized labor was carefully considered by the Exposition authorities, and by them given respectful consideration. Strikes did occur, but they were not of a serious character, and all differences were settled on a fair and amicable basis shortly after they arose.

Looking now somewhat into the future the question arises, "Will it pay?" Liberal ideas have controlled the pursestrings, yet the financial problem has been handled with economy, and even with thrift. With the exception of the first London exhibition of 1851, world's fairs have been a costly luxury to their patrons; that fair, in covered area, was less than one-fifth the size of the Columbian Exposition; it was open 144 days, and the receipts almost doubled the expenses. In 1867 Louis Napoleon opened his second Paris Exposition, and, considering its success as a "dazzler," did not probably begrudge the wide difference between the expenses, which were \$4,000,000, and the receipts, which amounted to \$2,100,000. Eleven millions was spent on the Vienna Exposition of 1873, and ten millions of it went into the financial crash that it heralded. Under republican management, Paris, in 1889, produced a remarkable fair, a third larger than the Vienna Exposition, with the same outlay, and with a satisfactory income. Like the Philadelphia Centennial, the Parisian fair with its buildings covered only one-half the space of the Columbian Exposition. At Philadelphia the receipts (\$3,800,000) fell nearly 60 per cent. short of the cost, which was \$8,500,000. Circumstances and conditions are different, however, regarding this Exposition. From its very inception local pride and able financiering were enlisted in the problem of making the World's Columbian Exposition pay expenses; more is not asked. Nearly all the subscriptions to the capital stock were given as a token of public spirit. When it became apparent in the spring of 1892 that the \$14,000,000 or \$15,000,000 then in sight would not complete the grounds and buildings on the scale that had been adopted to a point where it was impossible to turn back, the management appeared before Congress asking for a loan of \$5,000,000. Congress declined the loan, yet gave \$2,500,000 in souvenir coins. By the simple process of holding these coins at a premium of 100 per cent. the managers realized the full \$5,000,000 from the kindly act of Congress, and increased the available funds to \$20,000,000.

Up to April 1, 1893, there had been expended \$16,708,826.48—a sum equal to twice the cost of the Paris Exposition.

Of this amount \$14,411,506.74 has gone into the buildings. That amount represents every feature of construction at Jackson Park, including the preparation of the site and the cost of labor. General expenses, which include everything outside of construction, are figured at \$2,206,644. This includes all salaries and almost every kind of incidentals. One of these items is \$12,975 for removing ice and snow. From this it will be seen that the storms which enveloped the roofs last winter did considerable damage. The dedication ceremonies cost \$221,158. The opening ceremonies cost but \$5,000. It cost \$108,000 to handle the souvenir coins. Traveling expenses have been \$25,558, and the item of uniforms reaches \$12,592, though this will be repaid. The stationery and printing bills are \$49,925, and postage stamps have cost \$52,684. Insurance companies have received \$72,000 in premiums. Janitors have drawn \$34,690 for their services. The cost of furniture and fixtures for the offices reaches the sum of \$43,781 and the rent bill has amounted to \$58,124. The salaries of clerks has netted \$264,754 and the salaries of officers \$260,938. The pay-roll for March shows that 4,124 persons drew salaries and wages amounting to \$314,425, or an

average compensation of \$76.24 per month or \$2.46 per day. Contracts for construction purposes amounted to \$12,469,201 up to the 1st ultimo, of which \$2,361,263.37 was to be paid. The total receipts up to April 1st were \$17,496,432.16, of which there was a cash balance of \$626,396.58 on hand. If all goes well with the estimates from gate receipts, concessions, salvage, etc. (and all indications point to success), the auditor's ledger at the wind-up will no doubt show a balance to the credit of the enterprise.

A large portion of the funds have come from Chicago or corporations doing business in this city; \$5,500,000 have been subscribed here in capital stock; \$5,000,000 were given by the city of Chicago; when it became necessary to put up \$5,000,000 worth of bonds on the market, forty-four Chicago banks subscribed for \$2,314,000, and twelve railroads with terminals here took another \$1,000,000, making practically \$15,000,000 raised in Chicago.

The United States government has contributed \$1,500,000 originally; \$2,500,000 in souvenir half dollars; \$408,250 for construction of the United States Building; \$151,750 for the maintenance of the United States Government exhibit; \$20,000 to enable the Secretary of the Treasury to pay the expenses of receiving foreign goods for the Exposition; \$103,000 for medals and diplomas; \$688,625 for salaries, etc., of the National Commission, including the fiscal year, ending June 30, 1894, making a total for all purposes of \$5,371,625.

The total appropriations made by foreign countries approximate \$7,000,000; by the states and territories, \$6,000,000.

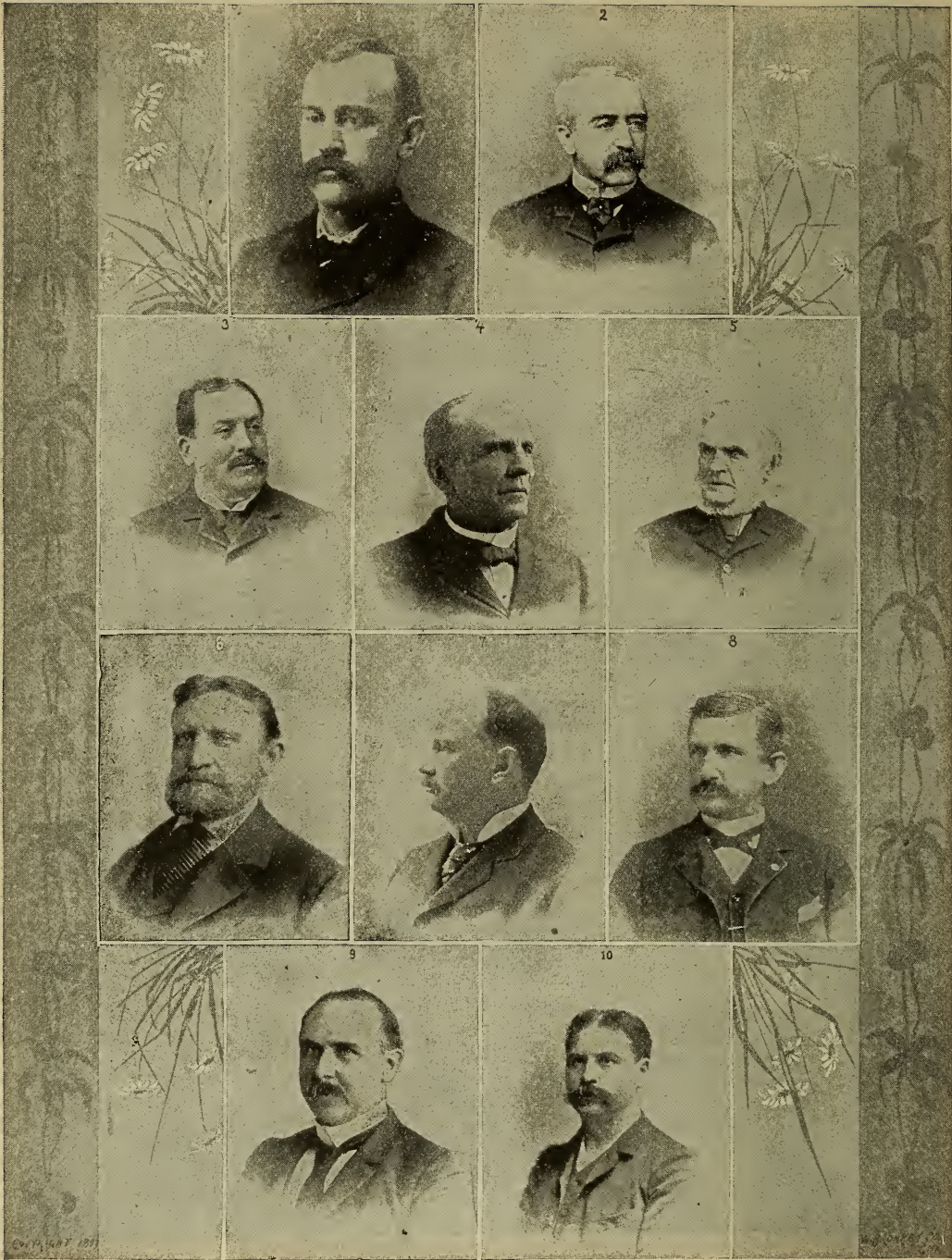
After the buildings were practically finished the herculean task of installation came next. Exhibitors were slow in forwarding their exhibits, and for a time it appeared as if the Exposition would not be in readiness to open at the appointed time. While the Director-General stood out for a long time against receding from the position taken in the beginning, that exhibits must be in position early in April, he finally yielded to the inevitable and postponed the "day of grace." After continuous reminders that the Exposition would surely open on the 1st of May, exhibitors began sending in their goods and wares at a lively rate by the middle of April, and from that time up to the present activity and bustle has been the order of the day.

May 1st, the Exposition was formally opened and fully 350,000 people were present. From the east portal of the Administration Building to the walk along the west side of the grand basin, immense platforms had been constructed. On the outer platform a small table, covered with the United States flag, stood on a platform six feet in height. Resting on the stars and stripes was the velvet base of the magic key that was to send the thrill into Machinery Hall and formally open the Exposition. Above this rich velvet and gold pyramid the key itself rested like a beautiful jewel. Stretching upward and backward from this centerpiece rose the grand stand, tier on tier. It was a remarkable gathering in many ways that filled the grand stand. Not only were there men and women of distinction among them, but a dozen nations contributed to the assemblage. Chicago's representative men were there, almost to a man, it seemed. Congress was represented in both houses in this earlier gathering. The army, the navy, the bench and the bar held a place. It was among the foreign contingent that attention was chiefly directed. Three figures well to the front received general notice. They were the Scottish Earl of Aberdeen, Sir Edward Birbeck and Sir Henry Wood. Baron Kunowski came on the platform accompanied by Marshall Field. Abdul Rahman, Rajah of Johore, was a noticeable figure, dressed in black, with a purple apron tied about him, and with an oriental wealth of insignia across his broad expanse of shirt front. Fred Douglass' dark face and long, white fleece showed near the big frame of Buffalo Bill, who, wearing a white sombrero, passed among the throng to be admired. The local officials arrived in squads. The first to appear were the judges of the courts, with Judge Horton and Judge Ewing in the lead. They occupied front seats and appeared to enjoy themselves immensely. The members of the Legislature came soon afterward, and then



COMMISSIONERS WORLD'S COLUMBIAN COMMISSION.

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| 1. ALEXANDER B. ANDREWS,
<i>North Carolina.</i> | 2. THOS. B. KEOGH,
<i>North Carolina.</i> | 3. R. B. RICKETTS,
<i>Pennsylvania.</i> |
| 6. WM. MCINTYRE,
<i>South Dakota.</i> | 5. MERRITT H. DAY,
<i>South Dakota.</i> | 4. JOHN W. WOODSIDE,
<i>Pennsylvania.</i> |
| 7. ARCHELAUS M. COCHRAN,
<i>Texas.</i> | 8. JOHN T. DICKINSON,
<i>Texas.</i> | 9. GEORGE F. COATS,
<i>Arizona.</i> |
| 12. RICHARD MANSFIELD WHITE,
<i>New Mexico.</i> | 11. THOMAS C. GUTIERRES,
<i>New Mexico.</i> | 10. WM. K. MEADE,
<i>Arizona.</i> |
| 13. OTHNELL BEESON,
<i>Oklahoma.</i> | 14. FRANK R. GAMMON,
<i>Oklahoma.</i> | 15. FREDRICK J. KIESEL,
<i>Utah.</i> |



COMMISSIONERS WORLD'S COLUMBIAN COMMISSION.

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| 1. LOUIS L. WILLIAMS,
<i>Alaska.</i> | 2. THOS. E. PROCTOR,
<i>Massachusetts.</i> |
| 3. LEWIS H. HERSHFELD,
<i>Montana.</i> | 4. JAMES W. HAINES,
<i>Nevada.</i> |
| 6. V. D. GRONER,
<i>Virginia.</i> | 7. C. B. HOPKINS,
<i>Washington.</i> |
| 9. H. G. HAY,
<i>Wyoming.</i> | 8. J. D. BUTT,
<i>West Virginia.</i> |
| | 10. CARL SPUHN (Alternate),
<i>Alaska.</i> |

came the governor's staff, resplendent in dazzling new uniforms and befeathered chapeaus. The county commissioners, the aldermen, and many other county and city officers came also.

At 11:15 President Cleveland approached the table in front, with Director-General Davis on one side and Charles Henrotin on the other. Bunched behind them came a crowd of notables—Secretaries Gresham, Carlisle, Smith and Herbert, Vice-President Stevenson, President Palmer, of the National Commission; the Duke of Veragua, Chaplain W. H. Milburn, of Washington; Lyman J. Gage, President Higinbotham, Director of Works Burnham and others. Back of them, on the grand stand, were Governor Altgeld, of Illinois; Gen. Nelson A. Miles, Lambert Tree; Speaker Crafts, of the Illinois House of Representatives; Lieutenant-Governor Gill and other State officers of Illinois, Senator Cullom, of Illinois; Senator Mitchell, of Wisconsin; Senator Allison, of Iowa; Congressman Springer, of Illinois; Ashley, of Massachusetts; Campbell, of New York; Barwig, of Wisconsin; McDonald, of Illinois; Buckner, of Wisconsin; Houk, of Ohio; O'Neill, of Pennsylvania; Durborow, of Illinois; Henderson, of Iowa; Black, of Illinois, and McGann, of Illinois; National Commissioners Widener, Bradley B. Smalley, G. W. Allen, George H. Barbour, V. D. Groner, James Hodge, Thomas B. Keogh, A. T. Ewing, James H. Breslin, J. W. St. Clair, and Directors Thomas B. Bryan, F. W. Peck, J. W. Ellsworth, W. D. Kerfoot, William P. Ketcham, E. F. Lawrence, A. H. Revell, C. H. Wacker, James W. Scott, C. T. Yerkes, C. H. Schwab and ex-President W. T. Baker; also Mrs. Potter Palmer, the ladies of the ducal party and a few members of the Board of Lady Managers, Mayor Harrison and others.

The diplomats failed to attend in a body, although many of prominence were present.

The President of the United States bowed to the cheering crowds below him. He seated himself, with the Duke of Veragua and Mr. Higinbotham on his right. Messrs. Palmer, Burnham and Davis seated themselves at his left hand. A moment later the Director-General arose, and, turning toward the great band under the arched entrance of the Administration Building, waved the type-written copy of his speech. The instruments burst into the strains of the Columbian march and hymn, after which prayer was offered by the Rev. Mr. Milburn, known far and wide as the "blind preacher." The prayer was long and was scarcely heard fifty feet away. People below had become unmanageable and the attention of nearly every one on the stand was directed to them. When the prayer was ended W. D. Croffut's poem, "The Prophecy," was read by Miss Jessie Couthouli. It was scarcely heard twenty feet from the stand, though the lady's gestures were watched and cheered by the vast throng.

The orchestral overture, "Reinzi," followed, after which the Director-General rose to speak. His address was cut very short, both from inability to make himself heard and on account of the crushing, surging, restless crowd of people below him.

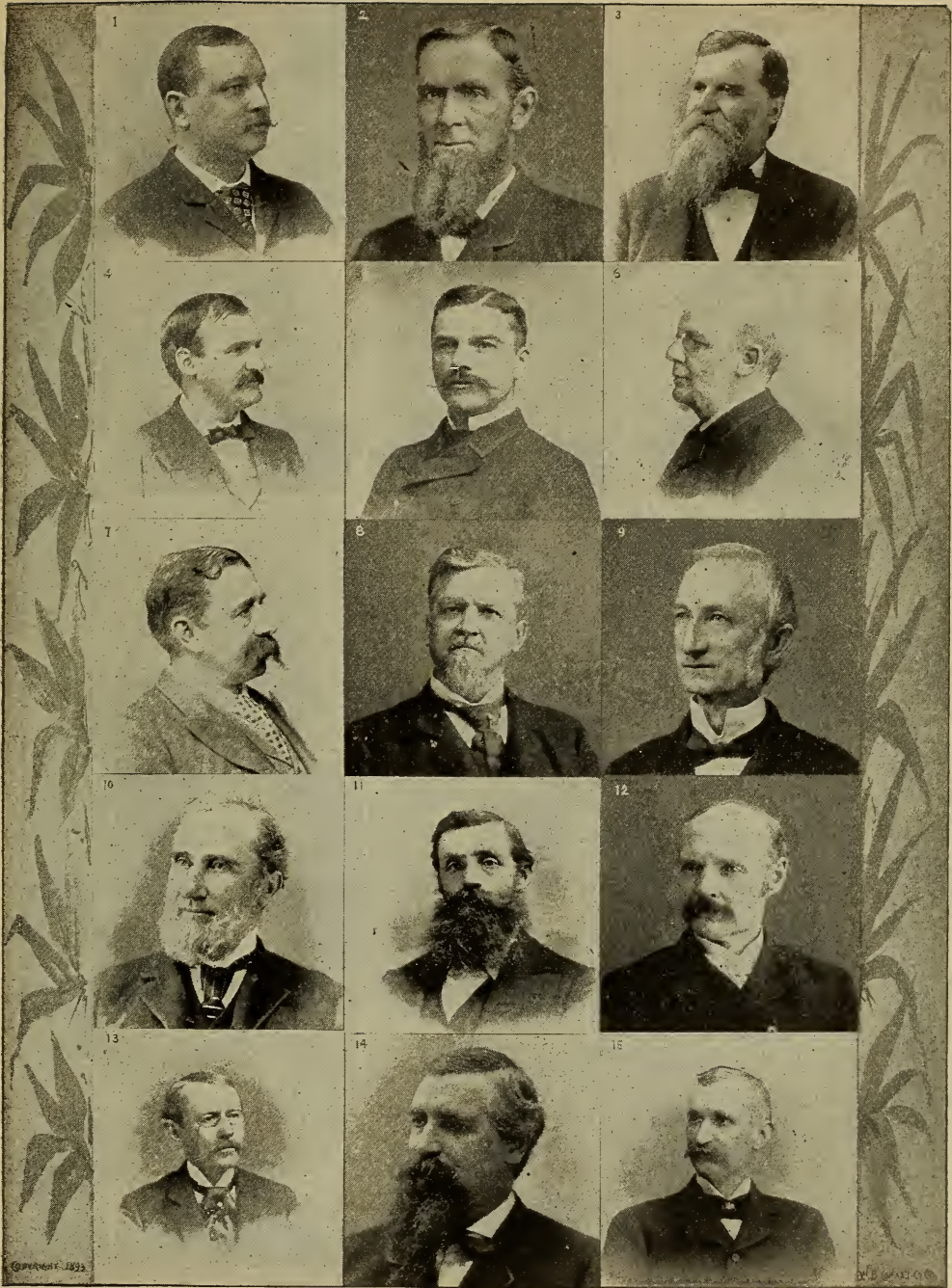
President Cleveland's address was a very short one. In rising he laid off his hat, putting his right hand rather nervously to his hair. Then his hand dropped into his overcoat pocket and he stood stroking his moustache with his left hand as he waited for the applause to subside. He talked slowly and probably succeeded better in making himself heard beyond his immediate surroundings than did any one else.

It was just 12:04 o'clock when he stepped forward and pressed the key that started the machinery in Machinery Hall.

Suddenly the great flag whose silken folds of red, white and blue had drooped at the foot of the middle flag-pole in front of the President's platform, climbed swiftly to the top, where it hung glistening below the golden caravel crowning the mighty shaft. The banner of Columbus, white with the green cross of the inquisition and "F. Y." the initials of his sovereigns, rose more slowly on the tall pole to the right. From the left came a burst of color, and

the red banner of Castile, with its rampant lion, rose in the air. Then while the people gazed in wonder at the scene of magic, banners bourgeoned along the roofs of the palaces about the court of honor. They broke forth in folds of red and saffron and green and blue and white. The whistles of the steam launches in the basin drowned out the boom of the cannon aboard the man-of-war Michigan, whose white hull lay in the lake beyond the Peristyle. The fountains spouted a hundred feet in the air, their feathery tufts of water catching rainbows in the sunshine. The cheers rose tumultuously, and when the noise finally died away the faint sound of distant machinery told that the Exposition was an accomplished fact.

The gates are now open under most favorable conditions, and as the colossal undertaking expands to the zenith of its glory successive issues of the Official Directory and Reference Book will give additional details of the wonders to be seen.

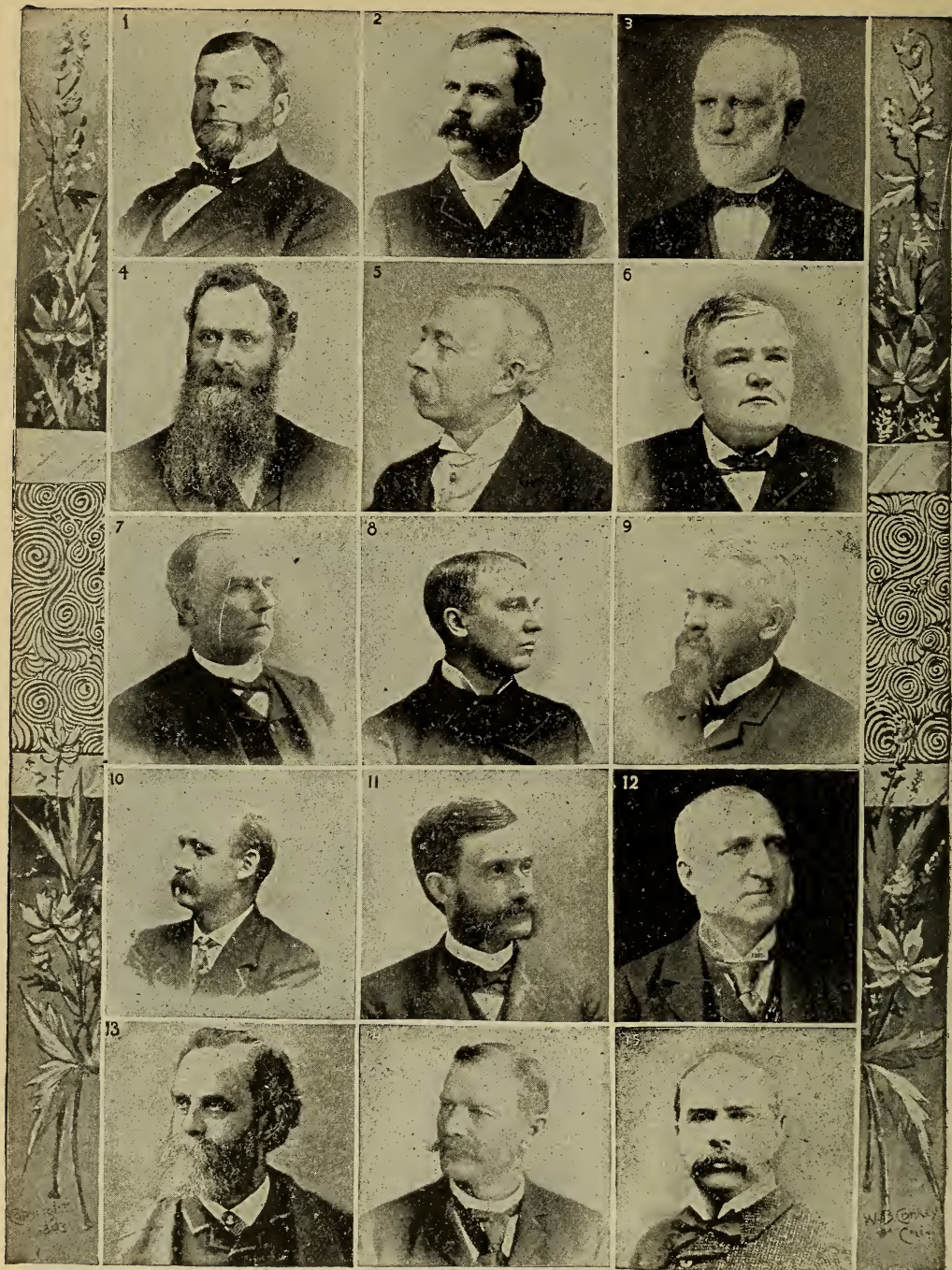


GROUP OF PRESIDENTS OF STATE BOARDS,
WORLD'S FAIR MANAGERS.

1. Gen. John W. Corcoran,
Massachusetts.
4. Gov. R. E. Pattison,
Pennsylvania.
7. Stephen J. Meeker,
New Jersey.
10. W. H. Dulaney,
Kentucky.
13. W. N. Chancellor,
West Virginia.

2. Hall C. Burleigh,
Maine.
5. Gov. Frank Brown,
Maryland.
8. Capt. A. A. Woods,
Louisiana.
11. N. G. Blalock, M. D.,
Washington.
4. James Mitchell,
Arkansas.

3. Clem. Stuebaker,
Indiana.
6. August L. Smith,
Wisconsin.
9. A. S. Buford,
Virginia.
12. James M. Wells,
Idaho.
15. W. T. Thornton,
New Mexico.



GROUP OF PRESIDENTS OF STATE BOARDS.

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| 1. LA FAYETTE FUNK,
<i>Illinois.</i> | 2. S. P. BEHAN,
<i>Arizona.</i> | 3. J. O. CROSBY,
<i>Iowa.</i> |
| 4. J. B. SMITH,
<i>Delaware.</i> | 5. D. O. MONFORT,
<i>Minnesota.</i> | 6. A. J. SEAY,
<i>Oklahoma.</i> |
| 7. H. B. ANDREWS,
<i>Texas.</i> | 8. PROF. ANDREWS,
<i>Rhode Island.</i> | 9. M. W. COBURN,
<i>Kansas.</i> |
| 10. W. W. PEABODY,
<i>Ohio.</i> | 11. C. H. AMSDEN,
<i>New Hampshire.</i> | 12. CHAUNCEY M. DEFEW,
<i>New York.</i> |
| 13. E. B. SMALLEY,
<i>Vermont.</i> | 14. JNO. S. HARPER,
<i>Wyoming.</i> | 15. I. M. SCOTT,
<i>California.</i> |

STATE AND TERRITORIAL PARTICIPATION.

The following shows the States and Territories that are participating, and the amount each has appropriated for its exhibit. In addition to these appropriations a total of over one million dollar was contributed by subscriptions of individuals and by counties. At the time of going to press on this edition, bills were pending for additional appropriations as follows: Alabama (original), \$38,000; Colorado, \$10,000; Connecticut (original), \$75,000; Ohio, \$75,000; Tennessee (original) \$50,000; West Virginia, \$25,000; New Mexico, \$17,000.

States.	Appropriation.	Dimensions of B'ld'g in feet.	Cost of B'ld'g including donated material.
Alabama.....	None.	None.	.....
Arkansas.....	\$ 15,000	66x92	\$ 18,000
California.....	300,000	144x435	75,000
Colorado.....	167,000	45x125	35,000
Connecticut.....	None.	72x73	15,000
Delaware.....	10,000	58x60	8,000
Florida.....	None.	137x137	20,000
Georgia.....	"	None.	.....
Idaho.....	50,000	70x90	30,000
Illinois.....	800,000	160x450	250,000
Indiana.....	125,000	53x152	75,000
Iowa.....	130,000	60x100	50,000
Kansas.....	65,000	135x138	25,000
Kentucky.....	100,000	75x90	35,000
Louisiana.....	36,000	66x56	18,000
Maine.....	58,900	65x65	22,000
Maryland.....	60,000	80x120	25,000
Massachusetts.....	175,000	82x110	65,000
Michigan.....	125,000	100x140	50,000
Minnesota.....	150,000	78x91	30,000
Mississippi.....	None.	None.	.....
Missouri.....	150,000	86x86	50,000
Montana.....	100,000	62x113	20,000
Nebraska.....	85,000	60x100	20,000
Nevada.....	10,000	None.	.....
New Hampshire.....	25,000	53x84	10,000
New Jersey.....	130,000	40x60	40,000
New York.....	600,000	105x160	150,000
North Carolina.....	25,000	None.	.....
North Dakota.....	25,000	50x70	25,000
Ohio.....	100,000	80x100	35,000
Oregon.....	60,000	None.	.....
Pennsylvania.....	300,000	110x166	80,000
Rhode Island.....	57,500	32x59	8,000
South Carolina.....	None.	None.	.....
South Dakota.....	60,000	70x126	20,000
Tennessee.....	None.	None.	.....
Texas.....	"	85x250	30,000
Vermont.....	29,750	.....	10,000
Virginia.....	31,000	175x185	25,000
Washington.....	100,000	118x208	100,000
West Virginia.....	60,000	58x123	20,000
Wisconsin.....	165,000	80x90	30,000
Wyoming.....	30,000	60x70	20,000
Territories:			
Alaska.....	None.	None.	.....
Arizona.....	35,000	} Joint B'ld'g. }	.....
New Mexico.....	25,000		7,500
Oklahoma.....	15,000		.....
Utah.....	.....	46x82	15,000

ALABAMA.

National Commissioners: Frederick G. Bromberg, Mobile; Oscar R. Hundley, Huntsville. Alternates: Gotthold L. Werth, Montgomery; William S. Hull, Sheffield.

National Board Lady Managers: Miss Hattie T. Hundley, Mooresville; Mrs. Anna M. Fosdick, Mobile. Alternates: Mrs. S. H. Bush, Birmingham; Miss Irene W. Semple, Montgomery.

Alabama has no State Board of Commissioners nor a building, the Legislature having failed to make an appropriation. Some funds were raised in the State, however, pending the action of the Legislature on the World's Fair Bill, but it was not a sufficient amount with which to erect a creditable building and the movement was abandoned.

ARKANSAS.

Following are the members of the Arkansas State Board of Commissioners: James Mitchell, President, Little Rock; Hal L. Norwood, Secretary, Locksburg; R. H. Adair, Manager, Fort Smith; Miss Fannie Scott, Lady Assistant Manager, Van Buren; W. S. Thomas, Little Rock; R. B. Weaver, Rally Hill; Edward W. Pascoe, Cushman.

National Board Lady Managers: Mrs. James P. Eagle, Little Rock; Mrs. Rollin A. Edgerton, Little Rock. Alternates: Mrs. Margaret M. Radcliff, Little Rock; Mrs. William B. Empie, Newport.

National Commission: J. T. W. Tiller, Little Rock; J. H. Clendening, Fort Smith. Alternates: James T. Mitchell, Little Rock; Thomas H. Leslie, Stuttgart.

The design of the Arkansas Building follows classic models, it being in the French "Rococo" style of architecture, as Arkansas was originally settled by the French. The exterior is in plaster and ornamental staff work, tinted in light color. The interior is tinted, and the ornamental work is brought out in gold. The building has a ground area of 66 by 92 feet. From a large circular veranda, which runs the width of the building, an elliptical entrance opens to the rotunda, 30 by 30 feet, lighted by a central dome. In the center of the rotunda is a fountain of Hot Springs crystals, lighted by electricity. Flanking the rotunda are six rooms, 15 feet square. Five of these are used as exhibit rooms, with the registry room on the right of the entrance lobby. Opening from the rotunda, by triple arches, is the hallway, 11 by 55 feet, with the stairways on each side of the arched entrance. At the rear of the building is the assembly hall, 25 by 65 feet, which is entered from the hallway through triple arches. In this hall, opposite the entrance, is a 10-foot mantel, of Arkansas white onyx. Columns and vases of the same material are placed in various parts of the building. On the second floor are parlors for men and women, a library, committee and officers' rooms. All of these rooms open on a broad gallery, over the rotunda, lighted from the central dome. Designer, Mrs. Jean Douglas, of Little Rock; cost \$18,000. The exhibits made by Arkansas are to be found in the State building.

CALIFORNIA.

Following are the members of the California State Board of Commissioners: Irving M. Scott, President, San Francisco; Jas. D. Phelan Vice-President, San Francisco; N. J. Bird, General Manager; C. M. Wells, Secretary, San Francisco; John Daggett, Black Bear; R. McMurray, San Francisco; A. T. Hatch, San Francisco; L. J. Rose, Los Angeles; S. W. Ferguson, Bakersfield.

State Board Lady Managers: Mrs. E. O. Smith, President; Mrs. Flora M. Kimball, Vice-President; Mrs. A. Marcellus, 2d Vice-President; Mrs. Ella Sterling Cummins, Mrs. Anna M. Reed, Mrs. Olive C. Cole, Mrs. Virginia Bradley; Mrs. Hester A. Harland, Secretary.

National Board of Lady Managers: Mrs. Parthenia P. Rue, Santa Rosa; Mrs. James R. Deane, San Francisco. Alternates: Mrs. Isaac L. Requa, Piedmont; Mrs. Frona E. Waite, San Francisco.

National Commission: Michel H. de Young, San Francisco; William Forsyth, Fresno. Alternates: George Hazleton, San Francisco; Russ D. Stephens, Sacramento.

Next to the Illinois Building California's is the largest of the State buildings, and cost \$75,000. Its dimensions are 144x435 feet. It is in the style of architecture of the old California mission buildings. The exterior is of plain plaster, artificially seamed and cracked, giving it the appearance of the old mission buildings, while recessed entrances give the walls that appearance of depth and solidity characteristic of the old buildings. The south front is a reproduction of the old Mission church at San Diego. The main tower is an exact reproduction

of the San Diego church tower, while the remaining towers on the corners and center of the building are all studied from the mission architecture. The building is not of the clubhouse character of most of the other State buildings. The entire first floor is open and is devoted to the California State display, principally of fruits and canned goods. There are three fountains on the ground floor; one in the center and one at either end. The central hall is surrounded by a wide gallery, and on the gallery floor on the north end of the building is the banquet hall, a kitchen and an assembly-room. In the south end are four servants' rooms, and there is a café in the gallery. The building is severely plain, there being no interior or exterior decorations of any kind. The walls are whitewashed within and without. The central portion of the roof is devoted to a garden 144 feet square, surrounding the central dome. On either side of the main entrances are elevators running to the roof garden. These elevators are a California product, the power being a combination of steam and water. The roof is of California red tile.

COLORADO.

Following are the members of the Colorado State Board of Commissioners: Governor Davis H. Waite, President, Aspen; A. B. McKinley, Vice-President, Denver; O. C. French, Secretary, Denver; Joseph A. Thatcher, Treasurer, Pueblo; B. S. LaGrange, Greeley; Frederick Steinhauer, Denver; Nathan B. Coy, Denver; R. E. Goodell, Leadville; Joseph H. Smith, Denver; H. B. Gillespie, Aspen; W. S. Coburn, Paoma.

National Board Lady Managers: Mrs. L. P. Coleman, Buena Vista; Mrs. M. D. Thatcher, Pueblo. Alternates: Mrs. William Patrick, Leadville; Mrs. Susan R. Ashley, Denver.

National Commission: Roswell E. Goodell, Leadville; J. H. Smith, Denver. Alternates: Henry B. Gillespie, Aspen; O. C. French, New Windsor.

The Colorado Building is in the Spanish renaissance, this style of architecture being considered most suitable for the Southwestern States. It cost \$35,000. The whole exterior of the building is in staff of an ivory color, and in the salient features of the design profusely ornamented, the ornamentation comparing to fine advantage with the broad, plain surfaces of the building. The striking feature of the design is two slender Spanish towers, 98 feet high, rising from either side of the main entrance, on the east. The tower roofs and the broad, overhanging roof of the building are covered with red Spanish tiles. The building is 125 feet long, including the end porticos, with a depth of 45 feet, and 26 feet to the cornice line. The front vestibule opens to the main hall of the building. On either side of the entrance are stairways to the floor above. At the rear of the hall is a large onyx mantel, flanked by glass doors, leading to offices. At the ends of the hall are a men's smoking room and a women's reception room, each opening into an uncovered terrace, surrounded by a balustrade. On the second floor is the assembly room, extending the entire length of the building in the center. This room has a high vaulted ceiling, rising above an ornamented cornice. Over this cornice are rows of electric lights, giving a diffused light, by reflection from the vault above. On the ends of this assembly room are a reading and a writing room, which open to the hanging balconies on the ends of the building, forming one of the most attractive exterior features. Broad, low casement windows open from the assembly rooms to the front and rear balconies, the front one extending between the towers, 24 feet, and over the main entrance. The rear balcony extends along the entire length of the building. Staircases lead to the lanterns in the tower, where a fine view of the grounds is had.

CONNECTICUT.

Following are the members of the Connecticut State Board of Commissioners: Gov. L. B. Morris, President, New Haven; David M. Read, Vice-President, Bridgeport; Eugene S. Boss, Vice-President, Willimantic; J. H. Vaille, Executive Manager, Winsted; Wilbur B. Foster, Secretary, Rockville; George H. Day, Treasurer, New Haven; Edward T. Brown, New London; Clinton B. Davis, Higganum; Rufus E. Holmes, West Winsted; Charles M. Jarvis, East Berlin; Oscar I. Jones, Westport; S. W. Kellogg, Waterbury; Charles S. L. Marlbor, Brooklyn; Frank A. Mitchell, Norwich; Thomas R. Pickering, Portland; Milo B. Richardson, Lime Rock; George Sykes, Rockville; George F. Holcombe, New Haven.

State Board of Lady Managers: Mrs. George H. Knight, President, Lakeville; Mrs. Jabez H. Alvord, Winsted; Mrs. P. T. Barnum, Bridgeport; Miss Hattie E. Brainard, Willimantic; Miss Anna H. Chappell, New London; Miss Clementine D. Clark, Higganum; Mrs. Franklin Farrell, Ansonia; Mrs. A. R. Goodrich, Vernon; Mrs. Wealtha A. Hammond, Portland; Mrs. P. H. Ingalls, Hartford; Mrs. Cyril Johnson, Stafford; Miss Edith Jones, Westport; Miss Elizabeth T. Ripley, Norwich; Miss Lucy P. Trowbridge, New Haven; Mrs. E. T. Whitmore, Putnam; Mrs. Morgan G. Bulkeley, Hartford.

National Board Lady Managers: Miss Frances S. Ives, New Haven; Mrs. Isabella Beecher Hooker, Hartford. Alternates: Mrs. Amelia B. Hinman, Stevenson; Mrs. Virginia T. Smith, Hartford.

National Commission: Leverett Brainard, Hartford; Thomas M. Waller, New London. Alternates: Charles F. Brooker, Torrington; Charles R. Baldwin, Waterbury.

The Connecticut State Building is in the Colonial style, being a type of the Connecticut residence, with the addition of circular windows on the north and south, and a circular piazza on the rear. It has a ground area of 72x73 feet, including the piazza, and is two stories high. The exterior is weatherboarded and painted white. The roof contains five dormer windows and is decked on top. The deck is surrounded by a balustrade, and from its center rises a flag-staff. The main entrance is off a square porch, covered by the projecting pediment, which is supported by heavy columns. The interior is finished in Colonial style, with tiled floors, paneled walls and Dutch mantels. The plumbing and carpenters' hardware in the building are in special designs, and are donated as exhibits by Connecticut manufacturers. On the first floor is a reception hall, 21x48 feet, with a light-well in the center. In the rear of the hall is a stairway with a landing half-way up. Flanking the hall are parlors for men and women. The second floor is divided up into living rooms, and will be occupied by the executive World's Fair officer of Connecticut, and his family, during the Fair. The building cost \$15,000.

DELAWARE.

Following are the members of the Delaware State Board of Commissioners: Thomas B. Smith, President, Wilmington; George W. Emery, Vice-President, Seaford; William R. Allaband, Secretary, Dover; R. W. Reynolds, Treasurer, Frederica; Henry C. Conrad, Wilmington; Matthias T. Moore, Laurel; Mrs. Caleb Churchman, Wilmington; Miss Ida Bacon, Laurel; Mrs. Anna E. Hall, Dover; Gov. Robert J. Reynolds.

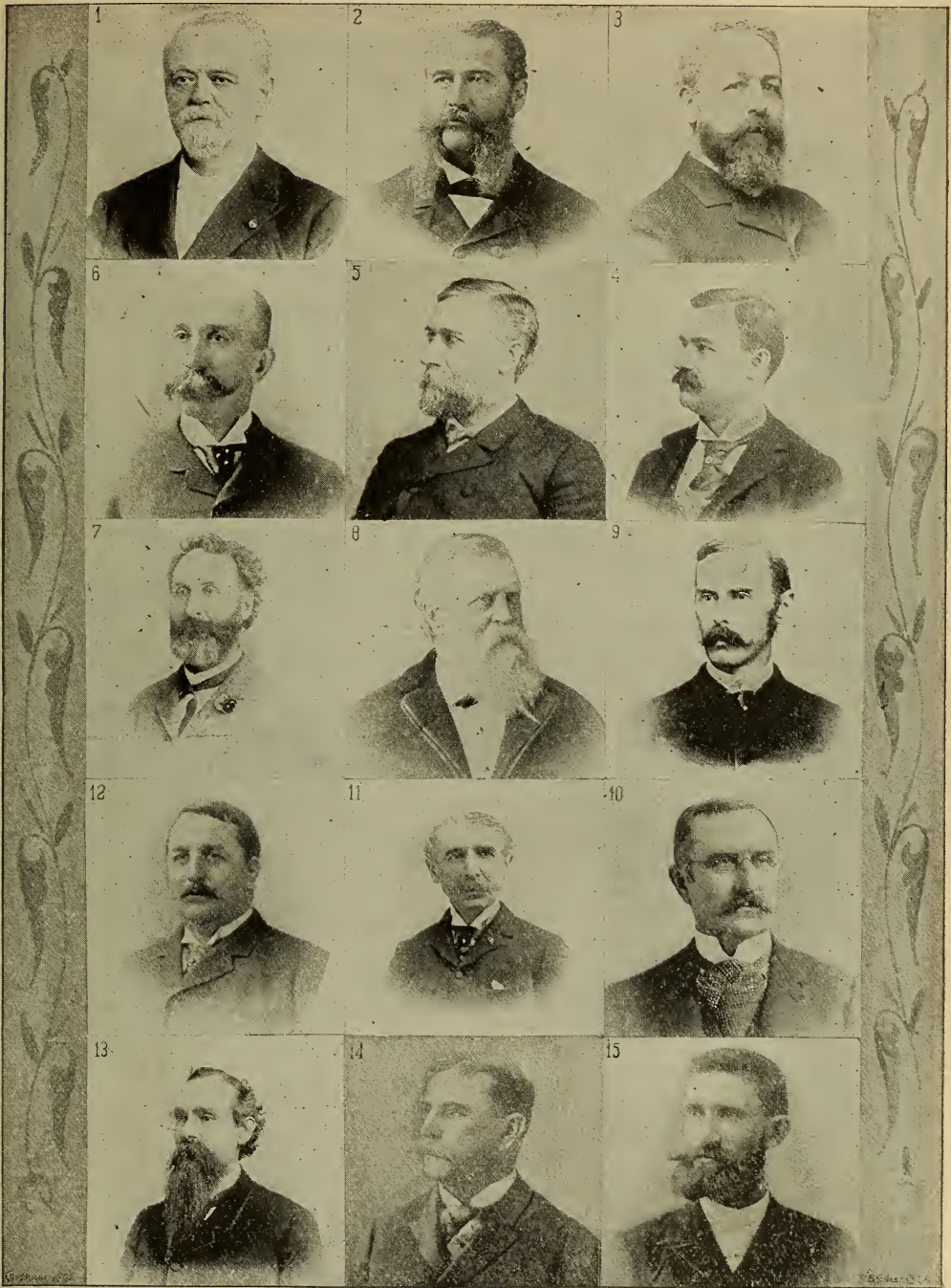
National Board Lady Managers: Mrs. J. Frank Ball, Wilmington; Mrs. Mary Kinder, Milford. Alternates: Mrs. Thomas F. Armstrong, Newark; Mrs. May Torbert, Milford.

National Commission: George V. Massey, Dover; Willard Hall Porter, Wilmington. Alternates: Charles F. Richards, Georgetown; William Saulsbury, Dover.

The Delaware State Building is constructed wholly of native woods and materials from the State, is 58x60 feet, and is very picturesque, elaborately furnished, and cost \$8,000. One room in the building is finished in Colonial style, with hangings and furniture representing the Colonial days. It is very interesting, there being figures in clay of the old Swedes' church at Wilmington, Barratt's Chapel, and Christ Church. Christ Church was built more than 100 years ago of heart pine. It is without a particle of paint and has the high backed pews, the chancel at one end, the servants' gallery at the opposite end, midway on the east side the lofty pulpit, and immediately below the reading desk, and the clerk's desk. The little State of Delaware was one of the first to show its loyal adherence to the Exposition. The first donation was \$10,000, followed later by a further sum of \$15,000.

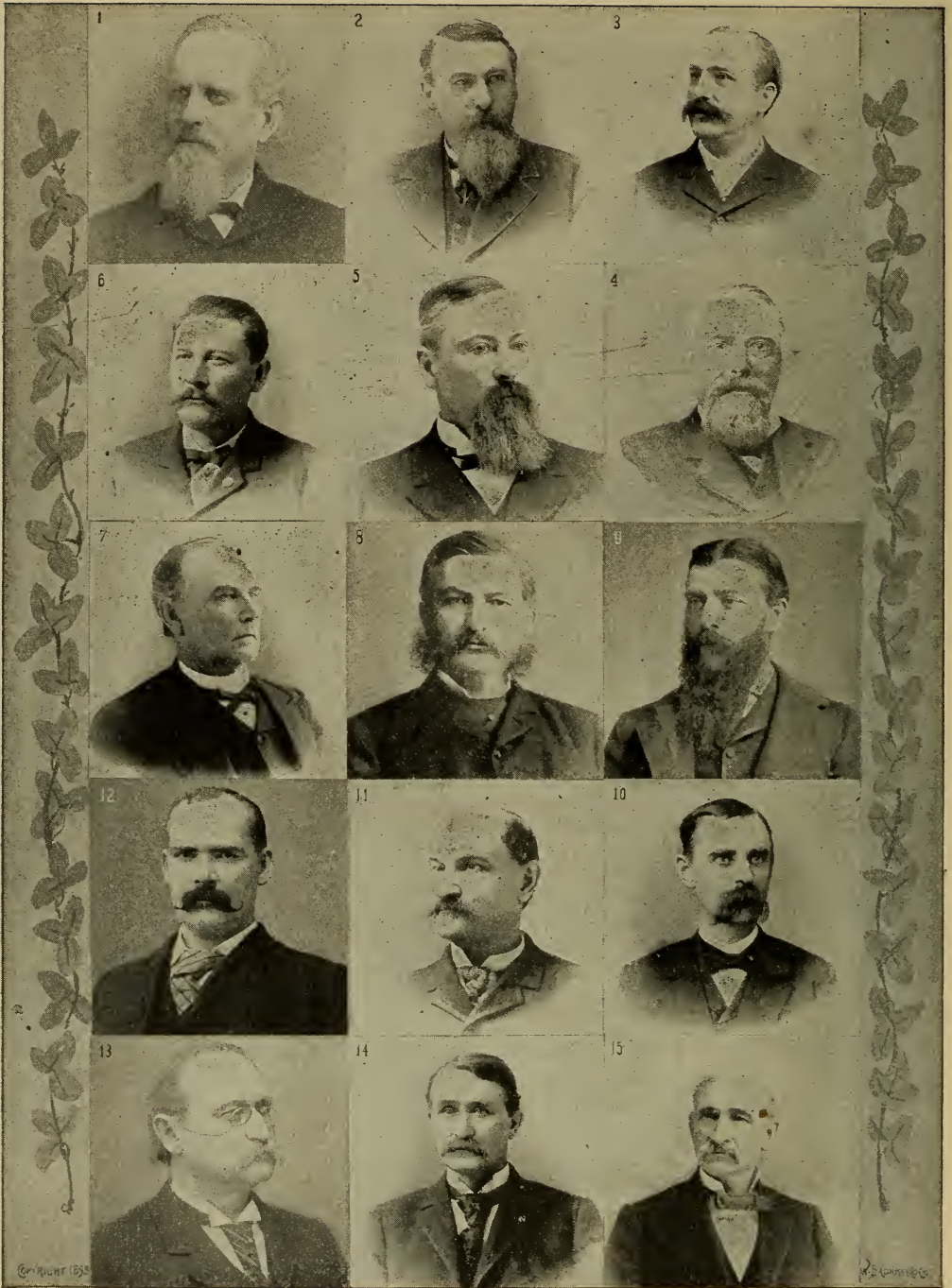
FLORIDA.

Following are the members of the Florida State Board of Commissioners: President and Executive Commissioner, Arthur C. Jackson, Jacksonville; Vice-Presidents, Gov. H. L. Mitchell, Ex-Gov. F. P. Fleming, Ex-Gov. W. D. Bloxham, Hon. Joseph Hirst, Hon. Jeff Browne, Hon. J. L. Gaskins; Secretary, Guy I. Metcalf, Dade County; Treasurer, J. T. Talbot, Duval county; Commissioners, E. P. Branch, Brevard county; J. F. Greer, Clay county; J. E. Grady, Franklin county; S. A. Jones, Hillsborough county; C. J. Huelsenkamp, Monroe county; Fred W. Hoyt, Nassau county; M. R. Marks, Orange county; R. E. Rose, Osceola county; J. A. Enslow, Jr., St. Johns county; Solon B. Turman, Superintendent Minerals; W. E. Knibloe, Superintendent Education.



ALTERNATE COMMISSIONERS WORLD'S COLUMBIAN COMMISSION.

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| 1. WM. E. McLEAN,
<i>Indiana.</i> | 2. CHARLES M. TRAVIS,
<i>Indiana.</i> | 3. DAVID N. COMINGORE,
<i>Kentucky.</i> |
| 6. CHAS. E. ADAMS,
<i>Massachusetts.</i> | 5. GEO. P. LADD,
<i>Massachusetts.</i> | 4. JNO. S. MORRIS,
<i>Kentucky.</i> |
| 7. ERNEST B. FISHER,
<i>Michigan.</i> | 8. LYMAN D. NORRIS,
<i>Michigan.</i> | 9. O. H. PICHER,
<i>Missouri.</i> |
| 12. LORILLARD SPENCER,
<i>Rhode Island.</i> | 11. JEFFREY HAZARD,
<i>Rhode Island.</i> | 10. R. L. McDONALD,
<i>Missouri.</i> |
| 13. E. KURTZ JOHNSON,
<i>District Columbia.</i> | 14. DORSEY CLAGETT,
<i>District Columbia.</i> | 15. W. L. VAN HORN,
<i>Arizona.</i> |



ALTERNATE COMMISSIONERS WORLD'S COLUMBIAN COMMISSION.

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| 1. G. A. BINGHAM,
<i>North Carolina.</i> | 2. LUCIUS C. CRON,
<i>Ohio.</i> | 3. ADOLPH PLETNER,
<i>Ohio.</i> |
| 6. LOCK MCDANIEL,
<i>Texas.</i> | 5. W. T. WRIGHT,
<i>Oregon.</i> | 4. J. L. MORROW,
<i>Oregon.</i> |
| 7. HY. B. ANDREWS,
<i>Texas.</i> | 8. ALDACE F. WALKER,
<i>Vermont.</i> | 9. A. J. SIBLEY,
<i>Vermont.</i> |
| 12. JOHN CORCORAN,
<i>West Virginia.</i> | 11. ALEX. McDONALD,
<i>Virginia.</i> | 10. CHAS. A. HEERMANS,
<i>Virginia.</i> |
| 13. WELLINGTON VROOMAN,
<i>West Virginia.</i> | 14. DAVID W. CURTIS,
<i>Wisconsin.</i> | 15. MYRON REED,
<i>Wisconsin.</i> |

National Board Lady Managers: Mrs. Mary C. Bell, Gainesville; Miss E. Nellie Beck, Tampa, Alternates: Mrs. Chloe M. Reed, Jacksonville; Mrs. H. K. Ingram, Jacksonville.
National Commission: C. F. A. Bielby, De Land; Richard Turnbull, Monticello. Alternates: Dudley W. Adams, Tangerine; Jesse T. Bernard, Tallahassee.

A miniature of old Fort Marion, in St. Augustine, has been reproduced in the Florida Building. The fort covers an area of one acre, and is, perhaps, the oldest structure in North America, the most interesting specimen of Spanish supremacy in this country, and the only example of mediæval fortification on the continent. Its erection was begun in 1620, and continued for 100 years. To equip it as a garrison, required 100 guns and 1,000 men. It was never taken by a besieging force. The State Building occupies one-fifth of the space of Fort Marion. It is in the form of a four-bastioned fortress. Including the moat, the site is 155 feet square. The building proper is 137 feet square. The frame is of pine, covered with plaster and coquina shells, in imitation of the original. The interior is divided into parlors for men and women, committee and exhibit rooms, and is furnished in Florida's native woods. The interior court is planted in bamboo, orange, lemon and other tropical trees. The ramparts furnish space for promenades and hanging gardens. In the moat is a sunken garden, where are produced miniature fields of cotton, sugar, rice, tobacco, etc., showing the natural resources of the state. The cost of the structure is \$20,000.

GEORGIA.

National Board Lady Managers: Mrs. William H. Felton, Cartersville; Mrs. Charles H. Olmstead, Savannah. Alternates: Miss Metta T. McLaws, Augusta; Mrs. George W. Lamar, Savannah.

National Commission: Lafayette McLaws, Savannah; Charlton H. Way, Savannah. Alternates: C. C. Sanders, Savannah; John W. Clark, Augusta.

The Georgia Legislature failed to make an appropriation, consequently that State has no building nor Board of State Commissioners.

IDAHO.

Following are the members of the Idaho State Board of Commissioners: James M. Wells, Executive Commissioner, Boise City; Alliene Case, Assistant Commissioner; C. M. Sain, Secretary, Boise City. Commissioners by counties: Ada County: Mrs. T. E. Logan, Boise City; A. T. Thomas, Boise City. Alturas County: John Worswick, Smoky; Arthur Smith, Hailey; Mrs. E. B. True, Hailey; I. I. Lewis, Ketchum. Bannock County: Mrs. J. M. Bennett, Dear Lake County; Hon. J. L. Underwood, Montpelier; Mrs. M. J. Whitman, Montpelier; Walter Hoge, Paris. Bingham County: E. P. Henry, Idaho Falls; F. M. Morrill, Soda Springs; Mrs. Carrie Eastman, Soda Springs; Mrs. E. E. Calvin, Pocatello; Mrs. E. E. Givens, Blackfoot. Boise County: G. Watts, Idaho City; Mrs. D. E. Coughanour, Quartzburg. Canon County: A. E. Gipson, Cassia County; A. B. Roberts, Albion; Mrs. E. J. Stokes, Albion. Custer County: C. C. Clawson, Boñanza; Mrs. C. C. Clawson, Bonanza. Elmore County: Mrs. M. J. Bearby, Mountain Home; C. C. Glenn, Glenn's Ferry. Idaho County: Dr. S. E. Biby, Grangeville; Miss Maggie Robinson, Grangeville. Kootenai County: Jay Rand Sanburn, Coeur d'Alene City; Monroe Daggett, St. Maries; S. B. Wright, Bonner's Ferry; Mrs. G. A. Manning, Post Falls; Miss Jessie M. Kanouse, Rathdrum; H. M. Jorgens, Hope; Mrs. Emma J. Clarke. Latah County: Mrs. J. H. Forney, Moscow; Thos. Kirby, Kendrick. Lemhi County: Mrs. Ada Morrill, Salmon City. Logan County: Captain J. A. Lusk, Bellevue; Captain A. S. Senter, Shoshone; Mrs. W. H. Broadhead, Nez Perce County; M. J. Wessels, Lewiston; Miss Sadie E. Poe, Lewiston. Oneida County: Wm. B. Thews, Malad City. Owyhee County: E. H. Dewey, Silver City. Shoshone County: Robert Neill, Wallace; Dr. A. O. Ingalls, Murray. Miss Nellie Smith, Kingston; W. F. Mann, Wallace. Washington County: V. D. Hannah, Weiser; Levi Allen, Salubria; Mrs. Olivia Allen, Salubria.

National Board Lady Managers: Mrs. Anna E. M. Farnum, Hauser Junction; Mrs. J. C. Straughan, Boise City. Alternates: Mrs. Louise L. Barton, Moscow; Mrs. Ella R. Miller, Blackfoot.

National Commission: George A. Manning, Post Falls; John E. Stearns, Nampa. Alternates: A. J. Crook, Hailey; John M. Burke, Wardner.

The territory embraced within the limits of the young State of Idaho, though traversed by many beautiful and fertile valleys, is in the main a mountainous region, its mean elevation being about 4,700 feet. In fact, from the beauty and grandeur of its mountain scenery it was named, quite appropriately, Idaho, "The Gem of the Mountains." Its numerous streams are bordered by dense forests of valuable timber, and the developments of recent years have discovered

that its mountains are rich in precious metals. Though the State has made rapid strides in recent years in the matter of general improvement, the log cabin of the pioneer is still a familiar scene, and the forests and hills still abound in wild game. In designing and decorating Idaho's building for the World's Columbian Exposition, an effort was made to give some expression to the characteristics above referred to, to exemplify in a measure some of the chief products of the State, and to suggest some of its interesting features. All of the materials used in the construction of the building are products of Idaho, and nearly all of the decorations were there obtained. The general style of architecture is Swiss, modified in so far as was necessary to adapt it to the materials to be used in the construction and to illustrate local conditions. The building, the foundation of which is of basaltic rock and lava, is a three-story log cabin made of stripped cedar logs, stained to the appearance of weather-beaten age. It is generously supplied with Swiss balconies averaging ten feet in width, which extend around three sides of the structure on the second floor, and across the front and rear of the third floor. The roof extends on all sides ten feet beyond the building line, and is covered with shakes held in place by rocks, while the chimneys are large and roughly stuccoed to imitate in appearance the chimneys of real pioneer days. The outside dimensions of the building, including balconies and roof, are 70x90; the foundation, 53x93. One enters the building through a stone arch, into a passage way, 10x35, leading to a large central hall, 16x34, at the end of which is a stone fire-place with log mantel. The remainder of this floor is divided into two offices, 14x16, two sleeping apartments, 15x16, and two toilet rooms, 22x26. From the central hall one proceeds by a stairway, on either side of the fire-place, to the upper hall, 18x48½, opening into which, from the front, is the women's reception room, 24x48½, representing a miner's cabin, the fire-place of which is made of metaliferous rock, and the andirons, door latches, etc., are made in imitation of miner's tools. At the rear of the hall is the men's reception room, 27x48½, a hunter's and trapper's cabin, the fire-place of which is of Idaho lava, the andirons made of bear traps and fish spears, the other hardware therein representing Indian weapons, arrows, etc. The entire third floor is one large hall, 48½x50½, intended for special receptions, and contains such articles as ornament the room as well as represent interesting features of the State. The cost of the building is \$30,000.

ILLINOIS.

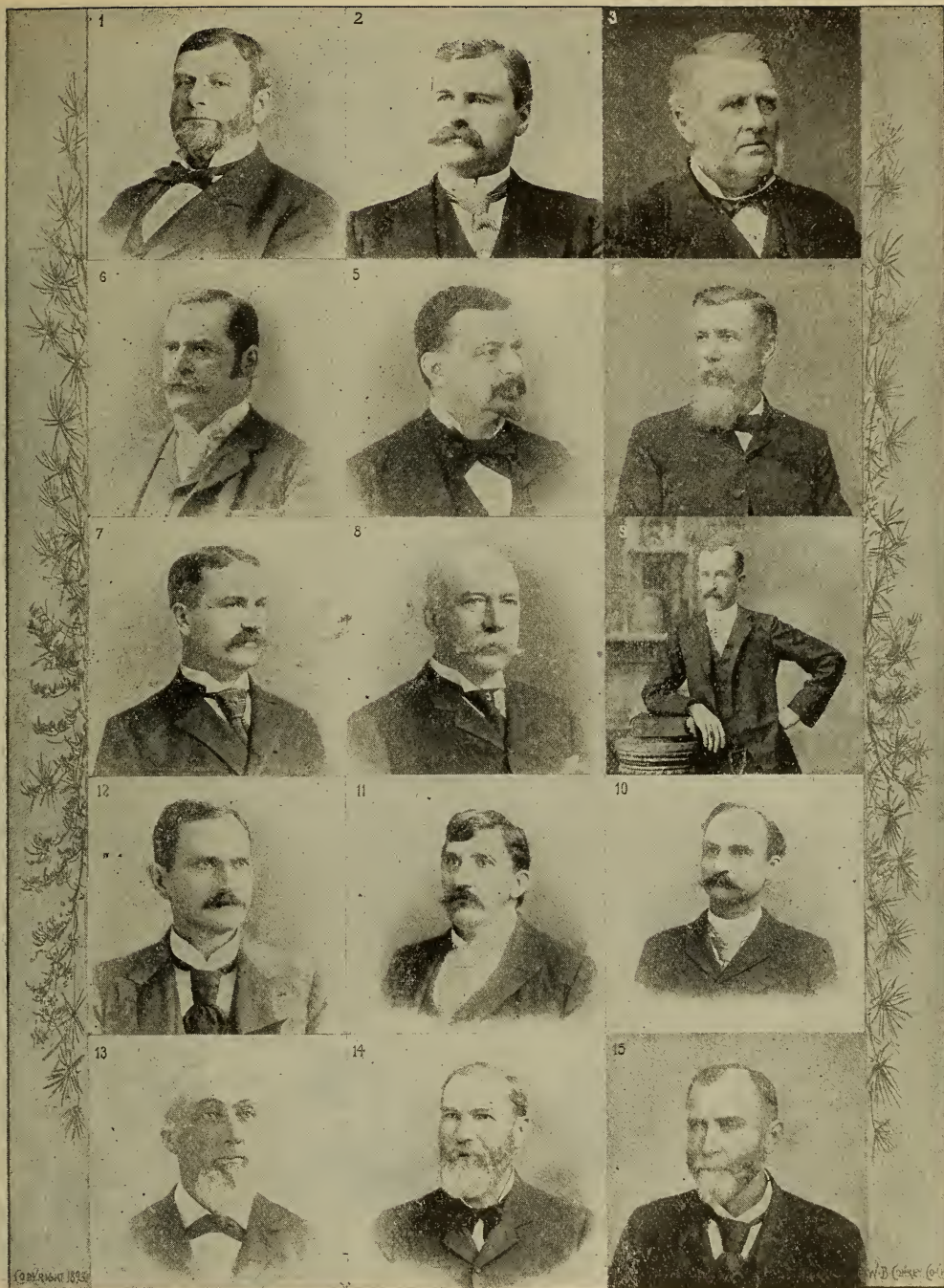
Following are the members of the Illinois State Board of Commissioners: La Fayette Funk, President, Shirley; David Gore, Vice-President, Carlinville; Wilson C. Garrard, Secretary Chicago; John W. Bunn, Treasurer, Springfield; John P. Reynolds, Director-in-Chief, Chicago; Daniel H. Paddock, Attorney, Kankakee; J. Irving Pearce, Chicago; J. Harley Bradley, Chicago; Wm. Stewart, Chicago; Byron F. Wyman, Sycamore; A. B. Hostetter, Mt. Carroll; Samuel Dysart, Franklin Grove; W. D. Stryker, Plainfield; John Virgin, Fairbury; D. W. Vittum, Canton; E. B. David, Aledo; W. H. Fulkerson, Jerseyville; J. W. Judy, Tallula; S. W. Johns, Decatur; E. E. Chester, Champaign; James K. Dickirson, Lawrenceville; Edward C. Pace, Ashley; B. Pullen, Centralia; J. M. Washburn, Marion.

Illinois Woman's Exposition Board: Mrs. Marcia Louise Gould, President, Moline; Mrs. Robert H. Wiles, Vice-President, Freeport; Miss Mary Callahan, Secretary, Robinson; Mrs. Richard J. Oglesby, Elkhart; Mrs. Francis L. Gilbert, Chicago; Mrs. Francine E. Patton, Springfield; Mrs. Isabella Laning Candee, Cairo; Mrs. Frances Welles Shepard, Chicago.

Residents of the city of Chicago appointed by President of the World's Columbian Commission: Mrs. Bertha M. Honroe Palmer, Lake Shore Drive; Mrs. Solomon Thatcher, Jr., River Forest; Mrs. James A. Mulligan, 190 Pine street; Frances Dickinson, M. D., 70 State street; Miss Sarah T. Hallowell, Palmer House; Mrs. George L. Dunlap, 328 Dearborn avenue; Mrs. L. Brace Shattuck, 5900 Woodlawn avenue; Mrs. Annie C. Meyers, Great Northern Hotel; Mrs. M. R. M. Wallace, 3817 Michigan avenue; Mrs. Myra Bradwell, 1428 Michigan avenue; Mrs. James R. Doolittle, Jr., 24 Groveland Park; Mrs. Matilda B. Carse, 145 Ashland boulevard; Martha H. Ten Eyck, 5704 Madison avenue; Mrs. Margaret Isabelle Sandes, Ravenswood, Ill.; Mrs. Leander Stone, 3352 Indiana avenue; Mrs. Gen'l A. L. Chetlain, 543 No. State street; Frances E. Willard, Evanston, Ill.

National Board Lady Managers: Mrs. Richard J. Oglesby, Elkhart; Mrs. Frances W. Shepard, Chicago. Alternates—Mrs. Marcia Louise Gould, Moline; Mrs. I. L. Candee, Cairo.

National Commission: Charles H. Deere, Moline; Adlai T. Ewing, Chicago. Alternates: La Fayette Funk, Shirley; De Witt Smith, Springfield.



ALTERNATE COMMISSIONERS WORLD'S COLUMBIAN COMMISSION.

- 1. LA FAYETTE FUNK,
Illinois.
- 6. P. J. McMAHON,
Louisiana.
- 7. GEORGE M. UPSHUR,
Maryland.
- 12. JOSEPH H. BRINKER,
Mississippi.
- 13. ENOCH STROTHER,
Nevada.

- 2. DE WITT SMITH,
Illinois.
- 5. ALPHONSE LE DUC,
Louisiana.
- 8. DANIEL E. CONKLING,
Maryland.
- 11. FRED W. COLLINS,
Mississippi.
- 14. RICHARD RYLAND,
Nevada.

- 3. M. D. HENRY,
Kansas.
- 4. S. H. LANYON,
Kansas.
- 9. THOMAS C. KURTZ,
Minnesota.
- 10. MURET N. LELAND,
Minnesota.
- 15. H. C. CARTER,
North Carolina.



LADY MANAGERS, RESIDENTS OF GHICAGO.

- | | |
|-------------------------------|---------------------------------|
| 1. MRS. POTTER PALMER. | 2. MRS. SOLOMON THATCHER, JR. |
| 3. MRS. JAMES A. MULLIGAN. | 4. FRANCIS DICKINSON, M. D. |
| 6. MRS. MYRA BRADWELL. | 7. MRS. JAMES R. DOOLITTLE, JR. |
| 9. MARTHA H. TEN EYCK. | 10. MRS. MARGARET I. SANDERS. |
| 12. MRS. GEN. A. L. CHETLAIN. | 13. FRANCES E. WILLARD. |
| | 5. MRS. M. R. M. WALLACE. |
| | 8. MRS. MATILDA B. CARSE. |
| | 11. MRS. LEANDER STONE. |

By far the most pretentious of the structures erected by the several States of the Union stands the Illinois State Building, Being in a sense the host at the Exposition, it was deemed not only proper but requisite that Illinois should make such appropriation and provide such a building as would enable her to perform creditably the duties of that office. The State appropriated \$800,000 and the building cost \$250,000.

Situated on a high terrace, in one of the most favored spots in Jackson Park, the Illinois Building commands, for nearly a mile to the southward, a view of the beautiful waterway which encircles the great island. The building in the main is 160 feet wide by 450 feet long. On the north, Memorial Hall forms a wing 50 by 75 feet, and on the south another wing, 75 by 123 feet and three stories high, accommodates the executive officers, and in the third story two public halls. The side walls are 47 feet high, while the south wing is 72 feet and the ends 54 feet. Surmounting the building at the center a fine dome, 72 feet in diameter, rises to a height of 235 feet. The building is constructed almost wholly of Illinois material—wood, stone, brick and steel—and is covered with staff artistically treated. The grand entrance faces the waterway to the south, while at the west and north ends are others scarcely less imposing. In front of the entrances are beautiful terraces with balustrades, statues, fountains, flowers, and stone steps leading down to the roadways and lagoon landings. The building is embellished with fine carving and statuary. It is thoroughly lighted, first from the side windows, which are placed about fourteen feet above the floor to permit cases to be placed against the walls; second, with skylights placed in the flat roof of the side aisles; and third, with continuous skylights on the ridge of a pitched roof or nave. Ventilation is provided for through windows placed a story above the flat aisle roof and the foot of the sloping roof over the nave. The interior of the structure is appropriately and beautifully ornamented. Memorial Hall, which is fireproof, has a gallery encircling it, and contains a large and interesting collection of relics and trophies of the war and other periods—all owned by the State. There are also spacious galleries from which an excellent survey of the main exhibit hall may be taken. One feature of the Illinois Building which is sure to attract much attention, consists of five model common-school rooms, of high grade, fully equipped and furnished, under the direction of the State Superintendent of Public Instruction. Here may be seen an illustration of the methods and results of educational work as pursued in the normal universities, the public, technical and art schools, and the high schools of the State; an exhibit by the University of Illinois of the equipment, methods of instruction and achievements of that institution in its several departments, and an exhibit of the educational and industrial work as conducted in the State charitable institutions. There are no competitive exhibits in the Illinois Building. These are distributed in their proper places in the several Exposition structures. The Illinois Building contains a "collective departmental exhibit for the State, which shall illustrate its natural resources, together with the methods employed and results accomplished by the State in its municipal capacity through its several departments, boards, commissions, bureaus and other agencies in the work of promoting the moral, educational and material welfare of its inhabitants so far as such methods and results are susceptible of exhibition." There are also collections, correctly classified and labeled, illustrating the natural history and archæology of the State; an exhibition by the State Fish Commission of native and cultivated live fish, with hatchery and appliances and equipments for transportation, models of fishways in use; a special collection of the cultivated products in the several branches of agriculture, architectural drawings (with elevations) of every public building erected and now used or maintained in whole or in part by the State; also maps, charts, diagrams and tables conveying full and accurate information relative to Illinois and its resources. The topographical maps of the State are sure to claim much attention. To the women of Illinois was granted \$80,000, or one tenth of the entire appropriation, and also one-tenth

of the space in the building. The visitor will doubtless be intensely interested in observing how creditably the women of the State have improved the exceptional opportunity thus afforded them.

Nearly the entire State exhibit is confined to the Illinois Building. Excepting agriculture and floriculture, the exhibit is not represented in the various departments, except where private showings are made. It is the only State which follows the example of the Federal Government.

The east wing of the building is occupied by the Illinois Board of Lady Managers, the north wing is used as a memorial hall and the rest of the structure is devoted to the State exhibit. This is a collective departmental exhibit illustrating the natural resources of the State with the method employed and the results accomplished by every branch of the State government.

A prominent place is given to educational methods, and it may not be out of place here to say that Illinois votes more money for the purposes of education than any other State in the Union. Visitors to the Exposition will see illustrated just how this money is expended. The State Blind Asylum at Jacksonville maintains a permanent exhibit. There are twelve pupils always at work in the building, each one at a different occupation, to illustrate the variety of branches taught. An expert type-writer from the school, operates a machine, and it is just the same as in common use, without raised letters. Some of the most rapid operators in the country are blind and educated by the State.

Under the direction of Dr. Raab, State Superintendent of Public Instruction, one room is fitted up as a model school-room of the high grade. As an illustration of the methods and results of educational work of the State the department shows by models the comparison between the smallest school in the rural districts and the city school of the highest grade and by comparison the progress made in the forty-one years of statehood. One of the galleries is given up to books and charts showing the progress of the work and the number of children taught each year. This is also done with the two normal schools of the State. The State is proud of the University of Illinois, and this institution has been given a very large share of the educational space. It has in all twelve departments, and the work in each is shown. Particular attention is paid to the departments of civil and electrical engineering and the tools used in each. The achievements of the university are shown by charts, and architectural plans explaining the proposed work are exhibited. From the experiment station which the State maintains in conjunction with the Federal Department of Agriculture was sent the results of the various trials which have been successful and those which have failed. The idea of sending the failures is that they may act as an educational exhibit for the benefit of those interested in the science of agriculture as well as to show wherein it has failed and invite conference as to the probable cause of the failure.

The agricultural exhibit of the State is very large, for this is one of the banner agricultural States of the Union. Illinois, with the exception of California, is the largest State in the Union running north and south. California has an equable climate, while Illinois, being mid-continental and subject to no influence by large bodies of water, is subject to all the winds that blow, from a semi-tropical breeze at Cairo to a semi-arctic blizzard at Chicago. This naturally gives the State a much larger variety of climate than many others. The exhibit of these resources showing the widely different conditions of the State are classified into agriculture, horticulture and floriculture. Each department has a full and complete exhibit and it starts in with the earliest products at the extreme south. As the season advances the commissioners will place on tables the largest products of the two, the farm and the flower garden. These will be renewed every week so that the exhibits will always have a fresh look and on that account be more attractive.

This State fixes the standard of grain for the world and under the direction of the State Grain Inspection Department the Commissioners illustrate the entire

system of inspecting grain as established by the Railroad and Warehouse commission. Samples of all the known standards are given.

The natural history and archaeological display is very extensive and complete. It includes the State's stratigraphical and economic geology. Large glass cases are filled with its soil and subsoil taken from different localities, as well as the useful clays and ores and all products of the mines and quarries. This, in company with illustrations of the State's botany and zoology, occupy a large pavilion in the west wing opposite the forestry section. On first thought many people may think that Illinois has no forestry, but that is an error. The prairies which are so productive in the growth of grain also grow trees, and arboriculture has become a strong industry. A rustic pavilion has been made of all the different woods grown in the State, and the specimens furnishing material for the pavilion have been selected specially with a view to the exhibit feature of its construction. Inside the pavilion are finished samples, showing the varied uses to which the woods of the State are put, and the collective display will surprise the people who imagine the soil of the State will raise nothing but corn-stalks. When it comes to corn-stalks, though, Illinois is somewhere very near the head of the procession. In the northwest corner of the building is a pavilion built of stalks. The uprights were grown in a cornfield and the very roof is a thatch of stalks. All the decoration is typical, from the silky tassels that serve for frieze and dado, to the corn in the ear, arranged in fantastic designs and color combinations. The smallest pop-corn nubbin and the biggest ear of river bottom corn are in the aggregation.

The State Fisheries Department is also well represented. The commissioners show in four large tanks all the native and propagated fish alive, together with the hatcheries system and the appliances used in transportation.

In the very center of the building is the great relief map of the State cast in plaster of Paris. It is made on a scale of two miles to the horizontal inch and 500 feet to the vertical inch. That gives it a length of seventeen feet, width nine feet. It has taken fourteen engineers nearly a year to prepare the drawings, but it is of great value because of its topographical accuracy. Among other things the new map shows that the best map in existence before this was begun had 1,382 errors and discrepancies.

The north wing of the building is used as a memorial hall. All of the relics of the State are shown there, including the flags carried by the State soldiers during the late Civil War.

Of the original appropriation of \$800,000 of the State to meet the expenses of the exhibits and building, the Woman's Board got \$80,000. They occupy the east wing of the building and display a great variety of things from the model farm of the State, which is owned and operated by a woman, to industrial and art works. The women of the State have responded promptly to the call for specimens of this work of every nature, and the rooms are filled with paintings, relics and the manufactured products.

From the exhibit made by the Illinois Women's Board three objects have been attained: First, the board shows to the world samples of the work done by the women of Illinois; second, Illinois women see the best methods and results in all the common and everyday duties of life; and, third, the exhibit familiarizes the women of the State with the new avenues of activity and the broadening opportunities for self-advancement and self-support opened to them.

In order to accomplish this great task efficiently the board was organized with Mrs. Gould as president, Mrs. Robert W. Wiles, of Freeport, as vice-president, and Miss Mary Callahan, of Robioson, as secretary. The work was subdivided and attended to by the following committees:

Committee on Literature, including books, newspapers and magazines, Mrs. Francis L. Gilbert, of Chicago, Chairman.

Historical and Scientific Collections, Miss Callahan, Chairman.

Decorative Art, including ceramics, wood-carving, plain and ornamental needle work, Mrs. H. H. Candee, of Cairo, Chairman.

Fine Art, including sculpture, oil and water colors, etchings and pastels, Mrs. Henry M Shepard, of Chicago, Chairman.

Domestic Science, including pantry stores, model kitchen and dining-room, Mrs. Richard J. Oglesby, of Elkhart, Chairman.

Practical Arts, including inventions, designs and manufactures, Mrs. Wiles, Chairman.

Educational, Charitable, and Professional Work, Mrs. Francione E. Patton, of Springfield, Chairman.

Music and Dramatic Art, Mrs. Gould, Chairman.

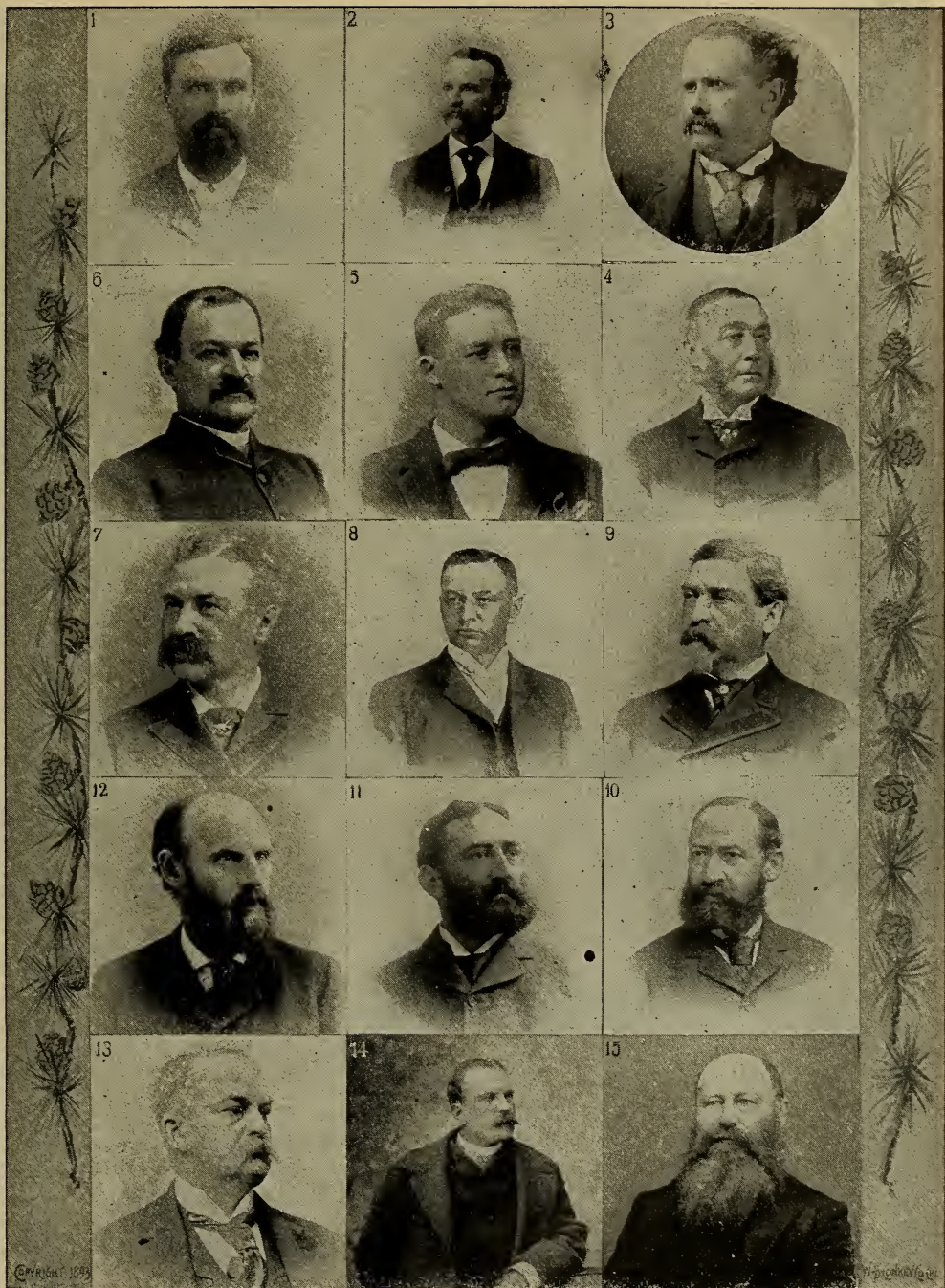
Clubs were formed in every county in the State, which had the effect of arousing enthusiasm in the State exhibit. The part of the Illinois Building assigned to women has been handsomely decorated by paintings, plastic reliefs, etc., by several of the accomplished women artists of the State. The artists assisting were:

Miss Caroline D. Wade, Mrs. Marie K. Lusk, Miss Helen B. Gregory, Miss Alice D. Kellogg, Miss Pauline A. Dohn, Miss Anna W. Jones, Mrs. Mary F. Means and Miss D. Gerow.

In the library has been placed the volumes written by Illinois women. Names of more than 150 Illinois authors appear in the collection.

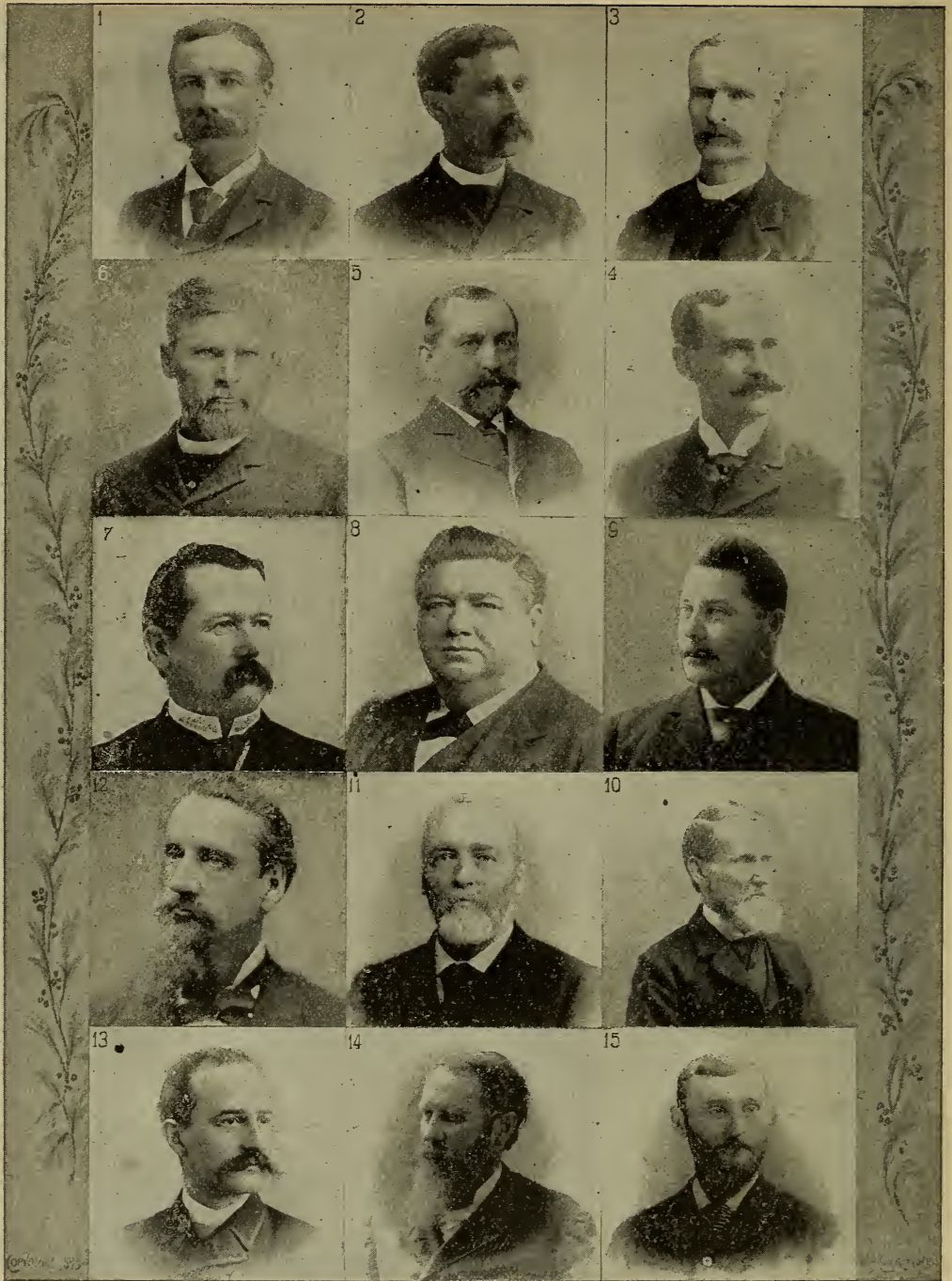
The Historical and Scientific Committee makes an exhibit contrasting the work and manner of life of the women in the first years of the State's existence with that of the present, and shows the advance made. This is done by means of relics of different kinds, articles worn in early times, books and pictures. Kaskaskia, the oldest town in the Mississippi valley and first capital of the State, was rich in relics to any one who would seek for them in old garrets or warehouses. Many articles which have been preserved with care were, through the earnest solicitation of Miss Callahan, secretary of the committee, finally secured for the Illinois exhibit. They had been sought for the Centennial and New Orleans and Paris expositions, but never before have they been exhibited. One of the oldest and most interesting relics is the bell taken from the church of the old Catholic mission. It still hangs in the church tower, but is never used. The mission was established by Father Marquette, who preached the first sermon to the Indians. In 1782 Father Gravier built the first church. The interior of the present church is that old mission structure, made modern by improvements, but still left intact. The silver service, bell, vestments and pictures were presented by the King of France, Louis XIV. The bell is inscribed: "To the Church of Illinois." On the opposite surface is the cross. The old hotel in which Lafayette was banqueted still stands, and one part of it is used as a dwelling. From the room used as the banquet hall in 1825 a carved ebony mantel has been taken out and placed in the exhibit, with the brass andirons that were used in the fireplace; also several pieces of china from the same house. Portraits of the first executive and his wife, Governor and Mrs. Bond, are in the collection, which are loaned by their grandson; the old family Bible, a silver ladle, and a silver urn made from coin given by the soldiers from old Fort Vincennes to the servants for milk, butter and eggs. The house is entirely gone, and where it stood now flow the waters of the Kaskaskia. The grandson of old Pierre Minard, who was first lieutenant-governor, made a valuable loan. The old gentleman lived in princely style. All the furniture of his mansion was bought in France. In the collection is a cherry table, a mahogany bureau with swell front and plain columns, and a pier glass from the carved ebony mantel. A picture of the house in which the first legislature was held will be shown. It was the first brick house in the Mississippi valley, and the bricks were brought from Pittsburg on flatboats down the Ohio and up the Mississippi. Sangamon county sends many interesting things from the Lincoln home. Among them is the table cloth used at the wedding breakfast of Lincoln, and now preserved by a niece of Mrs. Lincoln. Also the ball dresses worn by Mrs. Lincoln at the first and second inaugural balls. Jo Daviess county sends the saddle in which Grant rode during the war, and the lantern he carried with his equipments.

In the scientific department Miss Nettie Ayers, who is assistant in the University of Illinois at Champaign and the only woman bacteriologist, has a work-



ALTERNATE COMMISSIONERS WORLD'S GOLUMBIAN COMMISSION.

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| 1. TIMOTHY E. COLLINS,
<i>Montana.</i> | 2. WM. S. HALL,
<i>Alabama.</i> | 3. JOS. W. McNEAL,
<i>Oklahoma.</i> |
| 6. RUSH STRONG,
<i>Tennessee.</i> | 5. S. A. RAMSAY,
<i>South Dakota.</i> | 4. JAS. ROOSEVELT,
<i>New York.</i> |
| 7. WM. L. MAY,
<i>Nebraska.</i> | 8. JNO. LAUTERBACH,
<i>Nebraska.</i> | 9. JAS. H. BRESLIN,
<i>New York.</i> |
| 12. ASA S. MERCER,
<i>Wyoming.</i> | 11. CHAS. B. EDDY,
<i>New Mexico.</i> | 10. GEO. A. MACBETH,
<i>Pennsylvania.</i> |
| 13. JOHN K. HALLOCK,
<i>Pennsylvania.</i> | 14. LOUIS C. FETERD,
<i>New Mexico.</i> | 15. DUDLEY W. ADAMS,
<i>Florida.</i> |



ALTERNATE COMMISSIONERS WORLD'S COLUMBIAN COMMISSION.

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| 1. CHARLES CRANE,
<i>Utah.</i> | 2. CLARENCE B. BAGLEY,
<i>Washington.</i> | 3. JOHN J. McCORMICK,
<i>Wyoming.</i> |
| 6. GEO. F. CUMMIN,
<i>Washington</i> | 5. CHAS. F. BROOKER,
<i>Connecticut.</i> | 4. FRANK E. KALEY,
<i>New Hampshire.</i> |
| 7. JOHN W. CLARK,
<i>Georgia.</i> | 8. J. M. TINDAL,
<i>South Carolina.</i> | 9. H. H. LOGAN,
<i>Arizona.</i> |
| 12. RUSS D. STEPHENS,
<i>California.</i> | 11. JOHN HAYES,
<i>Iowa.</i> | 10. CLARK S. EDWARDS,
<i>Maine.</i> |
| 13. FRED'K S. FISH,
<i>New Jersey.</i> | 14. WM. M. FERRY,
<i>Utah.</i> | 15. CHAS. H. STANLEY,
<i>North Dakota.</i> |

ing exhibit. She will separate the microbes from water and vegetables, and show the practical working of this department.

Six statues in staff have been placed on the wall space between the lofty windows in the main exhibit gallery. The statues are eight feet in height, representing heroic size, and illustrate Faith, Justice, Maternity, Art, Charity and Literature. The six women sculptors who did this work are, Mrs. Ellen Copp, Miss Taft, Miss Bessie O. Potter, Miss Caroline Brooks, Miss Scudder and Miss Bracken.

A kindergarten department will be conducted in the large room at the east end of the building, and the management has been placed in the hands of the Chicago Froebel and Free associations. The plan arranges for a kindergarten to be conducted during the six months of the Exposition as a part both of the educational exhibit and the women's exhibit of the State of Illinois in the State Building. The class will number fifty children, to be cared for by a director and two paid assistants. The daily session will occupy the morning hours. Some person competent to answer questions relative to the philosophy of the kindergarten will be present both during and after the session. Further instruction will be furnished by an afternoon course of talks or lectures.

Other departments of interest in which many women are engaged have exhibits, such as the work of women farmers; an exhibit of designing; specimens of wall-paper, textile fabrics, stained glass, embossed leather executed by women. Beside these two hundred and eighty-four patents have been issued to Illinois women. A complete set of copies of all these patents, together with models of as many of them as are given inventors, are shown in the exhibit.

The fish exhibit of the State is also made in the Illinois Building, the collection comprising about one hundred and thirty-nine species of fish. They are all suspended by a silken cord in glass jars of alcohol. The collections of darter and minnows is very interesting and they range in size, full grown, from one inch to six inches, comprising about thirty-two species. There are eleven species of cat-fish, including four species of stone-cats. One species, the gambusia, brings forth its young alive. This fish is found in the southern portion of the State. An odd looking specimen is the mufflejaw. It has a thick, knotty looking head and puffed-up jaws. This fish attains the length of five inches. It is found principally in the southern part of the State. The spoon-bill or shovel-cat has a broad, flat upper mandible which projects forward about the length of the rest of its body. This species is found in the lakes and large rivers.

INDIANA.

Following are the members of the Indiana State Board of Commissioners: Gov. Claude Mathews, Indianapolis; Clem. Studebaker, President, South Bend; Charles B. Stuart, Vice-President, La Fayette; William B. Roberts, Secretary, Indianapolis; Fred J. Hayden, Treasurer, Fort Wayne; B. F. Havens, Executive Commissioner, Terre Haute; Robert Mitchell-Princeton; Philip W. Frey, Evansville; Joseph Wilson, Washington; Royal E. Purcell, Vincennes; Jasper Packard, New Albany; Sidney Conger, Flat Rock; Cortez Ewing, Greensburg; Edward Hawkins, Indianapolis; Daniel H. Davis, Knightsville; John G. Dunbar, Greencastle; D. J. Mendenhall, Westfield; J. V. Sweetser, Marion; J. M. Westcott, Richmond; Thomas Hart, Muncie; W. N. Hailman, La Porte; B. F. Louthain, Logansport; J. B. White, Fort Wayne; John L. Campbell, Crawfordsville; John B. Conner, Indianapolis; V. K. Officer, Volga; S. S. Gorby, Indianapolis; W. A. Peele, Jr., Indianapolis; Mrs. May Wright Sewell, Indianapolis; Mrs. S. S. Harrell, Brookville; Mrs. Laura D. Worley, Ellettsville; Mrs. E. P. Hammond, Rensselaer.

National Board Lady Managers: Miss Wilhelmine Reitz, Evansville; Mrs. Virginia C. Meredith, Cambridge City. Alternates: Miss Susan W. Ball, Terre Haute; Miss Mary H. Krout, Crawfordsville.

National Commission: Thomas E. Garvin, Evansville; Elijah B. Martindale, Indianapolis. Alternates: William E. McLean, Terre Haute; Charles M. Travis, Crawfordsville.

The Indiana Building is one of the most attractive, convenient and comfortable of all the State buildings. In the matter of space, Indiana has secured good sized sections in all the main buildings. The State building is situated north of the Woman's building and next to the building of Wisconsin. From the western veranda the hoosier visitors may enjoy a beautiful view of the

wooded islands, the lagoon, the Illinois Building and nearly all the main structures. It is French Gothic in design with cathedral windows, turrets and towers. Two large towers with spires, one at either side raising above the roof of the extreme point, are about 150 feet from the ground. The dimensions, including a veranda 20 feet wide with two floors extending entirely around the building, are 53x152 feet; height three stories and general appearance very massive. The towers are constructed of Colitic limestone brought from the Indiana quarries. The building is covered with staff. The entrance steps, balustrades and doorways are of handsome carved patterns of stone and make a fine display. The lower story floor is enaustic tile of handsome pattern. Broad carved oak stairways lead from the lower floor into the towers of the building. The entire finish and the doors are of native quartered oak, carved and highly polished. On the first and second floors a wide hall extends through from one tower to the other, separating the office, parlors, reception and toilet rooms from the assembly room on the first floor, and the reading and writing room on the second floor, from the ladies' parlors, reception and toilet rooms in the north part of the building. On the ground floor is a parlor for women, with check and toilet rooms; a parlor for men, with check and toilet rooms. The assembly room on the lower floor is in the form of a half circle, or an immense bay window, and is used for the general reception room. On the second floor is a reading and writing room for the use of the general public, the women's private office and reception room, the office of the president, the State board and the executive commissioner. On the third story, over the main assembly room, is a large room suitable for a lunch room.

The building cost \$75,000. The State paid upon it about \$50,000. The balance was raised by contributions throughout the State in the way of material in construction and was solicited and obtained through the efforts of executive commissioner Havens. Chicago parties have been quite liberal in this matter and have donated material to the amount of \$2,500. The balance of the contributions were raised in the State of Indiana.

IOWA.

Following are the members of the Iowa State Board of Commissioners: President, James O. Crosby, Garnavillo; Vice-President, John F. Duncombe, Fort Dodge; Treasurer, Wm. Hamilton Dent, Le Mars; Secretary, F. N. Chase, Cedar Falls. Executive Committee: S. H. Mallory, Chariton; S. B. Packard, Marshalltown; H. W. Seaman, Clinton; Henry Stivers, Des Moines; Charles Ashton, Guthrie Center; J. W. Jarnagin, Montezuma; A. C. Roberts, Fort Madison.

State Board of Lady Managers: President, Miss Ora E. Miller, Cedar Rapids; Vice-President, Mrs. N. C. Deering, Osage; Secretary, Mrs. Eliza G. Rhodes, Mount Pleasant; Treasurer, Miss Mary B. Hancock, Dubuque; Mrs. Flora J. McAchran, Bloomfield; Mrs. Whiting S. Clark, Des Moines; Mrs. Orry H. Salts, Corning; Mrs. L. O. Ferson, Council Bluffs; Mrs. John F. Duncombe, Fort Dodge; Mrs. A. M. Ainsworth, Onawa; Mrs. Ellen K. Cook, Davenport.

National Board Lady Managers: Mrs. Whiting S. Clark, Des Moines; Miss Ora E. Miller, Cedar Rapids. Alternates: Mrs. Ira F. Hendricks, Council Bluffs; Miss Mary B. Hancock, Dubuque.

National Commission: W. F. King, Mt. Vernon; Joseph Eibæck, Des Moines. Alternates: John Hayes, Red Oak; Charles E. Whiting, Whiting.

The Iowa Building is undoubtedly one of the handsomest of the state buildings, and the decorations of the ceiling and walls of the main hall in corn and grasses is one of the most unique and attractive pieces of art work on the grounds. Scenes emblematic of agricultural, pastoral, mining and other pursuits are faithfully portrayed and are similar to those shown in the famous Corn Palace exhibitions in Sioux City. The structure is on the west side of the "Jackson Park Shelter" which belongs to the Park Commissioners, and serves as a receptacle for the State exhibit. The Iowa Building is 60x100 feet in size and two stories high. It is in wood and staff, with towers and roof corresponding to the "Shelter," so that the two structures combine harmoniously after the style of a French chateau, forming a very picturesque effect. On the first floor are found reception rooms for men and women, commissioners' offices, committee rooms

postoffice, writing and baggage rooms. On the second floor are the assembly hall, photographic exhibit, reading and reporters' rooms. The building cost \$35,000.

KANSAS.

Following are the members of the Kansas State Board of Commissioners; M. W. Cobun, President, Great Bend; L. P. King, Vice-President, Tannehill; Mrs. A. M. Clark, Secretary, Mankato; T. J. Anderson, Treasurer, Topeka; Geo. W. Glick, Atchison; A. P. Collins, Salina; H. H. Kern, Bonner Springs.

National Board Lady Managers: Mrs. Jennie S. Mitchell, Topeka; Mrs. Hester A. Hanback, Topeka. Alternates: Mrs. Sara Blair Lynch, Leavenworth; Mrs. Jane H. Haynes, Fort Scott.

National Commission: Charles K. Holiday, Jr., Topeka; J. R. Burton, Abilene. Alternates: M. D. Henry, Independence; S. H. Lanyon, Pittsburg.

The ground plan of the Kansas Building is irregular. It approaches a square, one side being straight, and the other three forming irregular angles. It has a ground area of 135x138 feet. It is two stories high, built of frame and staff, and is surmounted by an elliptical glass dome. The main exhibition hall occupies nearly all of the first floor, and extends through to the glass dome. A balcony, from the second story, overhangs the main entrance on the south, and a second balcony extends around the base of the dome. The north end of the main floor is occupied by a natural history collection. There are also offices for the boards of commissioners on the first floor. Four flights of stairs lead to the second floor, where are rooms for the women's exhibits, a school exhibit, and parlors for the men and women. The building cost \$25,000.

KENTUCKY.

Following are the members of the Kentucky State Board of Commissioners: W. H. Dulaney, President, Louisville; John W. Yerkes, Secretary, Danville; John D. Clardy, Newstead; James D. Black, Barbourville; A. D. James, Penrod; William R. Smith, Lexington; Zephania Meek, Catlettsburg; Mrs. Sue P. Brown, Owensboro; Miss Ida E. Symmes, Louisville; Miss Lucy Lee Hill, Lexington.

National Board Lady Managers: Miss Jean W. Faulkner, Lancaster; Mrs. A. C. Jackson, Covington. Alternates: Mrs. Sarah F. Holt, Frankfort; Mrs. Alice B. Castleman, Louisville.

National Commission: John Bennett, Richmond; Harvey Myers, Covington. Alternates: David N. Comingore, Covington; John S. Morris, Louisville.

The Kentucky State Building is typical of the Southern Colonial style, as distinguished from the New England, and suggests the better class of old Kentucky homesteads. The size of the building, exclusive of porches, is 75x90 feet, and in the center of the principal façade, under the covered porch, is the main entrance. To the left-hand side of the entrance, communicating with the lobby, is the parcel and check room and postoffice, while directly opposite is the office of the secretary, in connection with which is a smaller room used as an information bureau. The lobby opens on the great hall 35x40 feet in size, at the end of which is a wide stairway leading up to the second-story gallery. Under the wide platform in the center of the hall is the entrance to the dining-room. This platform is located midway between the two stories, and the greater part of this hall extends to the roof, with galleries around the second-story overlooking the first. On the left-hand side of the hall in a recess is placed the great hall fireplace. The mantel is 14 feet wide and the fireplace opening itself 8 feet, where great yule logs may be burnt. The ladies' parlors are on the left hand side of the building opening into the reception hall. The principal parlor is 20x36 feet, and communicates with the check-room and postoffice. On the right-hand side of the hall opposite the ladies' quarters are the gentlemen's parlors, the same size as the ladies' parlors, with a smoking room attached. Adjoining the main hall and smoking-room is a side entrance hall, upon which the men's toilet room opens. The dining hall is 20x40 feet, abundantly lighted and with a deeply recessed alcove for the fireplace, immediately opposite the entrance to the hall. This dining-room communicates with the necessary serving-rooms, store-room, kitchen and servants' bed-rooms. The second floor is a gallery 8 feet wide, around three sides of the open light-well, which extends from the first floor to

the top of the building, where it is roofed over with an obscured glass ceiling or sky-light. Extending across the entire front of the building, and opening on the wide gallery, are arranged three exhibition rooms, two of which are 20x27 feet, and the third 20x23 feet. On the right hand side, on this floor, is the commissioners' room communicating with the main gallery, and also a private hall and stairway leading to the first floor. With this hall are connected two sleeping rooms and bath-rooms for the use of the commissioners. On the opposite side of the building is the lady commissioners' committee room, and also a store-room, where packing cases, chairs, etc., can be stored. The three exhibition rooms are arranged so that they can be thrown together and form an assembly room. The interior is furnished in white or old ivory. The structure cost \$18,000.

LOUISIANA.

Following are the members of the Louisiana State Board of Commissioners: A. A. Woods, President, New Orleans; Jos. A. Shakespeare, Vice-President, New Orleans; Robert Bleakley, Secretary, Chamber of Commerce Building, New Orleans; James M. Pagaud, Jr., Treasurer, New Orleans; John C. Wickliffe, State Commissioner; Thomas J. Woodward, New Orleans; A. Brittin, New Orleans; John Dymond, New Orleans; L. M. Finley, New Orleans, Lewis Johnson, New Orleans.

Ladies' Auxiliary Board: Mrs. Belle H. Perkins; Mrs. Scott McGehee, Vice-Chairman; Mrs. Jos. Oglesby, Secretary; Mrs. W. W. Carré, Treasurer.

National Board Lady Managers: Miss K. L. Minor, Houma; Mrs. Belle A. Perkins, New Orleans. Alternates: Mrs. B. S. Leathers, New Orleans; Mrs. W. W. Carré, New Orleans.

National Commission: Davidson B. Penn, New Orleans; Thomas J. Woodward, New Orleans. Alternates: Alphonse Le Duc, New Orleans; P. J. McMahan, Tangipahoa.

The Louisiana State Building is in the Colonial style and is an imitation of the old fashioned Creole homes of the Pelican State. It has a frontage of 66 feet, depth 56 feet, is two stories high with piazzas to both floors on parts of three sides. The first story is 14 feet in the clear, second story 13 feet. The building is finished in natural woods—principally cypress and white pine. The interior contains on the ground floor a large hall, off which is ranged reception rooms, dining room and smoking room. The second story contains a large exhibition room which communicates with smaller exhibition rooms and ladies' parlor. Retiring rooms and lavatories have been provided on both floors. The building cost \$18,000.

MAINE.

Following are the members of the Maine State Board of Commissioners: Hall C. Burleigh, President, Vassalboro; Henry Ingalls, Vice-President, Wiscasset; Eva A. Parcher, Secretary, Saco; Jas. A. Boardman, Treasurer, Bangor; Chas. P. Mattocks, Executive Commissioner, Portland; Clark S. Edwards, Bethel; Augustus R. Bixby, Skowhegan; Wm. G. Davis, Portland; D. J. Callahan, Lewiston; Jos. P. Bass, Bangor; Mrs. Kate May Andrews, Lewiston; Mrs. Lucinda M. Bellows, Freedom; Mrs. Agnes C. Paul, Fort Fairfield.

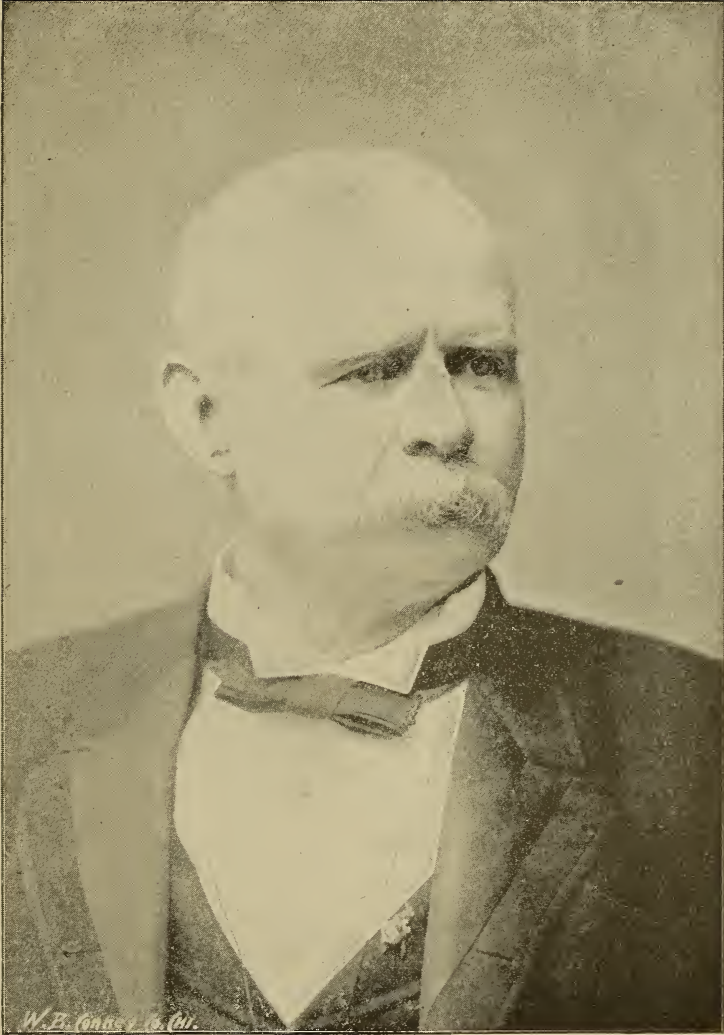
National Board Lady Managers: Mrs. E. C. Burleigh, Augusta; Mrs. L. M. N. Stevens, Portland. Alternates: Mrs. Sarah H. Bixby, Skowhegan; Miss Helen M. Staples, Hanover.

National Commission: Augustus R. Bixby, Skowhegan; William G. Davis, Portland. Alternates: James A. Boardman, Bangor; Clark S. Edwards, Bethel.

The Maine State Building is octagonal in form, with a ground area of 65 feet square. It is two stories in height, the roof surmounted by a lantern in the center, and four corner towers. The first story is of granite. The exterior finish of the rest of the building is in wood and staff. The roof is of slate. The central tower or lantern is 86 feet to its highest point. While the first story is octagonal in form, the second story presents but four sides, each with a loggia opening to the rooms within. The second-story floor overhangs the first story one foot. The main entrance of these arched doorways faces the southeast. Over it projects a boat's bow, in staff. Within the entrance is an octagonal rotunda, open to the roof line, its ceiling being an ornamental colored skylight. On the first floor entrance is had to the fine parlors and reception rooms, designed for men and women, toilet rooms, and two commissioners' rooms. A railed gallery extends entirely around the rotunda, which gives a complete view of the building



GROVER CLEVELAND.
PRESIDENT OF THE UNITED STATES.



ADLAI STEVENSON,
VICE-PRESIDENT OF THE UNITED STATES.

to the visitors. The interior finishing is very handsome, being done in hardwood. The granite and roof slate used in construction, the skylight in the rotunda, and the mantels over the fire-places are all the products of the State of Maine, and are donated by manufacturers. The building cost \$22,000.

MARYLAND.

Following are the members of the Maryland State Board of Commissioners: Gov. Frank Brown, President, Baltimore; Hon. F. C. Latrobe, Vice-President, Baltimore; J. Olney Norris, Secretary, Baltimore; Otis C. Brownley, Assistant Secretary, Havre de Grace; Frank S. Hambleton, Treasurer, Baltimore; Wm. H. Love, Recording and Financial Secretary, Baltimore; George L. McCahan, Executive Commissioner, Baltimore; Chas. T. Davis, Assistant Executive Commissioner, Baltimore; Hon. Murray Vandiver, Havre de Grace, Harford county; David Hutzler, Baltimore; Frank N. Hoen, Baltimore; John R. Bland, Baltimore; H. H. Dashiell, Princess Anne; Frank R. Scott, Elkton; James T. Perkins, Springfield; Prince George's county.

Committee on Woman's Work: Mrs. Wm. Reed, Baltimore, Chairman; Mrs. Elihu E. Jackson, Salisbury; Mrs. Chas. M. Ellis, Elkton; Mrs. John Ritchie, Frederick; Mrs. Alexander Neill, Hagerstown; Miss Isabel Hampton, Baltimore; Miss Henrietta Szold, Baltimore; Miss M. E. Richmond, Baltimore; Miss Elizabeth King, Baltimore; Mrs. Henry Stockbridge, Baltimore.

National Board Lady Managers: Mrs. William Reed, Baltimore; Mrs. Alexander Thompson, Mt. Savage. Alternates: Mrs. J. W. Patterson, Baltimore; Miss Eloise Norman, Cumberland.

National Commission: James Hodges, Baltimore; Lloyd Lowndes, Cumberland. Alternates: George M. Upshur, Snow Hill; Daniel E. Conking, Baltimore.

The Maryland Building is near the lake and opposite the Virginia Building. It is a handsome structure and is divided into reception hall, ladies' toilet, ladies' parlor, exhibition hall, woman's department, bureau of information and main exhibition hall, beside spacious porches on the first floor. Gents' toilet, office, smoking room, reading room and three parlors which communicate constitute the second floor, and a gallery overlooking the main exhibition hall is entered from this floor. The flat deck roofs of porches and buildings offer fine points of vantage for overlooking the grounds of the World's Fair.

MASSACHUSETTS.

Following are the members of the Massachusetts State Board of World's Fair Managers: Gen. Francis A. Walker, Chairman, Boston; Mrs. Alice Freeman Palmer, Cambridge; Miss Anna L. Dawes, Pittsfield; Hon. Edward Burnett, Southboro; E. C. Hovey, Secretary and Executive Commissioner, Brookline.

National Board Lady Managers: Mrs. Jonas H. French, Boston; Mrs. Rufus S. Frost, Chelsea. Alternates: Miss Mary Crease Sears, Boston; Mrs. A. F. Palmer, Cambridge.

National Commission: Francis W. Breed, Lynn; Thos. E. Proctor, Boston. Alternates: George P. Ladd, Spencer; Charles E. Adams, Lowell.

The Massachusetts Building is in the Colonial style, and is largely a reproduction of the historic John Hancock residence, which, until the year 1867, stood on Beacon Hill, Boston, near the State capitol. The building is three stories high, surmounted in the center by a cupola. The exterior is of staff, in imitation of cut granite. It follows the lines of the old house sufficiently faithful to recall the original to the minds of those who have seen it. Like the original, it is surrounded by a terrace, raised above the street, and has in front and on one side a fore-court, filled with old-fashioned flowers and foliage, in keeping with the character of the building. It is approached by two flights of steps—one leading from the street to the terrace, the other from the court to the house. The main entrance opens to a spacious, well-studded hallway, with a tiled floor. Facing the entrance is a broad, Colonial staircase, leading to the second floor. An old-fashioned, bull's-eye window gives light to the stairway. On the right of the hall is a large room, constituting a registration room, postoffice and general reception room. The fittings and furnishings of this room are unique. Its marble floor, its tiled walls, its uncovered beams, and its high mantel recall the old Dutch rooms found in Western Massachusetts, as well as in New York and Pennsylvania. On the left of the front door, or main entrance, are two large parlors, which, when thrown together, form a room 80 by 25 feet in size. The front parlor is furnished by the Essex Institute, of Salem, an old historical society. The back parlor is more especially a reading room for men. The second floor is given over almost

entirely to the use of women. There is a large and a smaller parlor, and two bedrooms for the use of the women's board. The entire floor is furnished in old-fashioned furniture, and in the bedrooms are four-post bedsteads. On the third floor are rooms for servants. A liberty pole, 85 feet high, stands in the forecourt, and a gilded codfish serves as a vane on the top of the cupola. The building cost \$65,000.

MICHIGAN.

Following are the members of the Michigan State Board of Commissioners: Isaac M. Weston, President, Grand Rapids; Eugene H. Belden, Vice-President, Horton; Mark W. Stevens, Secretary, Flint; James W. Flynn, Treasurer, Detroit; Gov. John T. Rich, Lansing; Mrs. Julia A. Pond, Hillsdale; Mrs. J. S. Valentine, Lansing; Peter White, Marquette.

National Board Lady Managers: Mrs. Eliza J. P. Howes, Battle Creek; Mrs. Sarah S. C. Angell, Ann Arbor. Alternates: Mrs. Frances P. Burrows, Kalamazoo; Miss Anna M. Cutcheon, Detroit.

National Commission: M. Henry Lane, Kalamazoo; George H. Barbour, Detroit. Alternates: Ernest B. Fisher, Grand Rapids; Lyman D. Norris, Grand Rapids.

The Michigan State Building is 100x140 feet; is three stories high and has a square shaped tower in the front center with an observatory on the top. A long gallery extends clear across the front. On the first floor are the administration offices, reception rooms, reading rooms, and ladies' parlors. On the second floor are two large exhibition halls for Michigan relics, and native curiosities, assembly halls, and a room for board meetings. On the third floor are the living rooms for the secretary of State and his family, and employes of the State commission. The building is constructed entirely of native material. The Legislature of Michigan appropriated \$20,000 for their State Exposition Building, but most of the materials were contributed so that the structure as it stands represents an outlay of \$50,000. The prominent features of the exhibition are fruits, agricultural products, iron, copper, salt and other minerals, lumber, fish, furniture and other manufactures, and education.

MINNESOTA.

Following are the members of the Minnesota State Board of Commissioners: D. A. Monfort, President, St. Paul; J. La Due, Vice-President, Luverne; C. McC. Reeve, Secretary, Minneapolis; J. J. Furlong, Treasurer, Austin; A. L. Ward, Fairmont; George N. Lamphere, Moorhead; Gov. Knute Nelson, ex-officio, St. Paul; O. V. Tousley, ex-officio, Minneapolis; H. B. Moore, ex-officio, Duluth; L. P. Hunt, Superintendent State Exhibit, Mankato.

Women's Auxiliary Board: Mrs. F. B. Clarke, President, St. Paul; Mrs. F. M. Greenleaf, Vice-President, Minneapolis; Mrs. A. A. White, Treasurer, Moorhead; Miss Mamie Dasse, Secretary, St. Paul; Mrs. Henry F. Brown, Minneapolis; Mrs. A. T. Stebbins, Rochester; Mrs. L. P. Hunt, Mankato; Mrs. Francis M. Crosby, Hastings; Mrs. Henry Hasenwinkle, St. Paul; Mrs. George Forsyth, Brainerd.

National Board Lady Managers: Mrs. F. B. Clarke, St. Paul; Mrs. H. F. Brown, Minneapolis. Alternates: Mrs. P. B. Winston, Minneapolis; Mrs. M. M. Williams, Little Falls.

National Commission: H. B. Moore, Duluth; Orson V. Tousley, Minneapolis. Alternates: Thomas C. Kurtz, Moorhead; Muret N. Leland, Wells.

The Minnesota Building is designed in the Italian renaissance style, two stories high, with a mezzanine story in the rear. The frame is of wood, covered with staff. The roof is of Spanish tile. The ground dimensions are 78x91 feet. The main entrance is on the south. In the recess within the entrance is a sculptural group, symbolizing the legend of Minnehaha and Hiawatha. On the first floor is the exhibition hall, 52x78 feet, a postoffice, baggage and ticket rooms, and superintendent's room. The main stairway is in the rear, opposite the entrance, and on the landing, half-way up, is a semi-circular bay alcove, lighted with large glass windows. On the second floor is a reception hall, 30x33 feet, parlors and retiring rooms for men and women, and a committee room. In the mezzanine story are four bedrooms and two bath-rooms. The interior walls are plastered, decorated in fresco, in plain tints, and finished in pine. The women's rooms have color decorations done by women of the State. The building cost \$30,000.

MISSISSIPPI.

National Board Lady Managers: Mrs. James W. Lee, Aberdeen; Mrs. John M. Stone, Jackson. Alternates: Mrs. George M. Buchanau, Holly Springs; Miss Varina Davis, Beauvoir. National Commission: Joseph M. Bynum, Rienzi; Robert L. Saunders, Jackson. Alternates: Fred W. Collins, Summit; Joseph H. Brinker, West Point.

The Mississippi Legislature refused to pass an appropriation bill, hence that State has no building nor State Board of Commissioners.

MISSOURI.

Following are the members of the Missouri State Board of Commissioners: N. H. Gentry, President, Sedalia; Nathan Frank, Vice-President, St. Louis; Wm. Dawson, Secretary, New Madrid; Dr. E. McD. Coffey, Treasurer, Platte City; Charles W. Green, Brookfield; H. H. Gregg, Joplin; Hugh J. McGowan, Kansas City; J. K. Gwynn, Executive Commissioner, St. Louis.

Ladies' Auxiliary Board: Mrs. Patti Moore, Kansas City; Mrs. J. N. Edwards, St. Joseph; Mrs. Teresa B. Adams, St. Louis; Mrs. S. P. Sparks, Warrensburg; Mrs. M. J. Phelps, Springfield; Mrs. J. J. Russell, Charleston.

National Board Lady Managers: Miss Phoebe Couzins, St. Louis; Miss Lillian M. Brown, Kirkwood. Alternates: Mrs. Patti Moore, Kansas City; Mrs. A. L. Y. Orff, St. Louis.

National Commission: Thomas B. Bullene, Kansas City; Charles H. Jones, St. Louis. Alternates: O. H. Picher, Joplin; R. L. McDonald, St. Joseph.

The ground plan of the Missouri Building is square, with a quarter circle taken out of the southeast corner, to correspond with the form of the juncture of the two avenues on which it faces. To the south is the Art Building, and to the east, across the avenue, is Pennsylvania's building. The building is 86x86 feet, two stories high. In the front, and over the main entrance, is an elliptical dome, 70 feet high, flanked by smaller octagonal domes, 48 feet high. The main entrance, which is in the southeast corner of the building, facing both avenues, is of cut brown stone from the quarries of Warrensburg, Mo. The balance of the structure is frame, covered with staff, and the columns and pilasters are of the same material. Within the main entrance is a rotunda, with a mosaic tile floor. On either side of the main entrance are minor entrances, the one on the left leading to the headquarters of Western Missouri and Kansas City, and the one on the right leading to the headquarters of Eastern Missouri and St. Louis. Within the rotunda are the telegraph office and the postoffice, occupying the space under the octagonal dome. On either side of the rotunda is a fountain. On the left of the rotunda are two exhibit rooms 30x20 feet and 28x17 feet. On the right is a journalists' room, a reading-room, a library, and a bureau of information. Entrance is had to the rotunda from all of these rooms by tiled halls. Two flights of stairs, very handsome, in red and white oak, lead to the second floor. A promenade balcony with a marble floor overhangs the main entrance. A large auditorium room, irregular in shape, occupies the center and larger portion of the second floor. The southeast bay is occupied by a parlor and reading room for women, the southwest bay by a similar room for men. There are toilet rooms, and a committee room, and a special room for the Governor of Missouri. On the balcony floor are six bed-rooms, three in each bay, and a kitchen. The building contains thirty-two rooms. It is very handsome, and richly ornamented. The glass is all plate. This plate glass, as well as the tile for the roof and flooring, the plumbing, and the cut stone, is donated by Missouri manufacturers. The building cost \$50,000.

MONTANA.

Following are the members of the Montana State Board of Commissioners: Stephen DeWolfe, President, Butte; Allen R. Joy, Vice-President, Livingston; James G. Ramsay, Secretary, Helena; David G. Browne, Treasurer, Fort Benton; W. M. Bickford, Executive Commissioner, Missoula; Phil Lovell, Dillon; Herbert O. Chowen, Great Falls; C. R. Middleton, Miles City; Alf. J. Stephens, Lewistown; Wm. M. Nevitt, Bozeman; Thomas Joyes, Boulder; A. J. Davidson, Helena; D. A. Pease, Twin Bridges; Wm. H. Sutherland, White Sulphur Springs; George M. Hays, Billings; George W. Morse, New Chicago.

National Board Lady Managers: Mrs. Clara L. McAdow, Spotted Horse; Mrs. J. E. Rickards, Butte. Alternates: Mrs. M. D. Cooper, Bozeman; Mrs. L. E. Howey, Helena.

National Commission: L. H. Hershfield, Helena; Dr. A. H. Mitchell, Deer Lodge. Alternates: B. F. White, Dillon; T. E. Collins, Great Falls.

The Montana Building is in the Romanesque style of architecture, one story in height, and cost \$20,000. It has a ground area of 62 feet front by 113 deep. The structure is frame, covered with staff, the interior being ornamented with heavy, projecting pilasters, with Roman caps and bases and Roman arches. The roof is of tin and canvas, and the building is surmounted by a glass dome 22 feet in diameter and 38 feet high. The front of the building, facing the south, presents two side wings, with a large arched entrance in the center. The fronts of the wings are ornamented with heavy, scrolled pediments. The entrance arch is 12x12 feet, supported by heavy columns. Within is the vestibule, with marble floor and ceiling paneled in staff. It presents a series of three arched doorways, the center one opening into the rotunda under the dome, the side doors leading to the men's and women's parlors. On either side of the entrance arch are balustrades, enclosing the vestibule. Flanking the arch are two panels, 4x5 feet in size, one bearing the State motto, "Oro y Plata"—gold and silver—and the other, "1893," in Roman figures. These panels are in pure sheet gold. Above the entrance arch, and practically on the roof of the building, is the figure of an elk, of heroic size, cast in staff. The interior is finished in Georgia pine. The walls are tinted in oil. All the main rooms open onto the rotunda, under the central dome. In the rear is a banquet hall, 40x50 feet, covered by a large skylight. In the center of this floor stands a group of three mounted elks. A wide gallery extends around the hall, and in the gallery the State exhibit is made. A life size statue of Miss Ada Rehan, the well known American actress, cast in solid silver and resting on a pedestal of gold (from Montana mines), is one of the interesting exhibits made by the State.

NEBRASKA.

Following are the members of the Nebraska State Board of Commissioners: Charles A. Coe, President, Omaha; A. H. Gale, Secretary Bassett; Joseph Garnea, Commissioner-General, Omaha; M. H. Weiss, Hebron; A. J. Sawyer, Lincoln; Seth P. Mobley, Grand Island; J. B. Steward, Benedict.

Woman's Auxiliary Board: Mrs. M. Allen Bock, President, Omaha; Miss Elizabeth W. Irwin, Secretary, Lincoln; Mrs. E. C. Langworthy, Chairman Executive Committee, Seward; Mrs. Edward Stewart, Blair; Mrs. W. H. McDonald, North Platte; Mrs. Alice D. Hume, Harvard; Mrs. J. H. Smith, Lincoln; Mrs. E. L. Eaton, Omaha; Mrs. J. H. Lynch, Hebron; Miss Antoinette Wortham, Pawnee City; Mrs. C. B. Wells, Matson; Mrs. A. Patterson, Omaha.

National Board Lady Managers: Mrs. John S. Briggs, Omaha; Mrs. E. C. Langworthy, Seward. Alternates: Mrs. M. A. B. Martin, Lincoln; Mrs. Lena A. Bates, Aurora.

National Commission: Euclid Martin, Omaha; Albert G. Scott, Kearney. Alternates: William L. May, Omaha; John Lauterbach, Fairbury

The style of architecture of the Nebraska State Building is classical, and of the Corinthian order. The building has a ground area of 60x100 feet, and is two stories high. The exterior is of staff. On the east and west fronts are wide porticos, approached by flights of steps. Over the porticos are projecting gables, supported by six columns, twenty-five feet high, the full distance from the cornice to the floor. In each pediment is the State seal, in bas-relief, five feet in diameter. From each portico three large double doors of oak give entrance to the exhibit hall. The room is 60x70 feet, and in it an agricultural display is made. On the first floor, also, are a reception room, commissioners' office, baggage room and postoffice. A double stairway nine feet wide, leads from the center of the exhibit hall to the second floor. Here is an exhibit room, 60x70 feet, used for an art exhibit. On this floor are a women's parlor, reading room, smoking room and toilet rooms. The building cost \$20,000.

NEVADA.

Following are the members of the Nevada State Board of Commissioners: J. A. Yarrington, Chairman and Secretary, Hawthorne; J. W. Haines, Genoa; George Russell, Elko.

National Board Lady Managers: Miss E. M. Russell, Elko; Mrs. D. M. Foley, Reno. Alternates: Miss Mary E. Davies, Genoa; Miss Jennie Torreyson, Carson.

National Commission: J. W. Haines, Genoa; George Russell, Elko. Alternates: Enoch Strother, Virginia City; Richard Ryland, Reno.

The Nevada Legislature made an appropriation of \$10,000, which has been expended in making a complete showing of that State's mineral and agricultural resources. The former may be seen in the Mines and Mining Building and the latter in the Agricultural Building. The world-renowned pre-historic footprints, fossils, etc., which were removed from the floors of the quarry at the Nevada State prison at Carson, are also shown. These prints and fossils, etc., will undoubtedly prove most valuable to the scientific world. This is the first time the originals were ever removed, numerous museums in different parts of the world having them in plaster casts; they are shown in the Department of Mines and Mining and consist of footprints, fossils, bones, teeth, etc., of a very remote period. They were taken from a depth of thirty-four feet from the surface of the quarry of the State prison at Carson.

NEW HAMPSHIRE.

Following are the members of the New Hampshire State Board of Commissioners: Charles H. Amsden, President, Penacook; George F. Page, Vice-President, Concord; Thomas J. Walker, Secretary, Plymouth; Frank M. Rollins, Treasurer, Manchester; Elijah M. Shaw, Executive Commissioner, Nashua.

National Board Lady Managers: Mrs. Myra B. F. Ladd, Lancaster; Mrs. Daniel Hall, Dover. Alternates: Mrs. Frank H. Daniell, Franklin Falls; Mrs. Ellen J. Coles, Lakeport.

National Commission: Walter Aiken, Franklin; Charles D. McDuffee, Manchester. Alternates: George Van Dyke, Lancaster; Frank E. Kaley, Milford.

The New Hampshire Building is in imitation of a Swiss cottage. Its dimensions are 53x84 feet and it is two stories in height. The pitched, shingle roof is broken by five gables. The exterior is weatherboarded in stained Georgia pine above a line seven feet from the ground. This first seven-foot course is in New Hampshire granite. Each of the two stories is surrounded on all sides by a wide piazza. The rooms on the second floor open to the piazza through hinged windows opening to the floor. The entrance is on the east, facing the drive on Lake Michigan. On the first floor is a reception hall, 22x36 feet. It has two unique fire-places in pressed granite brick. To the rear of the hall is a wing of the main building, two stories high, the second story being a wide balcony or gallery to the main floor. The roof is a glass skylight. A State exhibit, a picture collection, and a large State map are shown here. Beside the reception hall on the first floor there are parlors for men and women. These rooms are ceiled, while the reception hall opens to the roof and is covered with a skylight. The second floor has a reception room and six board and committee rooms. The building cost \$10,000.

NEW JERSEY.

Following are the members of the New Jersey State Board of Commissioners: Stephen J. Meeker, President, Newark; Edward Bettle, Vice-President, Camden; Walter S. Lenox, Secretary and Treasurer, Trenton; Peter Hauck, Harrison; Frederick A. Canfield, Dover; Millard F. Ross, New Brunswick; Garret A. Hobart, Paterson; Peter E. Swartsweller, Belvidere.

Lady Board of Managers: Mrs. Edwin Stevens, Chairman, Hoboken; Mrs. Thomas T. Kinney, Vice-Chairman, Newark; Mrs. Emily Warren Roebing, Secretary, Trenton; Mrs. Robert Adrain, New Brunswick; Miss Mary S. Clark, Belvidere; Miss Rosa Murray, Paterson; Mrs. Sarah G. Ware, Salem, N. J.; Mrs. Charles B. Yardley, East Orange.

National Board Lady Managers: Mrs. Mary E. Busselle, Newark; Mrs. Martha B. Stevens, Hoboken. Alternates: Mrs. C. W. Compton, Newark; Mrs. A. M. Smith, Newark.

National Commission: William J. Sewell, Camden; Thomas Smith, Newark. Alternates: Frederick S. Fish, Newark; Edwin A. Stevens, Hoboken.

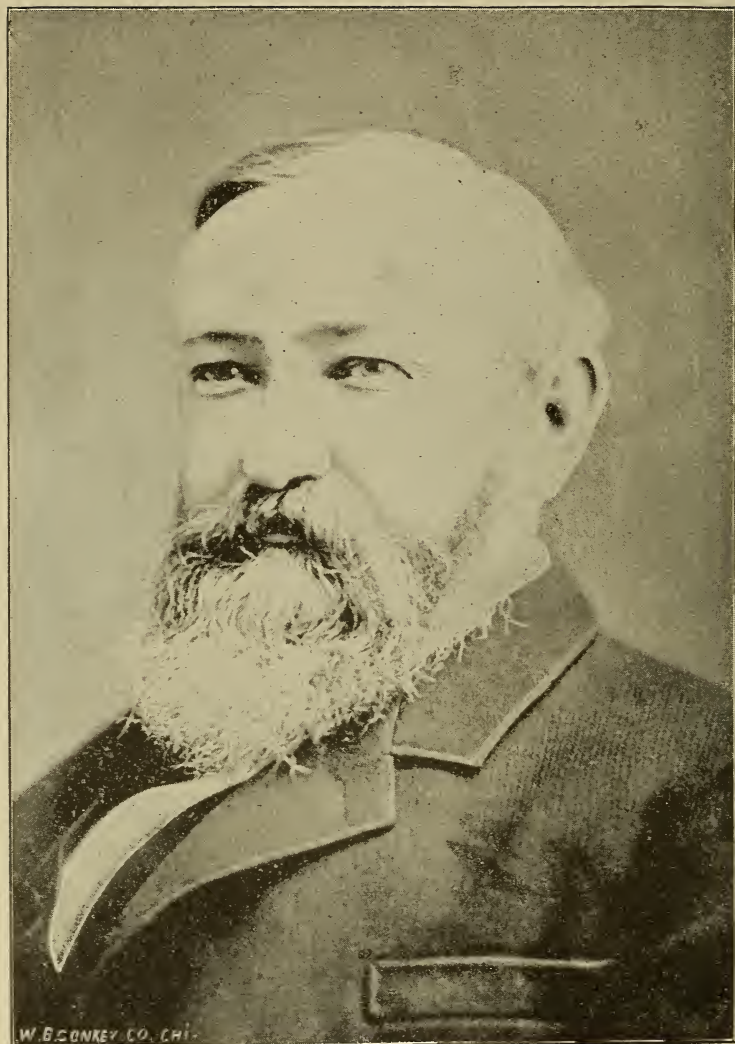
Those familiar with the appearance of the Washington headquarters in Morristown, N. J., will recognize in New Jersey's building the nucleus of the general lines and details of that historic structure. The interest of the Morristown building is no doubt somewhat shared in by the New Jersey Building, and it seems that the State has done well in selecting the old headquarters as a starting point for the design, when it is remembered that under the roof of the old Morristown house more of the noted characters of the Revolution have gathered than under any other roof in America. General Washington made the building his headquarters during the winter of 1779 and '80, and Alexander Hamilton

lived there during the same long winter, and there "he met and courted the lady he afterward married, the daughter of General Schuyler." Celebrated men, including Green, Knox, Lafayette, Steuben, Kosciusko, Schuyler, "Light Horse" Harry Lee, old Israel Putman, "Mad Anthony" Wayne, and "that brave soldier but rank traitor, Benedict Arnold," have all been beneath its roof. This building is used as the headquarters of New Jersey commissioners, and is a place where every New Jerseyman and his family is made to feel at home, where he can meet his friends, can register his address and receive his letters. It is, in fact, a part of his own State transported to the Exposition grounds. The site of the building is centrally located among those of the States of New York, Massachusetts, Rhode Island and Connecticut. The building is not intended for exhibition purposes, but is more in the nature of a clubhouse for the use and convenience of all Jersey people. There are large and inviting piazzas on the front and rear. The main entrance opens into a large general assembly hall, two stories high with a circular balcony looking down from the second story. This hall contains the postoffice and the hat and cloak counter, a large open fire-place, nearly ten feet across, and the main staircase, this latter being made a feature of the design. On the right hand side of the building are located the rooms set apart especially for the ladies; these consist of the general meeting room of the Ladies' Board of Managers, two parlors on the second floor, with lavatories and bath-rooms. On the left hand side of the building are the rooms set apart for gentlemen, the secretary's office, board room, president's room, committee rooms and lavatories. In the third story are the care-takers' apartments and store-rooms for documents, etc. The building is principally of frame construction, covered with clapboards and with some of the ornamental portions in staff. The roof is shingled. The dimensions of the main building are 51 feet long, 31 feet deep and 37 feet high to the ridge. Each wing is 16 feet front, 21 feet deep and 30 feet high. The piazzas, in front and rear, are each 68 feet long by 16 feet wide (at the widest part). The area covered, including piazzas, is 3,949 square feet. The general style of the building is Colonial. The cost is \$40,000. Considerable of the material was donated by manufacturers in the State.

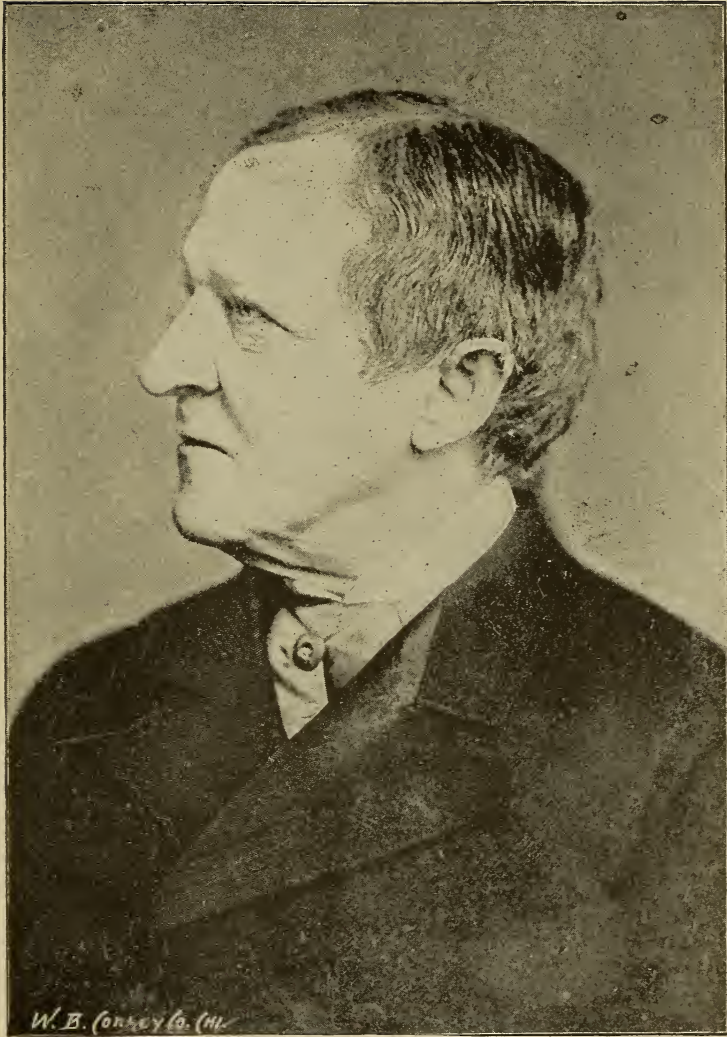
NEW YORK.

Following are the members of the New York State Board of Commissioners: Chauncey M. Depew, president, New York, Gorton W. Allen, Vice-President, Auburn; John Foord, Secretary, Albany; Donald McNaughton, Executive Officer, Albany; John Boyd Thatcher, Albany; Louis M. Howland, New York; Walter L. Sessions, Jamestown; Charles A. Sweet, Buffalo.

Judicial District Commissioners: *First Judicial District*—City and County of New York—Richard Delafield, President, 10 West 9th street, New York; Samuel W. Fairchild, Secretary, 82 Fulton street, New York; James W. Tappin, Treasurer, 60 Broad street, 558 Fifth avenue, New York; Edmund C. Stanton, Secretary to the Commissioners, office, Madison Square Bank Building, New York City. *Second Judicial District*—Richmond, Suffolk, Queens, Kings, Westchester, Orange, Rockland, Putnam and Dutchess—Daniel M. Somers, President, 101 Halsey street, Brooklyn; Cord Meyer, Jr., Secretary, 11 Wall street, New York; Henry Seibert, Treasurer, 608 Bedford avenue, Brooklyn, 12 and 14 Warren street, New York; Thomas F. Farrell, Secretary; John Phillips, Chief Clerk, office, Rooms 2 and 3 Eagle Building, Brooklyn, N. Y. *Third Judicial District*—Columbia, Sullivan, Ulster, Greene, Albany, Schoharie and Rensselaer—John T. Norton, President, 37 Tweddle Building and 300 State street, Albany; William H. Rowe, Jr., Secretary, 76 Franklin street, Troy, N. Y; Manly B. Mattice, Treasurer, Catskill; George S. Stevens, Chief Clerk, office, Capitol, Albany. *Fourth Judicial District*—Warren, Saratoga, Washington, Essex, Franklin, St. Lawrence, Clinton, Montgomery, Hamilton, Fulton and Schenectady—Edward Ellis, President, Schenectady; Thomas J. Whitney, Secretary, Gouverneur; George S. Weed, Plattsburgh; Harry S. Estcourt, Chief Clerk, office, Room 12, Town Hall, Saratoga Springs, N. Y. *Fifth Judicial District*—Onondaga, Oneida, Oswego, Herkimer, Jefferson and Lewis—John F. Gaynor, President, Fayetteville; Walter N. Kernan, Secretary, Utica; George B. Sloan, Treasurer, Oswego; ——— Chief Clerk, office, Kirk Block, Syracuse, N. Y. *Sixth Judicial District*—Otsego, Delaware, Madison, Chenango, Broome, Tioga, Chemung, Tompkins, Cortland and Schuyler—Hugh Duffy, President, Cortland; George F. O'Neil, Secretary, Binghamton; Robert H. Thurston, Ithaca; J. Frank Hawkins, Chief Clerk, office, Strong Block, Binghamton, N. Y. *Seventh Judicial District*—Livingston, Wayne, Seneca, Yates, Ontario, Steuben, Monroe and Cayuga—William S. Kimball, President, Rochester; Henry Stowell, Secretary, Seneca Falls; Edwin C. Cook,



BENJAMIN HARRISON,
EX-PRESIDENT OF THE UNITED STATES.



LEVI P. MORTON,
EX-VICE-PRESIDENT OF THE UNITED STATES.

Bath; W. H. Benjamin, Chief Clerk, office, Chamber of Commerce, Rochester, N. Y. *Eighth Judicial District*—Eric, Chautauqua, Cattaraugus, Orleans, Niagara, Genesee, Allegany and Wyoming—Henry Koons, President, 474 Main street, Buffalo; Willard T. Ransom, Secretary, Lockport; Henry W. Box, 311 Main street, Buffalo; George T. Smith, Chief Clerk, office, 9 Niagara street, Buffalo, N. Y. *Bureau of Agriculture*—James Wood, Director-in-Chief Mt. Kisco, Westchester, N. Y.; George T. Powell, in charge of Bureau of Pomology; James Dean, in charge of Bureau of Floriculture; George C. Snow, in charge of Bureau of Viticulture. *The Six Nations of Indians*—Rev. John W. Sanborn, Director-in-Chief.

Board of Women Managers of the Exhibit of the State of New York: *First Judicial District*—City and County of New York—Mrs. Arthur M. Dodge, 72 E. 34th street, New York; Mrs. Fred. R. Halsey, 22 W. 53d street, New York; Miss Annie Hemstrought, 164 E. 28th street, New York; Miss J. Imogen Howard, 20 Gt. Jones street, New York; Miss Anna Roosevelt, 689 Madison avenue, New York; Mrs. Oscar F. Straus, 27 W. 74th street, New York; Mrs. Geo. Waddington, 39 E. 9th street, New York; Mrs. H. Walter Webb, 202 Madison avenue, New York. *Second Judicial District*—Richmond, Suffolk, Queens, Kings, Westchester, Orange, Rockland, Putnam and Dutchess—Mrs. Frederick P. Bellamy, 50 Garden Place, Brooklyn; Miss Elizabeth T. Minturn, Hastings-on-the-Hudson; Mrs. J. S. T. Stranahan, 269 Union street, Brooklyn. *Third Judicial District*—Columbia, Sullivan, Ulster, Greene, Albany, Schoharie and Rensselaer—Mrs. Erastus Corning, Albany; Mrs. Dean Sage, Menands. *Fourth Judicial District*—Warren, Saratoga, Washington, Essex, Franklin, St. Lawrence, Clinton, Montgomery, Hamilton, Fulton and Schenectady—Mrs. William J. Averill, Ogdensburgh. *Fifth Judicial District*—Onondaga, Oneida, Oswego, Herkimer, Jefferson and Lewis—Mrs. Howard G. White, Syracuse. *Sixth Judicial District*—Otsego, Delaware, Madison, Chenango, Broome, Tioga, Chemung, Tompkins, Cortland and Schuyler—Mrs. Leslie Pell Clarke, Springfield Center; Mrs. Andrew D. White, Ithaca. *Seventh Judicial District*—Livingston, Wayne, Seneca, Yates, Ontario, Steuben, Monroe and Cayuga—Miss Caroline E. Dennis, Auburn; Mrs. Charles F. Wadsworth, Genesee. *Eighth Judicial District*—Erie, Chautauqua, Cattaraugus, Orleans, Niagara, Genesee, Allegany and Wyoming—Miss Maria M. Love, 184 Delaware avenue, Buffalo; Miss Frances Todd Patterson, Westfield.

Officers of the Board of Women Managers: Mrs. Erastus Corning, President, Albany, N. Y.; Mrs. George Waddington, First Vice-President, 38 E. Ninth street, New York City; Mrs. J. S. T. Stranahan, Second Vice-President, 269 Union street, Brooklyn, N. Y.; Mrs. Leslie Pell-Clarke, Secretary, Springfield Center, Otsego County, N. Y.; Miss Frances Todd Patterson, Treasurer, Westfield, Chautauqua County, N. Y.; Mrs. Florence C. Ives, Chief Clerk, office, the Capitol, Albany, N. Y. *Executive Committee*—Mrs. Dean Sage, Chairman, Menands, Albany County, N. Y.; Mrs. Frederick P. Bellamy, 50 Garden Place, Brooklyn, N. Y.; Miss Anna Roosevelt, 689 Madison avenue, New York City; Miss Caroline E. Dennis, Auburn, N. Y.; Mrs. Howard G. White, Syracuse, N. Y.; Mrs. H. Walter Webb, 202 Madison avenue, New York City. *Committee on Philanthropy*—Mrs. Arthur M. Dodge, Chairman; Miss Maria M. Love, Miss Anna Hemstrought, Miss Anna Roosevelt, Miss Caroline E. Dennis, Mrs. F. P. Bellamy. *Committee on Raising Funds and Decorating the Library in Women's Building*—Mrs. Dean Sage, Chairman; Mrs. H. Walter Webb, Mrs. Wm. J. Averill, Mrs. Oscar S. Straus, Mrs. C. F. Wadsworth, Mrs. J. S. T. Stranahan; Mrs. Wheeler is to serve on this committee. *Committee on Education*—Mrs. F. P. Bellamy, Chairman; Mrs. J. S. T. Stranahan, Miss F. T. Patterson, Miss I. J. Howard. *Committee for Obtaining Statistics Concerning Women's Work, Past and Present*—Miss Anna Roosevelt, Chairman; Mrs. George Waddington, Mrs. H. G. White, Miss Anna Hemstrought, Mrs. C. F. Wadsworth, Miss Frances T. Patterson. *Committee on Manufactures and Industries*—Miss Anna Roosevelt, Chairman; Miss Anna Hemstrought, Mrs. Leslie Pell-Clarke, Mrs. A. M. Dodge, Mrs. Wm. Averill, Mrs. Fred. R. Halsey. *Committee on Fine Arts*—Mrs. Leslie Pell-Clarke, Chairman; Mrs. J. S. T. Stranahan, Mrs. Dean Sage, Mrs. Fred R. Halsey. *Committee on Women's Work in Literature, Literary Clubs and the Press*—Mrs. F. P. Bellamy, Chairman; Mrs. J. S. T. Stranahan, Miss Anna Roosevelt, Mrs. Oscar S. Straus. Mrs. T. M. Wheeler, in charge of Bureau of Applied Arts, 1122 Broadway, New York City; Miss Juliet Corson, in charge of Model Kitchen Department.

National Board Lady Managers: Mrs. Ralph Trautman, New York; Mrs. William K. Vanderbilt, New York. Alternates: Mrs. John Pope, New York; Mrs. A. M. Palmer, New York.

National Commission: Chauncey M. Depew, New York; John Boyd Thatcher, Albany. Alternates: James H. Breslin, New York; James Roosevelt, New York.

New York's State Building ranks in size next to that of Illinois and California. It costs \$150,000. The architectural idea in the building is that of a big summer house. It is three stories high, being 57 feet from the ground to the cornice. The exterior is in staff, in imitation of marble, and in keeping with the style of the main Exposition buildings. Its decked roof is surmounted and confined by a heavy balustrade. Each pedestal of the balustrade supports a large Italian vase, in which grows a bay-tree, giving the building, together with its other characteristics, the air of a Pompeian house. The flat, decked roof furnishes a promenade and summer garden. From its center rises a clere-story over the banquet hall, and above the clere-story are two belvederes. On the

north and south ends of the building are circular porticoes, in each of which is a fountain. The general dimensions are 160 feet front by 105 feet deep. A broad flight of steps, guarded by Roman lions, leads to the arched entrance. About this entrance is concentrated all the exterior ornamentation of the building. It is in the style of the Italian renaissance, a villa in character, rectangular in form, approached on the south by a flight of fourteen steps, 46 feet wide, giving access to a grand terrace, 15x80 feet, from which the loggia, or open vestibule, 46x17 feet 6 inches is reached. Partaking of the domestic as well as the palatial style, the building is not only the headquarters of New York people at the Exposition, but also a most comfortable place for the reception and entertainment of distinguished foreign guests. The semi-circular porticoes, east and west, have a diameter of 50 feet in the form of an *exedra*, and the uncovered portion, furnished with the fountain, is a unique feature of the building. It is proposed to place a bust of Washington upon the key block over the main entrance, and at either side those of the first and the present governors of the State. The main floor of the building consists of the vestibule, a grand staircase hall, with a dome ceiling 46 feet from the floor, a small reception-room, a suite of three drawing-rooms, smoking, writing and reading-rooms, lavatory and coat-room, post-office and telegraph and telephone service and bureau of information. The second floor contains a large hall, 84 feet long, 46 feet wide and 45 feet in height, on the west of which is the room reserved for the Board of Lady Managers. There is also offices for the General Managers' Board and the Board of District Commissioners. The entrance to the building is flanked by the Barbarini lions recently cast in Rome, selected in preference to the lions of the Villa Medici, which however fine, are inferior in size. The four pedestal lamps lighting the terrace are exact copies in bronze of antique examples in the Museum at Naples, and are richly sculptured. In the circular niches, on either side of the arch of the entrance, are busts of Hudson and Columbus. Above the key-stone of the arch is the American eagle, and dependent from a staff, projecting above the bird, is a flag, bearing the State's arms. A striking feature of interior adornment is the arrangement of the electric lights, in a belt course, marking the second story floor, and outlining the arched entrance, above which the great seal of the State of New York, 10 feet high, is illuminated by a myriad of tiny lamps set close together. A second line of illumination accents the main cornice, and similar ones define the edge of the roof garden, and the arches, angles and cornices of the two belvederes. Finally, a cluster of lights illuminate the bases of the flag-poles. Within and without the building blaze 2,000 electric jets. In the main hall on the first floor, besides the beautiful fountains scattering their cooling sprays within the spacious porticoes, an object of unusual interest is a relief map nearly 20 feet in diameter of the State of New York, which of itself cost \$30,000. This main hall has a mosaic floor and is hung with imported silk hangings. Here are the parlors and toilet-rooms for men and women, postoffice, information and baggage-rooms. The grand stairway is of marble, and leads to the banquet hall, where the visitor can not fail to be impressed with the elegance of the surroundings. The beautiful arched ceiling, three stories high, is richly ornamented with designs of fruits done in stucco. On the third floor, in addition to twelve rooms for general purposes there is a gallery for a band of music.

NORTH CAROLINA.

Following are the members of the North Carolina State Board of Commissioners: W. F. Green, President, Franklinton; P. M. Wilson, Executive Commissioner, Winston; T. K. Bruner, Secretary and Commissioner of Exhibits, Raleigh; H. E. Fries, Salem; W. R. Capehart, Avoca; W. E. Stevens, Clinton; J. H. Gilmer, Greensboro; J. F. Payne, Alma; W. R. McClelland, Mooresville; J. B. Coffield, Everetts; C. D. Smith, Franklin; W. R. Williams, Falkland; Gov. Elias Carr, Ex-officio, Raleigh.

National Board Lady Managers: Mrs. Florence H. Kidder, Wilmington; Mrs. Charles Price, Salisbury. Alternates: Mrs. Sallie S. Cotten, Falkland; Miss V. Stella Divine, Wilmington.

National Commission: Alexander B. Andrews, Raleigh; Thomas B. Keogh, Greensboro. Alternates: H. C. Carter, Fairfeld; G. A. Bingham, Salisbury.

North Carolina has no building, but the State makes collective exhibits in the Agricultural, Horticultural, Mines, Fisheries and Forestry departments.

NORTH DAKOTA.

Following are the members of the North Dakota State Board of Commissioners: Martin Hector, President, Fargo; D. R. McGinnis, Secretary, Grand Forks; Alfred Dickey, Executive Manager, Jamestown; Jacob A. Field, Bismarck; John M. Turner, Mandan; O. G. Meacham, Carrington.

National Board Lady Managers: Mrs. S. W. McLaughlin, Grand Forks; Mrs. W. D. McConnell, Fargo. Alternates: Mrs. Alice B. Brown, Lisbon; Mrs. Frances C. Holley, Bismarck.

National Commission: H. P. Rucker, Grand Forks; Martin Ryan, Fargo. Alternates: Charles H. Stanley, Steele; Peter Cameron, Tyner.

The headquarters for North Dakota visitors is a pretty, hospitable-looking building adjacent to that of Kansas. The building is 70x50 feet. A space 46x21 feet in front of the main assembly hall, between the two committee rooms, is used as a court-yard. From this court-yard the main assembly room is entered through a large stone arch, above which on the exterior is an elaborately carved panel containing the coat of arms of North Dakota. The main feature of the interior is the assembly hall, which includes a space 24x56 feet. The room is spanned by four broad arched beams between each of which is a wide window reaching from near the floor to the roof. At either end of the room is a broad fire place. Committee and toilet rooms are provided throughout the building. The structure is two stories high, and on the exterior the walls of the main gable ends are built of brick. The remainder of the walls are of timber, filled in between with plaster panels. North Dakota pays great attention to the exhibit of her principal product, wheat, but also makes a good showing in several other departments. The educational advantages of the State are fully presented, and her exhibit is among the best.

OHIO.

Following are the members of the Ohio State Board of Commissioners: W. W. Peabody, President, Cincinnati; Chas. M. Anderson, Vice-President, Greenville; W. T. Alberson, Secretary, Columbus; Lewis N. Bonham, Treasurer, Columbus; Daniel J. Ryan, Executive Commissioner, Columbus; Albert Schwill, Cincinnati; James W. See, Hamilton; Charles M. Harding, Franklin; David Hall, Bloom Center; A. O. Jones, Zanesville; A. C. Cummins, Mansfield; William E. Sefton, Canton; L. E. Holden, Cleveland; William Edwards, Cleveland; H. G. Baker, Defiance, P. M. Cullinan, New Lexington; Harvey P. Platt, Toledo; William Ritchie, Hamilton; Mrs. Mary Hart, Glendale; Mrs. Walter Hartpence, Harrison.

National Board Lady Managers: Mrs. Mary A. Hart, Glendale; Mrs. Walter Hartpence, Harrison. Alternates: Mrs. Harriett T. Upton, Warren; Mrs. Asa S. Bushnell, Springfield.

National Commission: Harvey P. Platt, Toledo; William Ritchie, Hamilton. Alternates: Lucius C. Cron, Piqua; Adolph Pluemer, Cincinnati.

The Ohio State Building is Colonial in style, two stories high, of wood and staff, with tile roof. The ground area is 100 feet front by 80 feet deep. The main entrance, on the east, is within a semi-circular Colonial portico, thirty-three feet high, the roof supported by eight great columns. The tile roof, mantels, finishing woods, and much of the visible material are the gifts of Ohio producers. The main entrance opens on a lobby, on the left of which is the women's parlor, and on the right a committee room. Occupying the central portion of the building is the reception hall, 23x36 feet, and 28 feet high, extending through to the roof. The coved ceiling of the hall is ornamented. Back of the reception hall is an open court, 36 feet square, inclosed on three sides, the north and south side being formed by the wings of the building. All of the north wing is occupied by the information bureau. The room is 30x50 feet, and is divided into offices by wire railings. In the south wing is the parlor for men, a writing room, a smoking room, and toilet rooms. On the second floor of the north wing is the assembly room, 30x42 feet. The second floor of the south wing has a press correspondents' room, servants' rooms, bed and bath rooms. The building cost \$35,000. 9

OREGON.

Following are the members of the Oregon State Board of Commissioners: George T. Myers, President, Portland; Phil Metschan, Treasurer, Salem; C. B. Irvine, Secretary, Salem; W. F. Matlock, Pendleton; J. R. Carroll, Portland; E. B. McElroy, Salem; C. W. Ayres, Ashland; Mrs. M. Peyton, Salem; Mrs. E. W. Allen, Portland; George W. McBride, Salem; Henry Klippel, Medford; M. Wilkins, Coburg; J. A. Wright, Sparta.

National Board Lady Managers: Mrs. E. W. Allen, Portland; Mrs. Mary Payton, Salem. Alternates: Mrs. Anna R. Riggs, Portland; Mrs. Hattie E. Sladden, Eugene City.

National Commission: Henry Klippel, Jacksonville; Martin Wilkins, Eugene City. Alternates: J. L. Morrow, Heppner; W. T. Wright, Union.

Oregon's Legislature made a large appropriation, but that State has no building. An exhibit is made in the Department of Horticulture.

PENNSYLVANIA.

Following are the members of the Pennsylvania State Board of Commissioners: G. Robert E. Pattison, President, Harrisburg; Louis A. Watres, Vice-President, Scranton; Robert E. Wright, Secretary, Harrisburg; J. S. Dillinger, Assistant Secretary, Harrisburg; Rodney A. Mercur, Treasurer, Towanda; A. B. Farquhar, Executive Commissioner, Harrisburg; John A. Woodward, Deputy Executive Commissioner, Harrisburg; Wilson M. Gearhart, Chief Clerk, Harrisburg; Albert J. Barr, Pittsburg; Luther S. Bent, Steelton; E. A. Bigler, Clearfield; Thomas Bradley, Philadelphia; Robert L. Brownfield, Philadelphia; John I. Carter, Chatham, Chester County; W. W. Clendenin, New Castle; L. Clarke Davis, Philadelphia; Lewis Emery, Jr., Bradford; P. Foley, Pittsburg; J. P. S. Gobin, Lebanon; James M. Guffey, Pittsburg; Wm. B. Gill, Philadelphia; J. K. P. Hall, St. Mary's, Elk County; Wm. Hasson, Oil City; Joel A. Herr, Cedar Springs, Clinton County; Mrs. Mabel Cronise Jones, Harrisburg; Mrs. Harriet Anne Lucas, Philadelphia; H. J. McAteer, Alexandria; Miss Mary E. McCandless, Pittsburg; Towanda; Thomas P. Merritt, Reading; Simon Muhr, Philadelphia; Robert Purvis, Philadelphia; R. Bruce Ricketts, Wilkesbarre; Geo. N. Riley, Pittsburg; A. G. Rœnigk, Pittsburg; Roger S. Searle, Montrose; A. W. Taylor, Philadelphia; Mrs. Ida A. Elkins Tyler, Philadelphia; C. C. Thompson, Warren; Joseph C. Walker, Gap, Lancaster County; Benjamin Whitman, Erie; P. A. B. Widener, Philadelphia; Edward H. Williams, Philadelphia; Morgan B. Williams, Wilkesbarre; John W. Woodside, Philadelphia; Mrs. Matilda Holt Shelton, Commissioner of Woman's Work, Philadelphia.

National Board Lady Managers: Miss Mary E. McCandless, Pittsburg; Mrs. Harriet Anne Lucas, Philadelphia. Alternates: Mrs. Samuel Plumer, Franklin; Mrs. W. S. Elkins, Philadelphia.

National Commission: R. B. Ricketts, Wilkesbarre; John W. Woodside, Philadelphia. Alternates: Geo. A. Macbeth, Pittsburg; John K. Hallock, Erie.

The Pennsylvania State Building is in the colonial style of architecture, while the front is an exact reproduction of old Independence Hall, having its entrances, bell-tower and spire. Independence bell hangs in the rotunda. The rotunda within the entrance is finished in tile and slate, like the old hall. The building is rectangular in form, two stories high, with a ground area of 110x166 feet. The corners of the front are quarter-circled in. Piazzas 20 feet wide surround the building, and over them are verandas, with protecting balustrade. Outside staircases, right and left to the rear, lead to the garden on the roof. This roof is covered with American-made tin produced in Philadelphia. The outer walls to the roof line are of Philadelphia pressed brick. Above the main entrance is the coat-of-arms of the state in bas-relief, and on either side of it are heroic statues of Penn and Franklin. The front is further ornamented with two free groups of statuary, one emblematic of the arts and sciences, the other of mines and manufacture. The interior finishing represents, in the floors, native marble and hard woods from Pennsylvania, and the walls are wainscoted in wood, frescoed, and heavily corniced. The women's rooms are finished in maple, and the men's in oak. The walls of the women's rooms are ornamented with mural paintings by Pennsylvania women. All the ceilings are of stamped metal, and the staircases are of quartered oak. On the main floor is the reception room, 33x56 feet, and on either side are parlors for men and women. On the second floor are rooms for the Governor, the press correspondents, the treasurer of the commission, and the board of commissioners. There are three bedrooms in the tower. The building is supplied with 800 electric lights, and cost \$80,000.

The following interesting relics are on exhibition in the Pennsylvania Building: Portraits of William Penn; Hannah, his wife and a chair owned by Penn; a

punchbowl used by Washington during the Revolution; portrait of Washington painted when he was commander in chief of the Continental army; portrait of Thomas Johnston, who made the motion to have Washington appointed commander-in-chief; plaster cast of Washington; Gen. Anthony Wayne's sword; silver lamp used in Philadelphia during the Revolution; bootjack and appliance left by a British officer at the home of Joseph Martin, Philadelphia, at the time of the evacuation; fork and spoon from Valley Forge; waistcoat worn at republican court; lace scarf pin worn by Mrs. John Adams when she sat to Stuart for her portrait; model of the ship Constitution; portrait of Chevalier Gerard, first French minister to the United States; watch and vest and stockings worn by Charles Carroll when he signed the Declaration of Independence; hymn book printed in Germantown in 1772; manuscript of the first prayer in Congress in the penmanship of John Hancock; chair used by John Hancock, first President of Congress, and also his sword and desk. The Old Liberty Bell is placed on a handsome raised platform built on rollers, so that in case of fire it can be rolled into the open air in three minutes' time.

RHODE ISLAND.

Following are the members of the Rhode Island State Board of Commissioners: E. Benjamin Andrews, President, Providence; Arthur H. Watson, Vice-President, Providence; Charlotte F. Dailey, Secretary and Treasurer, Providence; John C. Wyman, Executive Commissioner, Providence; John P. Sanborn, Newport; Hiram Howard, Providence; Walter A. Peck, Providence; Marsden J. Perry, Providence; Daniel B. Pond, Woonsocket; Richard Thornley, Greenwich.

National Board Lady Managers: Mrs. Amey M. Starkweather, Pawtucket; Miss Charlotte F. Dailey, Providence. Alternates: Mrs. George A. Mumford, Pawtucket; Miss Loraine P. Bucklin, Providence.

National Commission: Lyman B. Goff, Pawtucket; Gardiner C. Sims, Providence. Alternates: Jeffrey Hazard, Providence; Lorillard Spencer, Newport.

The Rhode Island Building cost \$8,000. It is after the Greek manner, with columnar porticos on four sides of the building, that on the west or front side semi-circular in plan, with arched openings between the Ionic pilasters, the latter being of the full height of the two stories.

The building is amphiprostyle in that the north and south porches—each of the full width of the building—consist of four fluted Ionic columns, each 24 inches in diameter and 21 feet high, while the rear entrance is between Ionic fluted pilasters, the same as in front.

The columns are surmounted by an enriched Ionic entablature with decorated moldings, modillions and dentils, and above the entablature the building is finished with a balustrade surrounding the four sides of the roof, with ornamental urns over each pedestal in the balustrade. The building has ground area of 32x59 feet, two stories high, in wood and staff, in imitation of granite. Entrance is had to the building from all sides through French windows opening to the floor. The main hall is 18x25 feet, and is open in the roof. The parlor for women and the secretary's office are on the first floor. On the second floor are two committee rooms and a gallery around the main hall. The Governor's room occupies what may be called the second story of the porch on the west front. All the floors are hard wood, and the interior is furnished in cypress.

SOUTH CAROLINA.

National Board Lady Managers: Miss Florida Cunningham, Charleston; Mrs. E. M. Brayton, Columbia. Alternates: Mrs. Clark Waring, Columbia; Mrs. C. A. Perry, Walhalla.

National Commission: A. P. Butler, Columbia; John R. Cochran, Walhalla. Alternates: E. L. Roche, Charleston; J. M. Tindal, Sumter.

The South Carolina Legislature voted adversely on the question of making an appropriation, therefore that State has no building. An exhibit is made in the Department of Mines and Mining.

SOUTH DAKOTA.

Following are the members of the South Dakota State Board of Commissioners: L. G. Ochsenreiter, President, Webster; T. H. Brown, Secretary, Sioux Falls; W. W. Taylor, Treas-

urer, Redfield; C. E. Hinds, Woonsocket; William M. Powers, Yankton; F. T. Evans, Sr., Hot Springs; P. F. McClure, Pierre; J. E. Pilcher, Custer City; John Baker, Deadwood; T. G. Quarve, Langford.

Women's World's Fair Commission: Mrs. Wm. Duff Haynie, President, Rapid City; Mrs. J. S. Oliver, Vice-President, Huron; Mrs. L. Q. Jeffries, Secretary, East Pierre; Mrs. John E. Bennett, Treasurer, Clark; Mrs. A. C. Mellette, Watertown; Mrs. W. A. Burleigh, Yankton; Mrs. Geo. A. Silsby, Mitchell; Mrs. J. A. Trow, Madison; Mrs. Marie J. Gaston, Deadwood.

National Board Lady Managers: Mrs. John R. Wilson, Deadwood; Mrs. H. M. Barker, Huron. Alternates: Mrs. C. E. Daniels, Watertown; Mrs. Marie J. Gaston, Deadwood.

National Commission: Merritt H. Day, Rapid City; William McIntyre, Watertown. Alternates: S. A. Ramsey, Woonsocket; L. S. Bullard, Pierre.

The South Dakota State Building has a ground area of 70x126 feet, and is two stories high and cost \$20,000. The structure is frame, the exterior being covered with Yankton cement, in imitation of stone work. The roof is corrugated iron and the cornice and brackets are pressed zinc. The main entrance is on the east, along which front extends a wide porch with heavy columns supporting a balcony from the second story. On the left of the main entrance is a women's parlor, on the right a men's reception room. In the main body of the building is the exhibition hall, 44x58 feet. Six feet above the main floor is an entresol, having committee rooms for the boards of commissioners. In the northwest corner of the main floor is a room for press correspondents. The rotunda in the center of the building extends through to the roof and is covered with a skylight. The second floor is devoted to rooms for the women's exhibit and special State exhibits.

TENNESSEE.

National Board Lady Managers: Mrs. Laura Gillespie, Nashville; Mrs. Susan Gale Cooke, Knoxville. Alternates: Mrs. Carrington Mason, Memphis; Mrs. J. J. McClung, Knoxville.

National Commission: Lewis T. Baxter, Nashville; Thomas L. Williams, Knoxville. Alternates: Rush Strong, Knoxville; A. B. Hurt, Chattanooga.

The Tennessee Legislature failed to make an appropriation, hence there is no State Board of Commissioners nor State building. The mining town of Harri-man makes an exhibit in the Mines Building, but otherwise there is no collective exhibit shown.

TEXAS.

Following are the members of the Texas State Board of Commissioners: H. B. Andrews, President, San Antonio; William F. Ladd, 1st Vice-President, Galveston; A. C. Herndon, 2d Vice-President, Houston; D. D. Bryan, Secretary, Galveston; W. L. Moody, Treasurer, Galveston; R. B. Parrott, Waco; W. C. Connor, Dallas; J. S. Rice, Hyatt; J. N. Browning, Clarendon; Julius Runge, Galveston; George Mann, Galveston; John Adriance, Galveston; Walter Gresham, Galveston; Mrs. W. H. Tobin, President State Board of Lady Managers, Austin; Mrs. Rosine Ryan, Lady Manager-at-large, Austin.

National Board Lady Managers: Mrs. Ida L. Turner, Fort Worth; Mrs. Mary A. Cochran, Dallas. Alternates: Mrs. K. C. McDaniel, Anderson. (Vacancy.)

National Commission: Archelaus M. Cochran, Dallas; John T. Dickinson, Austin. Alternates: Lock McDaniel, Anderson; Henry B. Andrews, San Antonio.

Texas has erected a handsome building on the right of the north entrance to the Exposition grounds, and this notwithstanding the failure of the State Legislature to make an appropriation on account of constitutional prohibition. The money for the structure was raised by the Women's World's Fair Exhibit Association of Texas, with headquarters at Austin, the State capital. General regret was expressed when the solons of the Lone Star State failed to make a suitable appropriation for the representation of the resources of that great commonwealth. Mr. John T. Dickinson, the efficient secretary of the National Commission, is a resident of Texas, and he did all in his power to bring about a more favorable and extensive exhibit from his native and beloved State. He wrote numerous articles for the Texas newspapers, traveled and spoke all over the State, induced other prominent Exposition officials to help him in the work of creating a sentiment which would crystallize into favorable action by the law-making powers, and was materially aided in his efforts by numerous prominent citizens of Texas, but to the chagrin and disappointment of thousands of pro-



JOHN P. ALTGELD,
GOVERNOR OF ILLINOIS.

gressive and enterprising Texans, as well as to their numerous friends all over the country, the appropriation failed to pass, and Texas, once an entire republic itself and now one of the finest, best and most progressive in the galaxy of the States of this union, is not represented at the Fair in such manner as becomes its grandeur. All credit, however, to the noble band of ladies of the Exhibit Association for what Texas *has* to show. In the treatment of the design of the Texas Building the architect has not deflected from the history of the Lone Star State, which, from its foundation, has been marked by a Spanish tinge, whose architectural inclination and handsome botanical effects lay down a chain of thought far too beautiful to be forsaken for that of the present day; therefore, the building was designed for colonnades, grounds, fountains, foliage, etc. It contains an assembly room 56 feet square, 28 feet high, provided with art glass skylight in the ceiling, with a mosaic Texas star in the center. The rostrum, ante-rooms, etc., are furnished in the natural woods of Texas. One wing contains rooms for bureau of information, register, messenger, telephone, telegraph, directors, Texas Press Association headquarters, commissioners, historical museum and library, toilet rooms, county collective exhibits, etc. The main entrances are through vestibules, flanked on either side by niches and colonnades. The main vestibules terminate in a large auditorium, connecting with the rooms mentioned.

VERMONT.

Following are the members of the Vermont State Board of Commissioners: Gov. L. K. Fuller, Brattleboro, Ex-officio; H. H. McIntyre, Secretary, Treasurer and Executive Commissioner, West Randolph; B. B. Smalley, President, Burlington; A. J. Sibley, Montpelier; A. F. Walker, Chicago, Ill.; Mrs. Ellen M. Chandler, Pomfret; Mrs. Elizabeth V. Grinnell, Burlington; Mrs. Theresa J. Cochran, Groton; Mrs. Mina G. Hooker, Brattleboro.

National Board Lady Managers: Mrs. Ellen M. Chandler, Pomfret; Mrs. Elizabeth V. Grinnell, Burlington. Alternates: Mrs. M. G. Hooker, Brattleboro; Mrs. T. J. Cochrane, Groton.

National Commission: Henry H. McIntyre, West Randolph; Bradley B. Smalley, Burlington. Alternates: Aldace F. Walker, Rutland; A. J. Sibley, Montpelier.

The Vermont State Building is one of the most unique and original on the grounds. On the right and left of the steps on the facade rise two shafts, on which are allegorical figures representing the industries of agriculture and quarrying—the two principal industrial activities of the State. One enters through a columned portico into a courtyard, on the right and left of which are covered porches with broad seats. Just off these are the reception rooms in front and committee room, postoffice, etc., in the rear. In the center of the court is a handsome marble fountain. Marble from the quarries of the State is used all through the interior of the building. Facing the end of the court is a porch, supported by four carytids, over which is a semicircular Greek window with bas-relief around it representing "Freedom and Unity." The coat-of-arms is in the center. The reception hall, which is located in the rear, is circular in form, with a colonnade around, and a wooden dome surmounts the structure. All is colored according to a Pompeian scheme. The building is Pompeian in style and of classic detail, and furnishes a most unique contrast to the other buildings.

VIRGINIA.

Following are the members of the Virginia State Board of Commissioners: A. S. Buford, President, Richmond; John L. Hurt, Vice-President, Hurt's Store; T. C. Morton, Secretary, Richmond; M. S. Quarles, Treasurer, Richmond; John S. Apperson, Executive Business Commissioner, Richmond; Dr. A. Brockenbrough, Chesapeake; M. Glennan, Norfolk; Geo. B. Finch, Boynton; W. I. Jordan, South Boston; J. N. Brenaman, New Market; Grenville Gaines, Warrenton; Martin Williams, Bland C. H.; J. H. H. Figgatt, Fincastle; Mrs. Lucy P. Beale, Buchanan; Mrs. F. J. Leigh, Norfolk.

National Board Lady Managers: Mrs. John S. Wise, Richmond; Mrs. K. S. G. Paul, Harrisonburg. Alternates: Miss Mattie P. Harris, Staunton; Mrs. M. H. Harrison, Westover.

National Commission: Virginus D. Groner, Norfolk; John T. Harris, Harrisonburg. Alternates: Charles A. Heermans, Christiansburg; Alexander McDonald, Lynchburg.

A very unique structure has been erected for Virginia, at a cost of \$25,000. It covers an area of 175x185 feet, and lies near the lake and opposite the Mary-

land Building. The structure is an exact representation of the Mount Vernon mansion in Fairfax county, Virginia, near Washington city, the building in which George Washington lived and died. It got into his hands from his brother, Lawrence Washington, and was built in the early part of the last century by his father. The main building is 94x32 feet, two stories and an attic and a two-story portico, with large columns extending along the whole front, being 94 feet long, 13 feet high and 14 feet wide. The portico extends up to the cornice of the roof, has an ornamental railing around the top and is furnished with settees along the whole length next the wall. There are two colonnades running back from each wing of the building to the rear about 20 feet long, 9½ feet wide and 11 feet high, connected each with a one-and-a-half story structure, 40x20 feet. These are called the dependencies. Altogether there are twenty-five rooms in the structure. On the first and second floors of the main building there are eleven rooms, in the attic six, and in each of the dependencies four rooms. The largest rooms in the house are the banquet hall, 31x23 feet, and the library 16x19 feet, the main entrance hall, Washington's chamber, in which he died, upon the second floor, and Mrs. Washington's chamber in the attic, to which she removed after her husband's death and which she occupied during the remainder of her life on account of its being the only room in the house which looked out upon his tomb. The apartments average upon the first floor 17x17 feet, upon the second 17x13 feet. The height of the first story is 10 feet 9 inches; of the second, 7 feet 11 inches; of the attic, 6 feet 9 inches. The distance from the ground to the top of the cupola is 50 feet. In the main hall is a large stairway four feet wide, ascending by platforms to the floors above. On the first platform of the stairway there is an old Washington family clock, a very interesting historical relic. This hall is furnished with antique sofas and pictures of the last century. The rooms upon the first floor are ornamented by heavy carved and molded wood trimmings and handsome mantles, very antique. This Virginia Building is not only an exact representation in every particular of the old Mount Vernon structure, but everything within it is also of the same character. Nothing modern is seen in the building, except the people and the library of books by exclusively Virginia authors. As far as could be done the building was furnished with articles which were collected from all over the state, the heirlooms of old Virginia families, and with portraits of the same character. Whatever may be lacking in furnishing the building with articles of this character is supplied with furniture made after the same old fashion. The building is presided over by the Lady Assistant of the Virginia Board, Mrs. Lucy Preston Beale, a daughter of Hon. Ballard Preston and a grand-daughter to General Preston, a former Governor of Virginia. She has for the attendants in the building old Virginia negroes, and undertakes to represent in every particular an old Virginia home of the Colonial period. There is a very rare collection of relics of Colonial times and of the Revolutionary War, and everything which is antique, among which is exhibited a copy of the original will of George Washington. The library is furnished entirely with books written by Virginians or relating to Virginia, quite a large collection of which has been made, and ornamented with old Virginia portraits, views and other relics of the Colonial period and the last century. Altogether the building with its furnishings is unequalled in its character and appointments and nothing like it will be found elsewhere except at Mount Vernon itself.

WASHINGTON.

Following are the members of the Washington State Board of Commissioners: N. G. Blalock, President, Walla Walla; S. B. Conover, Vice-President, Port Townsend; P. C. Kauffman, Secretary, Tacoma; G. V. Calhoun, Executive Commissioner, La Conner; P. W. Rochester, Assistant Executive Commissioner, Seattle; L. R. Grimes, Ellensburg; W. L. La Follette, Pullman; T. H. Cavanaugh, Olympia; C. H. Ballard, Condon.

Washington Board of Lady Managers: Mrs. Alice Houghton, President, Spokane; Mrs. C. W. Griggs, Secretary, Tacoma; Mrs. M. D. Owings, Olympia; Mrs. Josephine Ettinger, Palouse City.

National Board Lady Managers: Mrs. M. D. Owings, Olympia; Mrs. Alice Houghton, Spokane. Alternates: Mrs. C. W. Griggs, Tacoma; Mrs. J. H. Stimson, Colfax.

National Commission: Henry Drum, Tacoma; Charles B. Hopkins, Spokane Falls. Alternates: Geo. F. Cummin, Cheney; Clarence B. Bagley, Seattle.

The Washington State Building embraces a main hall, space 118x72 feet, to which are connected two wings, 118x40 feet, and cost \$100,000. The main entrance on the east, and from each corner of the main structure square towers rise up, inclosing staircases to galleries. These galleries are 52x15 feet, overlooking the main hall. The east entrance of the building is under a great stone arch, which is the only stonework about the structure. This arch is built of alternate blocks of gray tinino, blue chuckanut, and white Pittsburg stone. Foundations of the buildings are of great fir logs, laid five deep. Two base logs at the north and south ends are each 127 feet long, and after having been slabbed off very deeply are still eight feet in diameter at the butt ends. The heavier of these weighs 36,000 pounds and occupied four flat cars in transit. In squaring three sides enough lumber was cut away to build a good-sized cottage, while in the log itself is material for a big house. These logs have all been squared on three sides, presenting a rounded surface to the outside. These are left in their natural state. The largest of these sections was cut from trees 600 feet in height, which had not a branch less than 150 feet from the earth. This foundation constitutes a timber exhibit from Washington. The two wings form a single room each, and are devoted to State exhibits. Nearly all of the first floor of the main building is devoted to a reception room, while in the second story are committee rooms, parlors, reception and toilet rooms. The roof is of shingles, and the interior is finished in cedar and fir. All of the material used in the building comes from Washington, the lumber coming from Puget Sound, while the main entrance, an important decorative feature, is of granite, marble, and ore from quarries within the State. The sky-reaching flag-staff, 208 feet in height, was first 236 feet in length. It is of native timber, and weighs 32 tons. To her sister States Washington has donated about 40 flag-poles, ranging from 100 to 125 feet in length, placed in front of their respective headquarters. At first view the Washington Building, with its quaint towers, reminds one of a Holland residence and windmill. It is unlike any other structure on the grounds, and sure to invite favorable attention. The commissioners have spent \$100,000 in collecting a State exhibit.

WEST VIRGINIA.

Following are the members of the West Virginia State Board of Commissioners: W. N. Chancellor, President, Parkersburg; M. C. McKay, Secretary, Parkersburg; George M. Bowers, Treasurer, Martinsburg; R. S. Carr, Charleston; John S. Naylor, Wheeling; Sidney Haymond, Quiet Dell.

National Board Lady Managers: Mrs. W. Newton Linch, Martinsburg; Miss Lily Irene Jackson, Parkersburg. Alternates: Mrs. G. W. Z. Black, Halltown; Miss Annie M. Mahan, Fayetteville.

National Commission: James D. Butt, Harper's Ferry; J. W. St. Clair, Fayetteville. Alternates: John Corcoran, Wheeling; Wellington Vrooman, Parkersburg.

The West Virginia Building is in the Colonial style, two stories high, with a pitched roof, the outer walls being weatherboarded and painted, and cost \$20,000. It is representative of the West Virginia residence. The roof is shingled. The interior is finished in hard wood the walls are plastered, and the ceilings are of ornamental iron work from Wheeling. All of the exposed material in the building is the product of the State. The main entrance is on the west, on a platform porch. Above the entrance is the coat of arms of the State in bas-relief. Within the entrance is a vestibule, with rooms for the boards of commissioners on either side. Beyond the vestibule is a large reception hall flanked by parlors for women and men. Back of these parlors are toilet and retiring rooms. On the second floor front are two committee rooms, and the balance of the floor constitutes an assembly room and reception hall 34x76 feet in size. There are four large fireplaces in the building, two on each floor, with very handsome carved wood mantels. The building has a ground area of 58x123 feet.

WISCONSIN.

Following are the members of the Wisconsin State Board of Commissioners: A. Ledyard Smith, President, Appleton; Hugh H. Price, Vice-President, Black River Falls; Chas. W. Graves, Secretary, Viroqua; John H. Savage, Treasurer, Shullsburg; Robert B. Kirkland, Executive Commissioner, Jefferson; Phillip Allen, Jr., Mineral Point; Mrs. John Winans, Janesville; Harry B. Sanderson, Milwaukee; Mrs. Geo. C. Ginty, Chippewa Falls; Mrs. William Pitt Lynde, Milwaukee; John M. Coburn, West Salem; William Rahr, Manitowoc.

National Board Lady Managers: Mrs. Flora B. Ginty, Chippewa Falls; Mrs. William P. Lynde, Milwaukee. Alternates: Mrs. S. S. Fifield, Ashland; Mrs. J. M. Smith, Mineral Point.

National Commission: Phillip Allen, Jr., Mineral Point; John N. Coburn, West Salem. Alternates: David W. Curtis, Fort Atkinson; Myron Reed, Superior.

In architecture, this building represents the Wisconsin home, being designed in no special style. All the visible material comes from Wisconsin. The exterior is of Ashland brown stone, Menomonee pressed brick, and hard woods from various sections of the State. The roof is covered with dimension shingles. The window glass is plate. It is practically three stories high, but apparently only two, one story being in the roof. Its ground area is 80x90 feet, exclusive of the verandas on the east and west, which are 18 feet wide. The semicircular verandas on the north and south are entered only from the interior of the building. The second and third stories have verandas on the east and west. The main entrance faces the east and is 18 feet wide. The interior is finished entirely in oiled hard wood. The first floor is tiled and the ceiling is paneled in hard wood. On this floor are three fire-places, with mantels in oak and maple. The first floor has a large reception room, men's and women's parlors and toilet rooms, an intelligence office and a postoffice. The second floor has a historical room, and offices for the commissioners. On the west side of the floor is a large stained glass window, presented by the city of West Superior. This beautiful piece of workmanship is much admired by all. On this floor are two very elegant mantels in pressed brick. The third floor contains eight large bedrooms. Taken altogether, this structure is one of the most tasty and convenient on the grounds. The building cost \$30,000.

WYOMING.

Following are the members of the Wyoming State Board of Commissioners: John S. Harper, President, Sundance; Elwood Mead, Secretary, Cheyenne; John McCormick, Treasurer, Sheridan; Frank O. Williams, Saratoga; L. D. Ricketts, Cheyenne.

National Board Lady Commissioners: Mrs. F. H. Harrison, Evanston; Mrs. Francis E. Hall, Cheyenne. Alternates: Mrs. Elizabeth A. Stone, Evanston; Miss Gertrude M. Huntington, Saratoga.

National Commission: Asahel C. Beckwith, Evanston; Henry G. Hay, Cheyenne. Alternates: Asa S. Mercer, Cheyenne, John J. McCormick, Sheridan.

The Wyoming Building is in style a modern club house. The dimensions are 70 feet in length, by 60 feet in width. It is located in the extreme north end of the grounds, commanding an interesting view across the park-like portions of the grounds reserved for State buildings. It is also convenient to the steamboat landing. The interior arrangement consists of a main hall 24x40 feet, with two offices on the first floor, which are used for the reception and entertainment of visitors, while the collective exhibit is placed in the main hall. From here a circular stairway ascends to the second story, where the toilet rooms are located. The gallery around the hall and doors leads out upon the balconies on each of the four sides. The building is in the French chateau style, and the panels of the main frieze exterior contain elaborately wrought hunting and pastoral scenes. The people of Wyoming realize that the Exposition offers an unusual opportunity to make known to the world the varied material resources of their State; her coal lands, wells of oil, soda deposits and rich mines of iron and precious metals. The exhibit is arranged with the object of showing forth the advantages of the State, both to home-seekers of limited means and capitalists seeking fields of investment. To this end the classification includes Wyoming's best specimens of wheat, corn, oats, barley, rye, buckwheat, native and cultivated grasses and forage plants. Irrigation methods are illustrated with maps and

diagrams. The live stock exhibit includes the best specimens of blooded horses and cattle, and illustrations of methods of handling range horses, cattle and sheep. The committee on horticulture and floriculture have made their departments as complete as possible, representing all perishable articles by fac-similes in wax or plaster. Specimens of the present and extinct animal life of the State petrefactions, Indian implements, dress, and ornaments have been carefully collected by the committee on scenic exhibits, and form a most interesting feature of the State's contribution. The committee also endeavors by means of paintings, photographs and models, to illustrate other striking features of Wyoming and its leading industries.

ALASKA.

National Board Lady Managers: Mrs. A. K. Delaney, Juneau; Mrs. Isabella J. Austin, Sitka. Alternates: Miss Maxwell Stevenson, Juneau; Mrs. Lena Vanderber, Sitka.

National Commission: Edward de Groff, Sitka; Louis L. Williams, Juneau. Alternates: Carl Spuhn, Killisnoo; N. A. Fuller, Juneau.

This Territory has no Territorial Commissioners; and while it has no building, exhibits are made in the United States Government Building under the auspices of the Interior Department.

ARIZONA, NEW MEXICO AND OKLAHOMA.

[These territories have a building jointly, described below.]

Following are the members of the Arizona State Board of Commissioners: S. P. Behan, President, Prescott; Will C. Barnes, Vice-President, Holbrook; R. C. Brown, Treasurer, Tucson; W. K. Mead, Tombstone, George F. Coates, Phoenix; Miss Lorette Lovell, Tucson; Mrs. T. J. Butler, Prescott.

National Board Lady Managers: Mrs. Thomas J. Butler, Prescott; Miss Laura Lovell, Tucson. Alternates: Mrs. George Hoxworth, Flagstaff; Mrs. H. J. Peto, Tombstone.

National Commission: George F. Coats, Phoenix; Wm K. Meade, Tombstone. Alternates: W. L. Van Horn, Flagstaff; Herbert H. Logan, Phoenix.

Following are the members of the New Mexico Territorial Board of Commissioners: W. T. Thornton, President, Santa Fé; Miguel Salazar, Vice-President, Las Vegas; W. H. H. Llewellyn, Secretary, Las Cruces; E. V. Chavez, Treasurer, Socorro; Alice B. Montgomery, Assistant Secretary, Eddy; E. B. Mills, Superintendent of Exhibits, Las Vegas.

National Board Lady Managers: Mrs. Cora L. Bartlett, Santa Fé; Mrs. Franc L. Albright, Albuquerque. Alternates: Mrs. Louisa D. Campbell, Eddy; Miss Lucia Paria, Albuquerque.

National Commission: T. C. Gutierrez, Albuquerque; R. M. White, Hermosa. Alternates: Louis C. Tetard, Las Vegas, C. B. Eddy, Eddy.

Following are the members of the Oklahoma Territorial Board of Commissioners: Gov. A. J. Seay, President, Guthrie; Mort. Bixler, Vice-President, Norman; H. C. St. Clair, Treasurer, Kingfisher; Miss Mattie B. Kelso, Secretary, El Reno; A. C. Scott, Executive Commissioner, Oklahoma City; Lyman Cone, Superintendent of Exhibits, Guthrie; C. A. Holit, Beaver City; Miss May I. Overstreet, Beaver City; Mrs. Mort. Bixler, Norman; Mrs. H. C. St. Clair, Kingfisher; E. L. Hallock, Guthrie; Mrs. C. M. Barnes, Guthrie; W. D. Holloman, Oklahoma City; Mrs. A. M. Halloman, Oklahoma City; J. E. Sater, Stillwater; Mrs. J. E. Sater, Stillwater; Rev. J. H. Buchanan, Chandler; Mrs. J. H. Buchanan, Chandler; Dr. Chas. W. Kirk, Tecumseh; Mrs. Chas. W. Kirk, Tecumseh; A. L. Goddard, El Reno.

National Board Lady Managers: Mrs. M. P. H. Beeson, Reno City; Mrs. Genevive Guthrie, Oklahoma City. Alternates: Mrs. Julia Wallace, Oklahoma City; Mrs. Mary S. McNeal, Guthrie.

National Commission: Othneil Beeson, Reno City; Frank R. Gammon, Guthrie. Alternates: John Wallace, Oklahoma City; Joseph W. McNeal, Guthrie.

The joint building of the Territories of Arizona, New Mexico and Oklahoma occupies an advantageous location among the other State and Territorial buildings in the north end of the grounds. It is two stories in height, 28 feet over all, and has a frontage of 90 feet. It is ornamental in design and of a composite character, the lower story being supported by Doric columns. The main building is divided into three departments, one floor for each Territory, each department having a grand reception room in the center, flanked on each side by parlors. The offices of the commissioners are grouped around the main reception rooms, dividing them from the parlors on each side. It is a frame building, finished in acme cement plaster, and is used for various exhibits as well as for the general headquarters.

UTAH.

Following are the members of the Utah Territorial Board of Commissioners: R. C. Chambers, President, Salt Lake City; Richard Mackintosh, Vice-President, Salt Lake City; E. A. McDaniel, Secretary, Ogden; Heber M. Wells, Treasurer, Salt Lake City; N. A. Empey, Executive Commissioner, Salt Lake City.

Territorial Board Lady Managers: Mrs. F. S. Richards, President, Salt Lake City; Mrs. F. D. Richards, Vice-President, Ogden; Mrs. Electa Bullock, Provo; Mrs. C. W. Lyman, Salt Lake City; Mrs. G. W. Thatcher, Logan; Miss May Preston, Secretary, Salt Lake City.

Salt Lake County World's Fair Association: Executive Board: Mrs. E. B. Wells, President; Mrs. G. Y. Wallace, 1st Vice-President; Mrs. Priscilla Jennings, 2d Vice-President; Mrs. Margaret A. Caine, Secretary; Miss Emma McCormick, Assistant-Secretary; Mrs. Bertha Bamberger, Treasurer; Mrs. C. E. Allen, Mrs. Ann D. Groesbeck, Mrs. Sarah Boggs, Mrs. Kate Smith, Mrs. Amelia F. Young.

National Board of Lady Managers: Mrs. M. B. Salisbury, Salt Lake City; Mrs. T. A. Whalen, Ogden. Alternates: Miss Maggie Keogh, Salt Lake City; Mrs. Susan B. Emery, Park City.

National Commission: P. H. Lannan, Salt Lake City; Fred J. Kiesel, Ogden. Alternates: Charles Crane, Kanosh; Wm. M. Ferry, Park City.

The Utah Building is frame covered with staff. It is two stories high, and has an area of 46x82 feet. In style the facade is modern Renaissance. The foundation, columns, pilasters, cornice and other ornamental parts are made in imitation of the different kinds of stone in Utah. The walls are lined off in imitation of adobes. On the first floor is an exhibit hall, 41x45 feet, open to the roof and covered with a skylight. In the rear of this hall is a circular bay, and in this is the main stairway.

This building has chaste and simple outlines, and is an ornament to the grounds, standing as it does among the other state edifices, and lending its handsome exterior to the group. It is a worthy illustration of the taste of the people of that territory, and will attract the visitor by its novelty.

Its interior is planned with a special view to the comfort of those who make it their headquarters. The two stories are laid out in nearly the same fashion, comprising on the first floor several rooms for the use of the commissioners. A reception room is placed here, as also the secretary's office, and women's parlor. The second floor is similar in arrangement to the first, there being an exhibition room, 41x45 feet, and various office rooms. The building cost \$15,000.



COMMISSIONERS FROM FOREIGN COUNTRIES.

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| 1. SIR HENRY WOOD,
<i>Great Britain.</i> | 2. HON. ADOLPH WERMUTH,
<i>Germany.</i> | 3. ASTERE VERCRUISSE,
<i>Belgium.</i> |
| 4. H. E. IMPERIAL CHAMBERLAIN
P. DE GLOUKHOVSKOY,
<i>Russia.</i> | 5. IBRAHIM HAKKY BEY,
<i>Turkey.</i> | 6. H. E. MARSHAL JOSE SIMEAO DE
OLIVERIA,
<i>Brazil.</i> |
| 7. H. E. SENOR DON ENRIQUE DUPUY
DE LOME,
<i>Spain.</i> | 8. HON. S. TEGIMA,
<i>Japan.</i> | 9. HON. ANTON VON PALITSCHEK-
PALMFORST,
<i>Austria.</i> |
| 10. CHR. RAVN,
<i>Norway.</i> | 11. ARTHUR LEFFLER,
<i>Sweden.</i> | 12. HON. DR. ARTHUR RENWICK,
<i>New South Wales.</i> |
| 13. HON. J. J. GRINLINTON,
<i>Ceylon.</i> | 14. J. J. QUELCH,
<i>British Guiana.</i> | 15. HON. FREDERICK DOUGLAS,
<i>Haiti.</i> |



COMMISSIONERS FROM FOREIGN COUNTRIES.

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| 1. PROF. VLKLS I. SHOPOFF,
<i>Bulgaria.</i> | 2. L. WEINER,
<i>Cape Colony.</i> | 3. PHRA. SURIYA NUVATR,
<i>Siam.</i> |
| 4. DR. FRANCISCO BUSTAMANTE,
<i>Venezuela.</i> | 5. E. SPENCER PRATT,
<i>Persia.</i> | 6. GEORGE BIRKOFF,
<i>Netherlands.</i> |
| 7. WM. E. ROTHERY,
<i>Liberia.</i> | 8. COL. M. N. ARIZAGA,
<i>Ecuador.</i> | 9. MILTON O. HIGGINS,
<i>Curacao.</i> |
| 10. T. PAREDES,
<i>Columbia.</i> | 11. SR. D. MANUEL M. DE PERALTA,
<i>Costa Rica.</i> | 12. DR. EMIL HASSLER,
<i>Paraguay.</i> |
| 13. J. S. LARKE,
<i>Canada.</i> | 14. ARNOLD HOLLINGER,
<i>Switzerland.</i> | 15. SIGNOR V. ZEGGIO,
<i>Italy.</i> |

FOREIGN PARTICIPATION.

The foreign countries which are officially participating in the Exposition are as follows. The total amount of their appropriations is over \$6,000,000:

Argentine Republic,	Cape Colony,	Netherlands,
Austria,	Ceylon,	Curaçao,
Belgium,	India,	Norway,
Brazil,	Jamaica,	Orange Free State,
Bulgaria,	New South Wales,	Paraguay,
Chili,	Trinidad,	Persia,
Colombia,	Greece,	Portugal,
Costa Rica,	Guatemala,	Russia,
Denmark,	Hayti,	San Domingo,
St. Thomas,	Honouras,	Siam,
Ecuador,	Italy,	Spain,
France,	Japan,	Cuba,
Tunis,	Johore,	Phillipine Islands,
Germany,	Korea,	Switzerland,
Great Britain,	Liberia,	Sweden,
British Guiana,	Mexico,	Turkey,
Canada,	Monaco,	Uruguay,
		Venezuela.

Besides the above a large number of exhibits representative of foreign countries are made by companies and individuals in the several great departments and on the Midway Plaisance. China, for instance, has no official exhibit, but Chinese exhibits abound. On the Plaisance are Javanese, Egyptian, Moorish, Dutch, Japanese, Malay, Austrian, German, Irish, Dahomian, Algerian, Tunisian and Arabian pavilions, booths, villages, streets and settlements, etc.

ARGENTINE REPUBLIC.

Mr. Carlos R. Gallardo, President National Commission, Commissioner General; Lieut. Juan S. Attwell, Commissioner, Secretary National Commission; Mr. H. D. Hoskold, Commissioner; Mr. Gustavo Niederlein, Commissioner; Mr. Enrique M. Nelson, Commissioner; Mr. Carlos Olivera, Commissioner.

The collective exhibit of the government of the Argentine Republic contains an instructive assortment of the products of that country, including wines, skins, ores, woods, dyestuffs, etc. In manufactures a very good and creditable display is made, showing the progress of the country in this line, especially in later years, when, mostly owing of the high premium on gold prevailing, the establishment of new industries has been greater than ever.

The Argentine Republic being an agricultural country *par excellence*, its exhibits in the Agriculture Building do not fail to attract attention. At the Paris Exposition this section of Argentine exhibits won much admiration, but the fine collection shown here far surpasses it.

Not less interesting is the display in the Mines and Mining Building, where a collection of over five thousand different specimens of minerals are shown, from the different provinces of the Republic.

Equally attractive is the excellent collection of hard and fine woods shown in the Forestry Building.

In Viticulture and Pomology Argentine wines, alcohols, dry fruits, etc., constitute the principal products exhibited.

Boats found by the Spaniards upon their first discovery of the River Plata; railroad material and saddlery, are the main features of the Argentine exhibits in the Transportation Building.

Exhibits belonging to the Department of Ethnology, and the Woman's department, are made in those buildings, respectively.

Space has been granted to the Argentine Republic in the following buildings: Manufactures, 6,000 square feet; Agriculture, 5,310 square feet; Mines and

Mining, 2,758 square feet; Forestry, 1,510 square feet; Shoes and Leather, 1,595 square feet; Viticulture and Pomology, 1,122 square feet; Transportation, 1,206 square feet; Ethnology, 1,240 square feet; Woman's Building, 184 square feet; Liberal Arts, 1,000 square feet.

In the Fine Arts Building 600 square feet of wall space is devoted to pictures by Argentine artists.

Altogether the Argentine exhibits commend themselves to the observer, and serve to make the country better known in the United States, which has been the aim of the government and commission of the Argentine Republic.

AUSTRIA.

Hon. Anton von Palitschek-Palmforst, LL. D., Imperial Royal Commissioner General; Mr. Alexander Poppovics, Assistant Imperial Royal Commissioner; Gaston Bodart, LL. D., Assistant Imperial Royal Commissioner; Mr. Emil Bressler, Architect, Imperial Royal Commission; Mr. Hans Temple, Delegate for Fine Arts; Mr. Victor Pillwax, Treasurer; Mr. Josef Grünwald, Official Commercial Representative; Mr. Emil S. Fischer, Superintendent; Mr. Raphael Kuhe, Official Commercial Representative; Mr. Robert B. Jentzsch, Superintendent of Old Vienna.

Austria displays a comprehensive and extensive illustration of the growth and development of its industry, education and science. This exhibit of Austrian industry and art has been prepared with the greatest energy, and it will be found to well fill its place to testify to the industry and intelligence of its people, and the occasion will undoubtedly result in the further increase of those agreeable relations which exist between Austria and the United States.

In the Department of Manufactures Austria has the space just north of the German exhibit. Each of three entrances is guarded by tall pillars surmounted by Austrian eagles. The pavilions are all mounted with the Austrian crown in gold. Soaps and perfumes, paper and paper-pulp, artists' materials, portieres, screens, furniture, terra cotta, porcelain, majolica and faience articles, mosaics, bronze goods, fancy glassware, amber and meerschaum work, gold and silverware, jewelry, goods of shell and horn, silks and velvets, cotton, linen and damask goods, woolens, gloves, hats, buttons, combs, leather goods, rubber goods, tin plate goods, steam cooking apparatus, steel goods, pearl goods, bathing appliances, closets, billiard cues, glass bricks for building purposes, wood carvings, watches, watch works, pipes, stoves and ranges, etc., are to be found in this department.

In the Department of Electricity are shown electrical apparatus, supplies, lamps, clocks, control apparatus, etc.

In the Department of Liberal Arts exhibits are made of medical, surgical and pharmaceutical appliances, school apparatus, statistical and geographical maps and illustrations, photographs, instruments of precision, letter boxes, musical instruments, etc.

Agricultural products, appliances for the cultivation of bees, hops, mineral waters, insecticides, malts, liqueurs, publications on seed raising, wax and waxen goods, oils, etc., are to be seen in the Department of Agriculture.

In the Department of Forestry woodstuffs, seed collections, rushes and last-goods are shown.

The invitation issued to the monarchy by the government of the United States to take part officially in the World's Columbian Exposition was most willingly accepted by Austria, while Hungary declined official participation, being now chiefly interested in her Millennial Exposition to be held in the year 1896 at Buda-Pesth. The Austrian government devoted a sum of 275,000 florins for this enterprise. The space allotted to Austria in the different buildings amounts to about 89,790 square feet, of which about 53,000 are in the Manufactures and Liberal Arts Building.

BELGIUM.

Mr. Astere Vercreyusse, Senator, President of Commission; Mr. Alfred Simonis, Senator, Commissioner General; H. E. Alfred Le Ghait, E. E. and M. P. of Belgium; Honorable Lambert Tree, Honorary Counselor; Mr. Paul Hagemans, Consul General, Honorary Member;

Mr. Charles Henrotin, Consul, Honorary Member; M. Edouard Guerette, Delegate of the Commissioner General; M. Raymond Vaxelaire, Secretary of the Commission; M. Raymond Le Ghait, Secretary of the Commission; Mr. Andre Simonis, Secretary of the Commission.

As regards size, the most important feature of the Belgian exhibit is found in the Manufactures Building. The space allotted Belgium has a frontage of one hundred and forty feet on Columbian avenue, and the pavilion covers four thousand five hundred square feet of space. The façade of the pavilion is the same height as that of France, its neighbor, and the structure comprises a grand central arch and two smaller arches at each side. All carpentry work for the pavilion was done in Belgium. Among the many interesting things to be seen are a magnificent collection of bronze art works and mammoth crystal glass plates from Charleroi. Belgium also shows a fine exhibit of faience, furniture with fine carvings, etc in this department.

More than two hundred Belgian artists have contributed to the exhibits in the Art Palace. All works of art in the collection were passed upon by an expert jury at Brussels, and only the most creditable productions were sent to Chicago. Hubert Vos, the art commissioner from the Netherlands, superintended the installation of the collection, which contains besides many valuable paintings several pieces of statuary executed by Belgium's most famous sculptors. Bronze art works form a notable part of the display.

In the Department of Agriculture exhibits are made of cakes and pastry, chocolate and confectionery, raw sugar, chicory, chocolate, cocoa, tobacco and cigars, mineral waters, canned goods, liquors, gin, beer, bottle stoppers, hair, etc.

Wines, wine labels, champagne and furniture for conservatories and verandas are shown in the Department of Horticulture.

Belting shafting, water filters, forges, motors, fire engines and extinguishers, bobbins, spindles, cards for worsted working machinery, confectioners' machinery, grinding and engraving machines, mills, etc. are exhibited in the Department of Machinery.

In the Department of Transportation Belgium shows rails, brakes, wheels and axles, car-couplers, bolts and nuts, ship rigging, cordage, etc.

Plans and designs of school houses, hospitals, homes for the working class, sheet iron building, heating and ventilating apparatus, books, photographs, musical instruments, etc. are shown in the Department of Liberal Arts.

BRAZIL.

H. E. Marshal José Simeão de Oliveira, President, National Commission; Dr. Ladislau Netto, Vice-President National Commission; Mr. Adolpho Aschoff, Secretary of the National Commission; Mr. H. J. de Paiva Coutinho, Commissioner; Baron of Marajo, Commissioner; Comodore Innocencio de Lemos Bastos, Commissioner; Capt. Lieut. José Martins de Toledo, Commissioner; Dr. Julio Cesar Brandao, Commissioner; Mr. Graciano A. de Azombuja, Commissioner; Lieut.-Col. F. M. Souza Aguiar, Commissioner; Prof. Rodolpho Bernardelli, Commissioner of Fine Arts; Mr. M. Aguiar Moreira, Commissioner; Mr. Zozimo Barrozo, Commissioner; Mr. Antonio Guimaraes, Commissioner; Lieut. Joao Baptista da Motta, Commissioner; Capt. Lieut. Joao Cordeiro da Graca, Commissioner; Lieut. Antonio de Barros Barreto, Commissioner; Lieut. Alexandre Leal, Aide to President of Commission; Mr. Theobaldo de Souza Queiroz, Aide to Commission; Mr. F. F. Napoleao, Aide to Commission; Mr. H. Barjona de Miranda, Aide to Commission; Mr. Luiz Michelet, Aide to Commission.

The Brazilian Building is one of the handsomest and most attractive among the structures erected by foreign governments. It is ornamented in staff and painted white. The structure is in the form of a Greek cross, and in architecture is a pure class of French renaissance. It occupies an area of 150 feet square; is located on the peninsula just off the lagoon in the north end of the grounds and lies between the Fine Arts and Fisheries buildings. The height from the ground to the roof is 60 feet; height in the clear 150 feet. The structure is two stories, surmounted by a dome 40 feet in diameter and 40 feet above the roof. There are four campaniles which are used as points of observation. The roof is also used as a promenade, upon which beautiful specimens of the flora of the Republic of Brazil are tastefully arranged and from which a fine view of the grounds and lake is obtained. The interior is a vast arena, the walls and ceilings of

which are highly ornamented in sculpture and ornaments emblematic of historical events pertaining to Brazil. There are no exhibits in the building. The offices of the commissioners are on the first floor.

Brazil's exhibit is made in the various departmental buildings, principally in Agriculture, Forestry, Fine Arts, Machinery, Mines and Viticulture, and it consists of specimens of all the products of the soil, coffee, spices and woods from all the Brazilian States, about 150 paintings and a large number of marble statues. One statue, by Dr. Julio Brandao, is a life-size figure of Christ in white marble. A solid piece of rubber, ten feet in diameter and about twelve feet long, is shown. There is also a fine collection of coins, specimens of gold, silver and copper ores, together with various kinds of precious stones.

What the commissioners take special pride in, though, is the coffee exhibit. Coffee is served to the people free of charge. This portion of the exhibit is under the special patronage of the Centro da Lavoura e do Commercio of Rio de Janeiro, an association of coffee merchants which has presented Brazil's claims as the banner coffee-producing nation at sixty expositions. In the consignment of Brazilian exhibits received through the custom house there were 2,220 bags of coffee, enough in the display to give every visitor to the Exposition a taste of the luscious beverage as it is brewed in the new republic. Choice wines, diamonds, and other minerals, native woods and barks, paintings and statuary, various kinds of modern machinery, and other products are shown to the value of nearly a half million dollars. The Brazilian government appropriated about \$600,000 for Exposition purposes, and the display made is creditable in every respect.

BRITISH GUIANA.

Mr. J. J. Quelch, Commissioner.

Stuffed jaguars, pumas, alligators and wildcats crouching among the natural products in one corner of Agricultural Hall are part of an exhibit made by British Guiana for the purpose of informing strangers how wonderfully versatile in production is the British colony in South America. The exhibit stands in the northwest corner of the hall, and forms one of the wildest but most picturesque scenes in the Agricultural Building. Huge, square cut logs, from trees that shot upward 250 feet in the air of British Guiana, form pillars of the exhibit. Greenheart and mora—the hardwoods used in shipbuilding—the koorahura, the wallaba, used for making rum casks, and the beautiful crabwood, seen so often in furniture, are the most valuable exhibits. They are exhibited in the rough and after passing through the hands of the workmen. British Guiana is proud of her trees, and maintains that her woods are still full of them. Besides these specimens of wood there are logs of purple heart, hoolooballi, tonka bean, locust, white and yellow satinwood and towranero. Some curious specimens of buttress wood, which has no heart and looks like the shriveled hand of a giant, are exhibited as stands for flower-pots. British Guiana also shows her skill in making curacoa, bitters and rum. Her preserved fruits are a specialty. In 1884, 250 ounces of gold were found in her gold mines. Last year the miners obtained 130,000 ounces, and some of this is on exhibition. The prettiest part of the exhibit lies in the cases where some beautiful feather fans are shown.

BULGARIA.

Prof. Vulko I. Shopoff, Delegate.

Bulgaria does not make an extensive exhibit. It consists principally of the ottar of roses, valued at \$100,000, and is installed in the Department of Agriculture.

CANADA.

Mr. J. S. Larke, Executive Commissioner; Mr. A. R. C. Selwyn, C. M. G., LL. D., etc., Director Geological Survey; Mr. Wilbert David Dimock, Secretary; Mr. L. Woolverton, Superintendent (Horticulture); Mr. J. A. J. Joulet, Superintendent (Agricultural Machinery); Mr. James



BUILDING OF BRAZIL.



BUILDING OF CANADA.

Clarke, Superintendent (Machinery); Mr. W. Morton, Superintendent (Liberal Arts); Mr. C. F. Cox, Superintendent (Fish and Fisheries); Mr. J. H. Tracey, Private Secretary; Mr. Chas. de Cazes, Assistant Indian Commissioner; Mr. S. P. May, D. C. L., Director for Ontario (Liberal Arts); Mr. Henry Wade, Private Secretary; Hon. A. C. P. R. Landry, Commissioner for Quebec; Rev. P. N. Bruchesi, Canon, Advisory Commissioner for Quebec; Hon. L. Beaubien, Advisory Commissioner for Quebec; Hon. J. G. Joly de Lothiniere, Advisory Commissioner for Quebec; Mr. S. C. Sterenson, Advisory Commissioner for Quebec; Mr. Wm. McIntosh, Superintendent for Quebec (Mines); Hon. W. D. Perley, Commissioner for Northwest Territories; Mr. Alex. McKay, Advisory Commissioner for Nova Scotia; Mr. R. W. Starr, Advisory Commissioner for Nova Scotia; Mr. Charles F. Law, Commissioner, Province of British Columbia; Mr. N. Awrey, M. P. P., Commissioner for Ontario; Mr. D. Ewart, Assistant Architect, Canadian Department Public Works.

The Canadian Pavilion stands upon a site of nearly 6,000 square feet of ground on the lake shore but a short distance from the United States Battleship, opposite Victoria House. The view from the "look-out" on the tower of the pavilion is perfect. It extends on one side to where the restless waters of the great lake seem to kiss the distant horizon; and on the other side takes in the magnificent pier, the architecturally beautiful Peristyle and Music Hall, with glimpses of the historic Convent of La Rabida, the great Manufactures Building, the United States Government Building, the Fisheries Building, and many of the fine and expensive edifices erected by foreign nations. The pavilion has three entrances: a main or front entrance, facing the southeast, and two end entrances on the east and west, respectively. The front entrance is through the tower, and has three doorways. Opposite this main entrance is the grand stairway, beneath and in the rear of which are numerous lavatories. In the entrance hall are located the postoffice, the telephone office and an intelligence office. In the latter are kept registers giving all possible information to visiting Canadians as to lodgings, board, the whereabouts of friends in Chicago, and other information that may be useful to Canadian visitors. Off the entrance hall is the reception room. Over five hundred Canadian newspapers are on file here. To the left of the main entrance are two handsome offices for the Dominion Commission, while the other four offices on this floor are occupied by the commissioners from the provinces of Ontario and Quebec.

On the first floor are two more offices for the Dominion Commission, four for commissioners from different provinces of Canada, a committee room and a large parlor for the use of the whole staff.

On the second floor are the tower room and the smoking room, and in the attic above is the dormitory for the guardian of the pavilion.

As the sum appropriated for the erection of the pavilion was limited, a plain style of architecture had to be adopted. Running around all sides of the building is a veranda ten feet wide, with a balcony above of the same width. The balcony is supported by twenty-eight Tuscan columns. The walls at the eaves of the roof are finished with a bold dental cornice. The pavilion is covered with a low pitched roof, partly hidden by a wall. The tower, as it issues through the roof is circular, and is divided into twelve panels; beneath these are detached pilasters. The walls are finished with a dental cornice, over which is an open balustrade. Over this is the "lookout," whence rises the flag pole, from which, from sunset to sunrise, proudly floats the Canadian flag.

The walls and ceilings are finished with native Canadian woods, highly polished and showing the natural grain. Each province of Canada has furnished the native woods required to finish its individual rooms.

Around the pavilion is a neat plot of ground covered with green turf, dotted here and there with native Canadian shrubbery and conveniently and artistically divided with serpentine roadways and walks. This building, with its furnishings and surroundings cost over \$30,000.

Various commercial, agricultural, scientific and educational articles are shown in the several departments from the provincial governments of Ontario, Quebec, Ottawa, British Columbia, Manitoba, Halifax, New Brunswick, Prince Edward Island, Northwest Territories.

CAPE COLONY.

Mr. L. Wiener, M. L. A., Commissioner; Mr. M. Berliner, Assistant Commissioner; Mr. S. Berliner, Secretary to Commission; Mr. J. W. Cundhill, Superintendent Diamond Court.

The Cape Colony of South Africa is making a fine display of its products in the Agricultural Building, where it has an allotment of 2,000 square feet, which is surrounded by handsome arches and glass screens in white stucco and gold. In this court is shown a display of ostrich feathers; merino wool; angora hair; a trophy of wines in the shape of a huge bottle; African woods and ivory; maps of the country; stuffed domestic animals, consisting of fat tail sheep; ostriches full grown and chicks six weeks old, all in full plumage; paintings of the celebrated Cape Flora; trophies of Kaffir ornaments; rare wild animal rugs; horns; basket utensils; silver leaves; cape immortelles; pyramids of ostrich eggshells; raw skins; buchu leaves; peas; beans; and cereals, including Kaffir corn, etc.

In the Mines Building the mineral wealth of the Cape Colony is exhibited. The Cape court in that building, which is between Brazil and Mexico, is encased entirely in plate glass, set in pilasters and cornices of ebonized wood highly gilt. The court is divided into compartments, one of which is a machinery hall, where the public can see behind plate glass the process of winning precious diamonds from the virgin diamondiferous soil brought from the mines at Kimberley. The process of sieving and pulsating the blue diamond ground is highly interesting. The machinery is served by three powerful Zulus who came from South Africa to do that work. After the pebbles are washed free from the soil, the same are removed from the last sieve and spread in the sorting room on a table where the person in charge picks out the diamonds that each washing produces.

Adjoining the sorting room are clearing, cutting and polishing works. Here skilled workmen, behind plate glass, show the public the manipulation of turning the rough diamond into a dazzling brilliant. Next to the work room is a private exhibit of diamonds of great value, consisting of rare and choice specimens collected and selected since 1870, when the diamond mines in Cape Colony were first discovered. At the opposite end of the pavilion, in a handsomely fitted room, the Cape shows blue and white asbestos garnets, found in the diamond soil; pyramids of lumps of diamond ground; rich copper ore; crocidolite, raw and manufactured; coals; salt, and two hundred and forty-three specimens of the mineral wealth of Africa south of the Zambesi. Between diamond machinery hall and the mineral room is a reception room, where files of South African papers and books of reference are kept for visitors.

In the Woman's Building the Cape exhibits in two large glass cabinets the handiwork of the Colonial and native women. This exhibit was carefully selected from a collection made throughout Cape Colony. Mrs. Wiener, the wife of the chief commissioner for Cape Colony, has charge of these cabinets.

In the Transportation Building the model of the graving dock of Cape Town is shown; also plans of the harbors of Table Bay, East London and Algoa Bay.

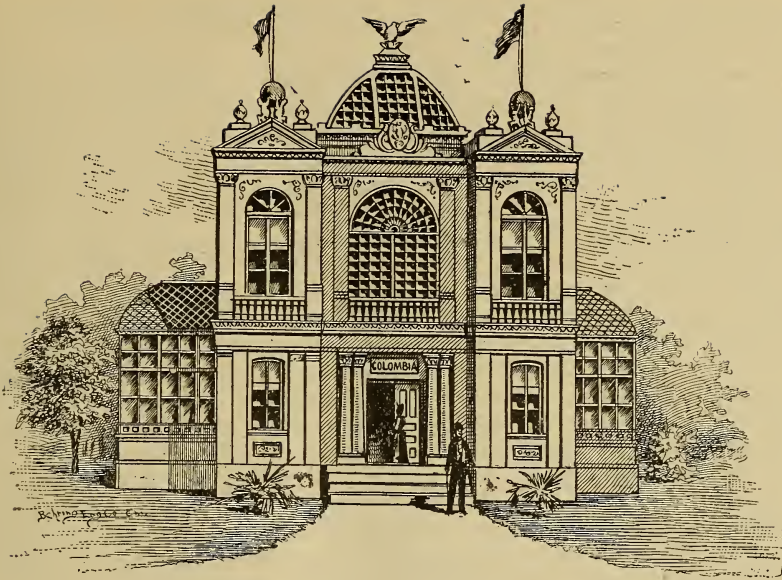
In the Horticultural Building the Colony shows the rare plant known as Wilwitchia.

Adjoining the ore yard near the Mines Building the 150 tons of virgin diamondiferous ground in blue lumps is exhibited. The care of this valuable product is in charge of three native Zulus, who live in the enclosure in a Kaffir hut erected by themselves.

CEYLON.

Hon. J. J. Grinlinton, M. L. C., Special Commissioner; Mr. W. W. Pole Fletcher, Assistant Commissioner; Capt. Arthur Hansard, Local Assistant Commissioner.

The Ceylon exhibits are numerous and consist of works of art, manufactures, the products of the Island, jewelry and curios, with a most interesting exhibit presented by the late Sultan of the Maldives to the Ceylon government. Space was allotted Ceylon as follows: Agricultural Building, —square feet; Manufactures Building, 1,350 square feet; Woman's Building, 540 square feet. In the



BUILDING OF COLOMBIA.



BUILDING OF CEYLON

Ceylon Building, designated as the "Principal Court" there is a space of 18,706 square feet for exhibits. The large court stands to the north of the German Building, fronting the lake. It is 162 feet in length. The pillars and such parts of the ends of the beams as are in view, and the four entrance doors, as also the central octagon, are beautifully carved in imitation of the carving found on the stone pillars and objects of art in the ancient city of Anurâdhapura and other places of great antiquity. This court is a fine exhibit in itself. The minor courts are also made of the woods of the island, beautifully carved, and acknowledged by all who have seen them to be works of art. The main building of the court comprises a central octagonal hall with two wings facing respectively north and south. The court partakes largely of the Dravidian style of architecture in the design of its columns and adopted by the Singhalese in their ancient temples throughout Ceylon. The details of this mixed architecture may be studied with advantage in the numerous temples and ruins scattered over Ceylon, of which views are shown in photographs exhibited in the court. The court is constructed entirely of the beautiful native woods of the island. Some twenty thousand cubic feet of timber were felled for the purpose. The whole court is raised on a projecting basement some four feet above ground level, and is reached by four stairways highly carved, two leading into the central octagon and one into each of the wings. These flights of steps are adapted designs from the well-known stairs of many fine ruined temples to be seen at Anurâdhapura and Polonnâruwa, the successive ancient capitals of Ceylon between 543 B. C. and 1235 A. D. The cobra-shrouded figures carved in bas-relief on the terminal stones, guarding either side of the approach, are termed *doratu-palayas*, or janitors. These guard-stones are always found at the foot of steps to viharés (shrines), etc., in the older ruins, to ward off evil. The small conventional lines on attached pillars at the side of the terminals are formed equally with elephants and bulls on these guard-stones at Anurâdhapura and elsewhere. The figures on the face of and supporting the steps, the front edges of which have a small conventional pattern of the water-leaf ornaments, or *padma*, carved upon them, have been supposed to represent *yakkas*, a class of evil spirits, also placed here to avert ill. At the bottom of the steps is a large carved slab, semi-circular in form, termed a *sandakadapahana*, or moonstone, carved in bas-relief, to represent a lotus flower open in the center, and concentric bands of sacred geese, foliage, and figures of lions, elephants, horses and bulls in the outer ring. The carved balustrade on either side represents a *makara*, a fabulous beast, half lion, half crocodile. Arriving at the top of the stairs, the entrance to the building is through a handsome doorway having carved jambs of similar pattern to those of the Daladâ Mâligâwa (the temple in which the sacred tooth of Buddha is deposited) at Kandy, and at the Ambulugala and Dippitiya viharés in the Four Kôralés of the Kégalla District of Ceylon. The continuous scroll ornament, should be particularly noticed, also the intersecting double-foliaged scroll. The fancy design of leaf ornament spreading downward from the trunk of a woman's body, is here particularly handsome, and follows the line of the arch. The ceiling of the central hall is supported by twenty-four elaborately carved pillars, which are in two stages; the lower story supporting cross beams terminating in a carved bracket. Between the cross beams, and forming a capital to each pillar, are carved cross-bracket-capitals termed *pushpa-bandha*; they are carved to represent conventional drooping lotuses. The upper tier of these pillars, with their attached bracket-capitals, are carved in the form of a plantain flower, and the ornamentation on the face of the pillars is that of the *padama*, lotus ornament.

On either side of the central hall are colossal, figures of a sedent Buddha and Vishnu. The hands of the seated Buddha, are as usual, placed in the lap, the back of the right hand resting on the left palm, and the crossed feet showing the sacred marks on the soles.

The figure of Vishnu, usually ranked as the second of the Hindu triad, is

represented four-armed, the back pair of hands holding his discus and chank, with his vehicle, the winged *garuda* behind, and standing on a pedestal. The "lotus-god" is, as usual, painted blue.

The whole building is enclosed with an ornamental façade, there being eight windows to each annex and four of double width to the central hall. The windows have architraves carved with the water-leaf superficial ornamentation, and under each window is a panel containing conventional and other designs in bas-relief. The upper part of the window is formed of an ornamental arch, carved with the same pattern as the architrave. The carved architrave terminates with a shoulder enriched with the creeper-knot ornament.

The whole exterior of the building is framed with satinwood, ornamented with Kandyan scroll-work, and the roofs, which have large projecting eaves, are terminated at the eaves-line with valance tiles of a pattern found in frequent use in Kandyan buildings. All the roofs, which are covered with imitation pan-tiles, are framed with a break of line a little more than half way up the slope, which is especially characteristic of Kandyan architecture. The roofs over the central hall and tea room rise in three tiers, and the whole is surmounted by a *kota*, or spire, terminating in a hammered brass finial exactly similar to the one surmounting the Temple of the Sacred Tooth of Buddha at Kandy. All the ends of projecting beams, or *gones*, are highly carved, and the terminations of the rafters are cut in the manner and form peculiar to the architecture of the building.

Of the panels under the windows, that under the third window from the southeast corner is a representation of the *Ira-handa*, the sun-and-moon symbol of the Four Kóralés, with the lion holding two daggers.

The exhibits are ranged round the hall and annexes in handsome cases made of satinwood and ebony, the lower panels having the form of the *torana*, or Singhalese arch. Other exhibits are disposed round the walls and pillars of the building.

Close to the court and immediately to the northwest is a building in the form of a *dágaba*, set apart for the use of the Ceylon court staff. It is an exact representation of the Ruwanveli *dágaba* at Anurádhapura, as taken from a model carved in stone which stands within the *pradakshina*, or "procession path." Ruwanveli *dágaba* was commenced by King Dutugamunu in the year 161 B. C., and completed 137 B. C. It is constructed of solid brickwork, rising to a height of 150 feet, with a diameter at the base of 379 feet. The original outline of the *dágaba* was destroyed by the Malabars in 1214 A. D.

The minor court in the Manufactures Building is of similar design as regards pillars, paintings, etc., to the main building, as are also those in the Agricultural and Woman's buildings.

The Ladies Committee for Ceylon consists of Lady Havelock, President Lady Burnside, Lady Grenier, Lady de Soyza, Mrs. Copleston, Mrs. Allanson Bailey, Mrs. Dawson, Mrs. Grinlinton, Mrs. Mitchell. Some excellent exhibits in lace, the work of natives of the island, and some works of art, all being the work of women's hands, were collected by the committee, and form an interesting feature in Ceylon's miniature court in the Woman's Building.

Indian corn, sugar, coffee, tea, cocoa, cardamons and cinnamon, essential oils, flax, fibres, rope, farming utensils, horns and teeth, tusks, woods, etc., are exhibited in the Department of Agriculture.

In the Department of Fisheries can be seen fishing tackle, boats, fish products, mussel shells, aquatic birds, pearl fishery and appliances, pearl oysters, etc.

Machines for cleaning skins, jewelers' and silversmiths' tools, tile and brick-makers' tools, gem polishers, etc., are exhibited in the Department of Machinery.

In the Department of Transportation Exhibits can be seen bullock carts, models and appliances of war ships, rowing and fishing boats, etc.

Medicinal drugs, vanilla, native ink, furniture, mounted elephants' tusks, pottery, bronze and brass goods, ivory articles, jewelry, Kandyan cloth, artificial flowers, hides and skins, cutlery, etc., are on exhibition in the Department of Manufactures.

In the Department of Liberal Arts exhibits are made of books, photographs and musical instruments.

CHILI.

S. M. Harris, representative from the English Nitrate Company.

A complete display of nitrate from Chili is made in the Department of Mines and Mining. The action of nitrates as a fertilizer is also shown in the departments of Agriculture and Horticulture.

COLOMBIA.

Mr. T. Paredes, Special Commissioner for Antioquia; Mr. H. R. Lemly, Commissioner General; Mr. E. E. Britton, Commissioner for Antioquia; Mr. Miguel Montoya, Commissioner for Boyaca; Mr. Juan M. Davila, Commissioner for Magdalena.

The building erected for the Republic of Colombia has a frontage of 56 feet and a height of 60 feet. In the center a dome rises in conic form, crowned at the top with a large condor, which is the symbol of the country. On each side of the building there is a hothouse, which is 12x24 feet, communicating with the central part. The building has two floors. A large staircase leads up from the rear side of the center to the second floor, which forms a gallery all around the building. The style of architecture is essentially French. The two corners in front corresponding with the dome are crowned by two groups of children supporting a globe from which two flagstuffs project. The dome is in glass.

This is a handsome and graceful building on account of the quantity of such details and the correctness of its lines. In the interior there are a number of showcases and shelves, upon which the wealth of the country and its most remarkable objects are exhibited. There is also a reception room with handsome furniture. The building is finished in wood, staff, iron and zinc, and cost \$20,000.

COSTA RICA.

H. E. Sr. D. Manuel M. de Peralta, E. E. and M. P., President of Commission; Señor Dr. Don David J. Guzman, Vice President, Commissioner General; Señor D. Joaquin Barnardo Calvo, Charge d' Affairs, *ad interim*, Secretary Commissioner; Señor Don Anastasio Alfaro, Vice Secretary and Commissioner, Archaeological Department; Dr. Francisco J. Rucavado, Commissioner-Treasurer; Señor Dr. D. Felipe Gallegos, Commissioner; Señor D. Guillermo Gerard, Commissioner.

The Costa Rica Building is situated at the east end of the north pond facing west, and the location is one of the best in the confines of the grounds. Across the north pond, and within a distance to be fully appreciated, are the Illinois, Washington, Indiana, Ohio and Wisconsin Buildings. To the right are the Galleries of Fine Arts, and on the left stand Guatemala and Spain, while as a background and not far distant, Lake Michigan murmurs praise to the efforts of mortal man. The building is Doric in style; is 103 feet long by 60 feet wide, two stories and clearstory, making the full height 50 feet. On each side is a Doric portico 22 feet wide, supported by four large pilasters. Three easy steps lead up to the main floor, and opposite this front entrance broad double stairways lead to the second, or gallery floor, supported by eighteen columns rising to the full height of the clearstory. The cornices, frieze moulding, caps and bases, window casements, etc., are made of iron. The main walls are cemented, and all is painted in effective colors. The inside walls are plastered, and the walls and timber work are frescoed in a modest and becoming manner. The building is lighted by twenty large double casement windows in the first story, and ten large skylights in the roof of the clearstory, while on all sides of the latter the windows are pivoted so that when opened they will afford perfect ventilation. Ample toilet rooms have been provided on each floor. Over each main entrance to the building is placed the National shield of the Central American republic in bold relief, making a striking addition to the decorative part of the work. The building cost \$20,000.

CUBA.

Don Rosendo Fernandez, Delegate of the Chamber of Commerce of Havana.

The Cuban exhibit is made collectively in the Department of Agriculture

in a pavilion connected with that of Spain and the Philippine Islands. It consists principally of sugar, tobaccos, spices and dye stuffs.

CURACAO.

Mr. Milton O. Higgins, Commissioner.

Under this general head the islands of Curaçao, Aruba, Bonaire and little Curaçao, a part of the Dutch West Indies, make a collective exhibit in the Agricultural Building. The principal articles exhibited are salt, phosphates, Curaçao orange peel and the liquor, shells, sponges and other marine growths, models of fishing boats and native dwelling-houses, native furniture, pottery and tools, baskets and Panama straw work, leather, wax goods, aloes, snuff, licorice, grains and agricultural products, preserved fruits and jellies, gums, musical instruments, woods and gold quartz, native jewelry, gold, silver and copper, women's needle work and embroidery, and shells, sea weed and feather work. Antiquities of the ancient Caribs, including a burial urn with the skeleton found therein, are of interest.

These islands are small in area and situated in the Caribbean sea off the North coast of Venezuela. They have been owned in succession by the Spanish, English, and Dutch, who now hold them. They have a resident governor, the Hon. J. H. R. Beaujon, and are in the line of the weekly steamer from New York and Caracas, Venezuela. The climate is agreeable though dry, but owing to the industry of the Dutch planters, crops of sugar, indigo, cocoa and other tropical products are raised.

There are quite extensive beds of phosphate on the islands of Amba and Curaçao, but they are not worked as extensively now as in former years.

The local committee was organized in response to the invitation from the President of the United States to foreign countries to participate, and consists of the influential citizens of the islands; the president of the committee being the Hon. J. H. R. Beaujon, governor of the islands; Edward J. VanLier is secretary of the committee.

Upon request of the Board of Lady Managers at Chicago, a committee was organized to make an exhibit of women's work, consisting of the following ladies: Mesdames Van Romondt Knoch, wife of the commandant of the forts, and Gaerste-Green, and Misses M. E. Bruinier, J. Boomgaart, Rea. Cohen, Henriquer, E. Ley Ca and Mina Schotbergh.

An interesting exhibit is a model of the Island of St. Thomas, Danish West Indies. It is about eight feet by four, built to a scale of six inches to the mile, painted in natural colors, showing the roads, country houses, ships and steamers in the harbor and the pretty town of Charlotte Amalia, with its two old legendary towers of Blackbeard and Bluebeard. It is set into a table enameled in black, edged with gold, with terra cotta paintings of various spots of interest on the island, the whole being covered with plate glass.

DENMARK.

Mr. C. Michelsen, President of Commission; Mr. Emil Meyer, Commissioner General; Mr. Oscar Matthiesen, Commissioner of Fine Arts; Mr. Otto A. Dreier, Secretary of Commission; Mr. Carl Cortsen, Chief of Installation; Mr. K. Arne Peterson, Architect; Mr. Christian Nielsen, Decorator; Mr. V. Christesen, Delegate; Mr. Bernhard Hertz, Delegate; Mr. H. A. Kahler, Delegate; Mr. Carl Rohl-Smith, Delegate for Fine Arts; Dr. Charles E. Taylor, F. R. G. S., Special Delegate from Danish West Indies.

The Danish exhibits are principally in the Manufactures and Agricultural buildings and in the Art Palace and the Woman's Building. The main exhibit in the Manufactures Building is the finest that has ever been made by Denmark. The pavilion which fronts on the main aisle of the building, represents on its façade the coat of arms of the city of Copenhagen. On the sides of the pavilion paintings by Danish artists of local and colonial scenery are hung, and in the interior the decorations are magnificent and unique. Among the interesting points of the interior is an exact reproduction of a room in the house of Hans Andersen.

In the Woman's Building are shown a number of exhibits from the Danish women. The Queen sent a painting, a floral piece of roses and lilies; the Crown Princess, old embroideries and handkerchiefs; the Princess Marie of Denmark, three large acquirelles; the Countess Rohan-Ledtzen, national costumes of Aneager and Filer; the Baroness Reedl-Thosa, old linen embroidery and antique carved wooden appliances for laundry work; the Countess Moltke Bregenteid, linen embroideries by Hedebo peasants; C. Stanshohen, yellow silk embroideries on blue velvet. The list comprises many similar articles, loaned by distinguished people.

Iceland sagas, bearing on the early discoveries of the Norsemen and the stories of their trips to Vinland and North America, have been lent by the Danish government to the United States for exhibition at the Exposition. These sagas are entitled *Codex Fluteyensis*. It required a great deal of red tape to secure these valuable manuscripts. Before permitting them to leave Copenhagen the Danish government stipulated that in case of the total loss \$20,000 must be paid for them and all expenses incident to their exhibition. They are to be returned by a United States man-of-war.

In the Department of Agriculture are dairy appliances, butter in tins, condensed milk, machine and hand churns, beer, liquors, axle-grease, etc.

Denmark makes a very creditable display in the Department of Machinery. Here are shown coffee-mills, machines for shoe re-soleing, lithographing, apparatus for preventing machinery running hot, etc.

In the Department of Liberal Arts are exhibited books, illustrations, maps, designs for home and school work, photographs, pianos, etc.

ECUADOR.

Colonel M. N. Arizaga, Charge d'Affairs and Delegate General; Señor Don G. Perez, Secretary; Señor Don T. G. Sanchez, Commissioner; Mr. L. J. Millet, Commissioner; Mr. Oscar Jander, Assistant Commissioner.

The Republic of Ecuador has a collective exhibit in the Agricultural Building and shows its agricultural products such as cocoa, coffee, tobacco, cotton, sugar cane, anis seed, wheat, corn, rice, etc., and from its forests such as rubber, red-bark "quina," vegetable ivory, and over five hundred kinds of woods valuable for furniture and constructive purposes; the Toguilla straw with which the inimitable straw hats, erroneously known as Panama hats, are made; cabuya or sisal hemp and other fibrous plants, gums, resinous barks, etc., of immense value to science and industry. Samples of the many minerals that enrich the Ecuadorian soil, side by side being the auriferous quartz of Zaruma, the silver of Pilzrun, and samples from the gold washing sands of Sigsig and Esmeraldas (Plays de oro, Angostura, etc.), as also samples of crude petroleum from the beds at Santa Elena; of sulphur from Alansie; of marble from Farqui, etc., are exhibited.

Native industry is shown by the straw hats of Manabi, refined sugars from Milagro and Galapagos; ropes, cords, etc., made in Ambato from the sisal plant; different kinds of spirits, beer and liquors from Quito, Guayaquil, and Cuenca; samples of weaving in silk; wool, cotton, cigars, cigarettes, machinery, tapestry, saddlery, tanning, boot-making, tailoring, iron founding, etc.

The arts occupy a preferable position in the pavilion and visitors will meet with the opportunity of seeing the paintings of Salas, Pinto, Manosalras, Cadena, Salguero and other famed Quito artists. In sculpture there are on view works by the famous Cuencano sculptors, Don Miguel Veliz and Benelcazor, as well as those of many others in painting, sculpture, music, gold and silverware, etc.

Samples of the ladies' hand work consist of embroideries, open work in silk and linen, lace and crochet, paintings in oil and watercolors, drawing, hair work, and numerous fancy articles in vegetable ivory, metals, wax, feathers, and fibres.

There is another section devoted to curiosities in which are placed pieces of rare vestments, some used by the tame Indians of Ecuador, and others again of the untamed. Human heads reduced in size by an undiscoverable secret, arms and trophies of war, fossils, numistical collections, antiquities, etc. The dif-

ferent articles pertaining to the two tribes Quitus and Cànaris, and dating anterior to the Spanish Conquest, are placed in a separate casing thus forming an interesting attraction to scientific visitors. This archæologic and ethnologic collection was very highly praised at the Madrid Exposition, and is composed in the greater part of ancient pottery of the time of Seyris and the Incas of idols, figures, musical instruments made of baked clay, as also a few of stone and bronze, as human figures, domestic utensils, workmen's tools and instruments of war.

Owing to the inconvenience of transportation such a great distance it has not been possible to form a complete exhibit of the flora and fauna of Ecuador, but among the few specimens forwarded there are, without doubt, some worthy of the study of those interested in these branches, especially so in the contribution by Sen. Don Augustin Cousin, member of the Institute of Science, Paris, who forwarded a considerable quantity of "molluscs."

Finally, men of letters will find in the pavilion works of the most distinguished Ecuadorian authors, writers, etc., such as the epic poems by Jose Joaquin Olmedo; the works in prose by Juan Montalro; History of Ecuador by Don Pedro Fermin Cerillos; Studies Archæologic by Don Federico Gongalez Suarez, the eminent divine, and the dictionary in Quechua and Spanish by the present President of Ecuador, Dr. Luis Cordero, who is as eminent in literature as in politics.

FRANCE.

M. Camille Krantz, Commissioner General; M. Edmond Bruwaert, Consul General, Deputy Commissioner General; M. Monthiers, Secretary General; M. Verstraete, Vice-Consul, Secretary; M. Heilmann, Treasurer; M. Mascart, Engineer, Chief of Installations; M. Max Duchanoy, Attaché; Baron René de Batz, Attaché; M. Lefevre Meaulle, Attaché; M. Masure, Attaché; M. de la Touanne, Electrical Engineer; M. Vassilliére, Special Commissioner for Agriculture; M. Roger-Martin, Assistant Special Commissioner for Agriculture; M. Mesnier, Assistant Special Commissioner for Agriculture; M. Monteils, Special Commissioner of Algeria; M. Schérer, Secretary for Colonies; M. Roger Ballu, Principal Commissioner for Fine Arts; M. Giudicelli, Assistant Commissioner for Fine Arts; M. Motte, Architect, Decorator; M. Dubuisson, Architect; M. Sandier, Architect; M. Yvon, Architect; M. T. de Balincourt, Lieut. French Navy, Commanding Sailors' Detachment; M. Maurice de Vilmorin, Horticulture; M. Georges Lamaille, Bronzes, Crystals; M. D. Astric, Secretary for Fine Arts; M. H. L. Guerin, Secretary of the Fine Arts Committee; M. J. Perrin, Special Delegate of Manufacture Nationale de Sevres; M. Pierre Masson, Attaché to Commissioner General; M. A. Paradis, Attaché to Fine Arts Commission; M. T. Bilbaut, Special Commissioner for Colonies; Marquis de Chasseloup Laubat, Special Commissioner for the World's Congress Auxiliary.

In March, 1892, a special French commission was appointed under the direction of the Secretary of State for Commerce-Industry to examine the propositions made for a credit of 2,000,000 francs for sending exhibits of French firms to the Exposition, but the sum was deemed inadequate and 4,000,000 francs was granted. The credit once voted the greatest activity prevailed in France. M. Camille Krantz, the member in Parliament for the Department of Vosges, was appointed commissioner-general. With him were also appointed M. Edmond Bruwaert, French consul-general in Chicago, as deputy commissioner, and M. Monthier as general secretary. To induce the French people to send exhibits thirty-nine official committees were organized by the government, each one of them having its own office and its own task; namely, to obtain adhesions in a given line of industry and group these adhesions together. Meanwhile space had been asked for and obtained in every one of the departmental buildings at Jackson Park. These spaces were divided and part of each allotted to every committee, the committee having the task of decorating the space or section thus allotted and of dividing it among the different exhibitors according to their importance. So great was the number of French firms anxious to exhibit that supplementary spaces had to be asked for; but this request could be only partially granted.

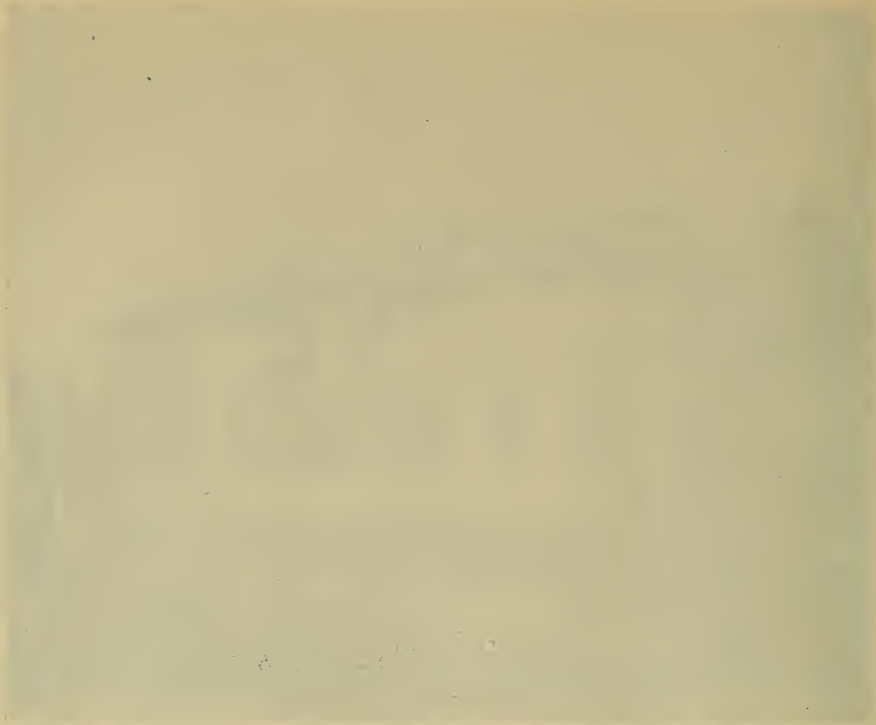
The French Pavilion lies near the shore of Lake Michigan, and directly east of an annex of the Fine Arts Building. The outside wall is decorated with paint-



BUILDING OF COSTA RICA.



BUILDING OF FRANCE.



ings, showing various views of Paris and government buildings there. The entire pavilion has a frontage of 200 feet, and a depth of more than 100 feet. It cost \$100,000. This building has quite an historical interest, for it is a reproduction, on a small scale, of the Apollo Hall of the castle of Versailles. It was in this hall that King Louis XVI officially received Benjamin Franklin, Silas Deane and Arthur Lee, delegates from the thirteen original States, who were met by A. Conrad, secretary of the Council of State of France. A colonnade of graceful design in three sections, like three sides of a rectangle, connects this section of the French building with another composed of two large rooms and a vestibule. All the exhibits found in this hall, tapestries, furniture and curios, belong to the War of Independence. One can see, among others, the bureau from the library of Lafayette. Among the most important relics figures the sword of honor presented to Lafayette in 1779 by the congress. There are also two finger rings containing locks of hair from the heads of Washington and his wife, some busts of Washington and Franklin and a series of historical portraits. A semi-circular colonnade connects the pavilion, belonging itself, as far as the outside is concerned, to the Corinthian order, to another pavilion, where is found the collections sent by the city of Paris. There is, the world over, no other city administration that spends more money for the welfare of its citizens. Schools, infant asylums, hospitals, sewers, streets, boulevards, avenues, public gardens, bridges, all these different public services make special exhibits. Most interesting among others is the one sent by Dr. Bertillon to illustrate his system of detecting criminals, however numerous and clever may be their aliases. The decoration of the pavilion's north front is quite remarkable. Under the portico, views of the French capital adorn each bay, and the garden around the building has been designed by the chief gardener of the city of Paris.

In the Department of Fine Arts the works of the French masters are subdivided in three different classes. For once, all the different schools decided to appear in the same hall, and Gerome, Detaille, Maignan, Flameng, La Touche, Bonnat, among many others, send very creditable pictures, well worthy of their name and talent. France has sent to this country to superintend this exhibit M. Henri Giudicelli. He is familiar with the works of all the artists of France, and every day is on duty in the Fine Arts palace.

All the leading artists of France have taken the most intense pride in being represented at the Exposition. Their sentiments are increased by a very large degree of sympathy which French artists feel for American artists, so many American artists having their studios in France, and so many of them taking high rank and winning distinction in the exhibitions held at Paris. The pictures and other works were selected by a jury which was extremely careful in collecting works of art to be sent. Scarcely one-third of the works presented was accepted. The paintings number 500, the drawings, water colors and pastels 200, the engravings 150, and the subjects in sculpture 155. To this list is added 100 architectural panels and at least 500 figures of large size representing old historical monuments. Then there are a number of models, medallions and objects of art which the French government buys every year to enrich its museums.

The French display in the Department of Manufactures occupies a central position on the west side of the main aisle and represents the combined architecture of what might be called the Louis periods. The entrance is a semicircle of columns in the center of which are large double doors, with panels bearing painted allegorical figures. The entire pavilion is surrounded with a low railing. There are twenty-six arches in the pavilion and each represents the entrance to a drawing-room made in an especial way and occupied by the various exhibitors. The first is the republic-room and it is fitted up in red plush. In the center is a statue of France by Folguere. It represents the figure of a woman much after the style of the American Goddess of Liberty. In this room, displayed in showcases, are laces from the great factories and from the home workers. The walls are covered with paintings illustrating the industry and the

march of the nation. One of the most interesting exhibits is the Salle de Gobelin. This is called the throne room, only there is no throne in it. The friezes on the walls represent the great centers of trade with figures of Palissy, Limoges and Beveau. At the back is a huge tapestry representing the God-child of fairies, one of the finest and best-known Gobelins in France. The furniture room is magnificent, and in it is displayed the most beautiful and costly furniture. There is one divan of Louis XIV style worth \$5,000 and a set of drawing-room furniture of the same period worth five times as much. All this furniture is covered with the finest tapestry and is most delicate in design and coloring. A bride's trousseau is exhibited which is, perhaps, the most costly ever made. Some of the items and cost will illustrate: The silk underskirt is made of embroidered white silk trimmed with lace, and is valued at \$2,300; several pieces of underwear worth \$200; a single bed sheet, embroidered in silk, worth \$1,000; a pillowcase worth \$160, and a whole case of robes de nuit at \$500 a piece. The entire outfit is worth \$25,000. There is a cradle made of lace worth \$3,000 and a fine display of all the wonderful art. Several prominent perfumers in France have combined in one room, which has been painted a delicate Nile green. In the center is a fountain of perfume. It will be changed each day, and it will not only perfume the entire space but the public is at liberty to perfume their handkerchiefs in the spray free of all charge. A display represents an afternoon tea at which all of the latest gowns are fitted on wax figures. The silversmiths and jewelers have a most elaborate display. In the gallery are shown the famous silks from Lyons and St. Etienne, with a pair of portieres made expressly for this Exposition, on which are embroidered the arms of this country and France.

The French display in the Woman's Building shows the work of women, but the most striking feature is a large group of figures representing the different costumes worn by the people of France from the earliest days.

In the Department of Agriculture the French republic has a fine display of all its products, including those of its colonies. The colonies have erected a pavilion which is for their exclusive use, being intended to show the entire products of their countries. The display is made in the east entrance of the Agricultural Building. Seeds, standard samples of wheat, choice flowers, refined sugars, appear side by side, with canned goods, green peas, mushrooms, oils, plums, nuts, etc. Agricultural implements and illustrations of agricultural teaching are found in two other different sections. There are over seventy-five millions of people living in the many colonies France has in various countries such as Algeria, Tunis, Senegal, Madagascar and Indo-China, all under French rule. The exhibits from these colonies are partly in the Agricultural Building, partly outside. The Algerian products are located in an Arab pavilion, reproducing one of the most charming buildings of Algiers. Outside the Agricultural Building, on the shore of the south lagoon, is the Tunisian pavilion, surrounded by souks and the Annamit pavilion where are gathered most of the exhibits sent by French colonies, among others New Caledonia's celebrated nickel ores, the king of Annam treasury, photographic views of St. Peter, Miguelon Islands. France is, above all, an agricultural country. Out of her thirty-eight millions of inhabitants on the continent alone fully more than twenty millions are raising food products, cereals, wheat, corn, sugar beets, flax, hemp, vegetables, olive trees, etc.

In Machinery Hall are exhibited steel and iron products from various sections of the republic, showing guns, shells, plates for ironclads, soap-making machinery, weaving looms, etc.

In the Electricity Building the French section lies in the northwest corner. It is divided in two parts, one containing national and the other private exhibits. In France the government has a monopoly concerning the use of telegraph and telephones and no private corporation can compete with it in this line. The national exhibit shows how the telegraphic service is organized in France and operators are seen at work. Self-acting apparatus automatically registering any change in the temperature, direction of the wind or atmospheric moisture, are also shown.

Coal, cement, asphalt, slates and metallic products are shown in the Department of Mines.

Railroad engines, steel tires, railroad supplies, carriages, landaus, dog carts, saddles, harness, models of ocean steamers, sedan chairs, etc., are shown in the Department of Transportation Exhibits.

Wine, the national beverage of France, is shown in the Department of Horticulture, where samples of many famous brands may be seen. Then there are cordials, Chartreuse, Benedictine and other liqueurs, mineral waters, etc. A splendid floral exhibit is also made.

Exhibits are also made in the Shoe and Leather Building and the Dairy and Forestry Departments.

In the Department of Liberal Arts the leading publishers of France are represented. The collection is particularly rich in ouvrages de luxe. Among these are, from the Pions, "Les Maitres Florentins du XV Siecle," containing thirty drawings by Count Delaborde and W. Haussoullier, after original paintings and sculptures in Thiers' collection, a folio volume costing 300 francs; from Edouard Rouveyre, the first of two volumes devoted to the manuscripts of Leonardo da Vinci, with fac-similes or reproductions of the originals; a dozen notable works from the press of Thèzard, dealing with the subject of art as applied to decoration and house furnishing; another dozen of magnificent volumes bearing the imprint of the Hachettes and others. Besides, musical instruments, etc., are to be seen in various groups.

Altogether, France did her best to cheerfully answer the invitation extended to her to participate in the Columbian celebration, and one can be easily convinced of her good will by going over the different spaces she has been allotted in every department, and which have been occupied, not without a large laying out of money by the government as well as by the private exhibitors.

Not less than \$10,000,000 worth of goods are displayed, and the total amount of space occupied is about 450,000 square feet.

GERMANY.

Honorable Adolf Wermuth, Imperial Commissioner; Mr. Franz Berg, Assistant Imperial Commissioner; Mr. Karl Hoffacker, Architect, Imperial Commission; Mr. Johannes Radke, Architect, Imperial Commission; Mr. Aug. Fiedler, Architect, Imperial Commission; Mr. Hugo Schnars-Alquist, Delegate for Fine Arts; Mr. Carl Haller, Engineer, Imperial Commission; Mr. Gustav Spiess, Member for Commercial Affairs, Imperial Commission; Mr. George Franke, Secretary, Imperial Commission; Mr. Fritz Kuehnemann, Mechanical Engineer; Dr. Lobach, Electrical Engineer; Mr. Conrad Engel, Bergassessor.

COUNCIL OF DEPUTIES.

Mr. Julius Beissbarth, Nuremberg-Furth Industry; Mr. Doehn, Imperial Postal and Telegraph Exhibit; Mr. Ehrhardt, Civil Engineer, Nuremberg-Furth Industry; Director Robert Erhardt, Metallurgical Exhibit; Professor Finkler, Imperial Educational Exhibit; Mr. Richard Fischer, Chemical Collective Exhibit; Mr. Paul Gesell, Royal Saxon Porcelain Exhibit; Mr. Fritz Gräber, Textile Collective Exhibit; Mr. Gisbert Gillhausen, Gun Exhibit; Mr. Hartmann, Royal Architect, Engineering Exhibit; Mr. Hauelsen, Chemical Collective Exhibit; Mr. Richard Horstmann, Royal Prussian Porcelain and Jewelry Collective Exhibits; Professor Hoffmann, Textile Collective Exhibit; Mr. Franz Jaffé, Royal Architect, Imperial Educational Exhibit; Dr. Ulrich Jahn, Ethnological Exhibit, "German Village;" Dr. Kallen, Imperial Educational Exhibit; Conservator Kopp, Bavarian Industrial Art Exhibit; Mr. Lauter, Civil Engineer, Gun Exhibit; Mr. Meyer, Civil Engineer, Metallurgical Exhibit; President O. W. Meysenburg, Electrical Exhibit; Mr. Petri, Royal Architect, Royal Prussian Railway Exhibit; Mr. J. Scheurer, Civil Engineer, General Railroad Exhibit; Professor Spatz, Metallurgical Exhibit; Dr. Albert C. Weil, Bathing and Mineral Exhibit; Professor Dr. Wätzoldt, Imperial Educational Exhibit; Dr. Lichtenfelt, Imperial Educational Exhibit; Prof. Goetz, Art Industrial School, Baden; Prof. Kips, Royal Prussian Porcelain Exhibit; Mr. Friedrich Dernburg, Representative German Press; Director Dernburg, Ethnological Exhibit, "German Village;" Mr. Seitz, Industrial Art Exhibit; Prof. Riedler, Engineering Exhibit; Mr. Hundeshagen, Civil Engineer, Machinery Exhibit; Mr. Guenther, Civil Engineer, Machinery Exhibit; Mr. Eduard Schrickell, Iron Industry; Director Josef Gorz, Agricultural Exhibit; Professor Hans Virchow, Educational Exhibit; Dr. Koblanck, Educational Exhibit; Mr. Dahlen, Wine Exhibit; Mr. Hartmann, Electrical Exhibit; Mr. von Siemens, Electrical Exhibit.

The construction of the German Building has been with a view of making it not only an imposing structure, worthy of the great nation it represents, but at

the same time an essentially German house in its characteristics. Precedent and the dignity of such a power demanded that its representatives in a foreign country be housed in a manner to do credit to the Fatherland. Realizing these facts in Berlin much care was taken in constructing the "Deutsche Haus" in such a way as to do credit to Teutonia. It is situated in the northeastern portion of the grounds, facing the lake. It lies near the Swedish building, and immediately east of the Illinois State Building. A fine view is afforded of the Hall of Fine Arts to the northwest, and of the Fisheries, Manufactures and United States Government Buildings to the southwest. It is composed of Gothic, German renaissance and the modern styles of German architecture. The main building is 130x112 feet in breadth and depth, and is two stories high. To the longitudinal section of the main entrance a chapel-shaped structure has been attached, thus making the section 169 feet. Excellent architectural effect is produced by projections, which seem to be the natural outgrowth of the smooth walls, which, together with the high gable roof, which ascends to a quadrangular turret, and bell tower, 105 feet high, make a striking picture of architectural beauty. The dome of the tower is in the Byzantine style. The outer walls are of a massive appearance and are decorated with scenes in the style used in Muenchen and Nuremberg, representing masterworks of the German art of bronze founding. The entire main front is of a light color, broken by reliefs similar to those on the Tucherhaus on Friedrickstrasse in Berlin. The front shows the old German Imperial eagle from the time of the Hohaustaufen bearing a shield with the eagle of Prussia. Under the symbols of the new empire, the crown and scepter, are grouped the coat of arms of the various States of the German Union. The upper structure is varicolored to the steep roof, which is covered with glazed tiles. Above the main entrance the visitor is welcomed by the following sentences: "Bountiful and Powerful;" "Rich in Corn and Wine;" "Full of Strength and Energy;" "Mother of the Sweetest Tunes and Home of the Greatest Thoughts;" "I Shall Sing Thy Praise, O Fatherland Mine." To the left of an elaborately ornamented hall are the reception room and offices of the Imperial Commissioners. This high double hall is 42 feet high, the two divisions of which are separated by a colonnade 21 feet wide. The hall occupies, with the exception of the apartments referred to, the whole body of the main building and forms a longitudinal quadrangle 108 feet in breadth, covering a space of 7,569 square feet. This hall is occupied by the displays of the German book manufacturers, and the literature of the country is fully represented. In the chapel-shaped annex, ecclesiastical art is displayed, showing altars, organs, etc. From the bell-tower the chimes exhibited by the society of Bochum peal forth their silvery strains. These chimes will be donated to Grace Church in Berlin after the close of the Exposition.

This building and its contents form an attraction separate from the German village, which occupies 17,500 square feet on the north or Fifty-ninth street side of the Midway Plaisance where it is intersected by Kimbark ave. This village came from Germany in a shipment of over 6,000 pieces, representing farm buildings, markets, shops, meeting hall and church, all in the style of the twelfth century. It contains many interesting antiquities from the German museum at Mayence.

Beside being the official abode of the Imperial Commission, accommodations have been provided in the German Imperial Building for delegates from the German empire and as a resting place for the weary German sightseer, where an opportunity is afforded him to meet his countrymen.

The plans of the German Building were designed by the Imperial architect, but it owes its material existence in part to a number of patriotic manufacturers, who, inspired by the glory of their country, contributed freely in materials and money.

Germany has an exhibit worth 40,000,000 marks, or over \$10,000,000. Space was taken in nine different buildings, and outside of these are the Krupp display.

Occupying a prominent place in the Transportation Exhibits Building is a

museum of the progression in railway tracks, the only one in the world. An attempt is made in this display to enhance the value of the modern methods by comparison. Each railway engine and car stands beside a model of the first of its kind ever used in the country. Germany claims much for its railway postal facilities, and displays one of the new postal cars which were made on a model of the ones used by the Chicago, Milwaukee & St. Paul road, and beside it stands a portion of the first postal car ever used in the kingdom of Prussia—a cramped, rickety, antiquated vehicle, making the contrast startling. This display occupies one of the largest spaces in the building.

Close beside the American Bell telephone display the Germans have a large space in the Electrical Building. Many of the more modern appliances of electricity in Germany are American. It embraces the system of army signals recently introduced and the German system of electric lighting and telegraphy.

In Machinery Hall there is a most extensive showing. A firm of famous iron kings of Germany has two gigantic columns—one representing iron-pipe, the other wire and wrought iron. These are connected by a massive iron door, showing ornamental work in cast iron and they are flanked on either side by two obelisks, one of steel and one of iron, fifty feet high. This firm also shows some of the machinery it uses in working in iron.

Beer has the place of honor in the Agricultural Building. Extensive displays from the famous breweries of Lowent, Kaulmach, the Hoffs, Munich, Bergerbraen and Frankelbraen are made in bottles and casks and a miniature brewery is run showing how they make beer in the Fatherland. Waters from Ems, Baden-Baden and Weisbaden attract those to whom beer has no charms, and extensive exhibits are made in the forestry and dairy displays. Outside of the building they have a space to show model farming, where considerable attention is given to the various systems of fertilizing in use.

Of all the foreign exhibits in the Department of Manufactures Germany's is perhaps the largest. Their space is in the northwest center of the hall facing the big clock tower. The decorative structure which marks the corner of the German exhibit is done in the style of German renaissance. It forms the quarter of a circle with a square tower at either end, supported by four Ionic pillars and having a decorated plinth upholding golden eagles as the crowning features. An archway extends through these towers and on the two blank walls are carved and gilded medallions. At the base of each of these towers is a cleverly-modeled fountain representing a dolphin spouting water into a seashell basin upheld by a devilfish. Between the two fountains is another basin, which receives the overflow from these basins and the water from a third fountain, which is a part of this feature of the exhibit. Connecting the two towers is a curved archway with artistic medallions on either side, surmounted by a group fountain, of which Neptune, with his trident, is the central figure. On either side of this figure is a water horse with ears erect spouting water from pipes held in the mouth and each controlled by mermaids. Two wrought iron gates on either side of the towers lead into a richly-furnished room, which surrounds the tower and in which is shown a large collection of honorary presentations to Emperor William, Prince Bismarck, Count von Moltke, and the sovereigns of the German States. Just to the north of the corner piece and separating it from the gold and silver display, behind the great wrought iron fence, is a room beautifully decorated, in which is shown the exhibit of Bavarian industrial art. At the south entrance is the palace of King Ludwig. This is the most elaborate interior on the floor. Each room opens to the aisle, and all differ in design. One is gold, inlaid marble, and the center one a drawing-room with frescoes worth a small fortune. The inlaid marble work is remarkable, and represents fruits and flowers cut out of colored marble and put into the white. North of this are four rustic work pagodas which are used by the famous textile firms of Germany. One is occupied by an Axminster carpet firm of Belsnitz. In front of it hangs a piece of carpet which took six months to make, and which has one million tufts in it. They have fitted up two

rooms, one a lady's boudoir and the other a gentleman's lounging-room, both hung with rugs and draperies and furnished with beautiful furniture. Next to them is the exhibit of the Royal Saxon China manufactory at Meissen. This exhibit alone weighs sixty tons, and is worth \$500,000. It includes some of the most delicate work of the famous pottery. Bohemia is noted for its glass to a greater extent than Newcastle is for coal, and the exhibit is bewildering. There is glassware of all descriptions, and some of it almost priceless. The exhibit is all in show cases; and is guarded night and day by two stalwart Bohemians. This is said to be the finest collection ever shipped to this country. The vases are all hand painted and burned, and have that deep-blue color which distinguishes the Saxon ware from all others. In this collection are also a large number of plates decorated after Chinese designs in blue and gold. One delicate little soup plate was invoiced at \$60, and a platter, whose chief reason for existence is to decorate a mantle shelf and look pretty, is valued at \$120. Under the gallery in the German space little rooms have been made between girders, and each is occupied by some firm with a particular line of goods. One of these is taken by the clock factory of the Black Forest, where no less than forty different varieties of cuckoo clocks are shown. With the exception of the weight and chains the clocks are made of wood, and it is the intention of the exhibitor to keep the forty cuckoos at work all of the time.

In this building is also an extensive display of jewelry and silverware, and prominent among the latter is some of the plate which has been presented by the different German states to Emperors William I and II, Von Moltke and Bismarck. Much of this was given as a souvenir of some particular battle and forms a sort of historical object lesson. Especial attention was paid to a collection of vases and jardenières, ancient and modern, and a large space was allotted to the royal Prussian, Bavarian and Saxon porcelain makers. In this building, also, may be seen an extensive school exhibit arranged by the royal Prussian minister of education, which includes a model school building.

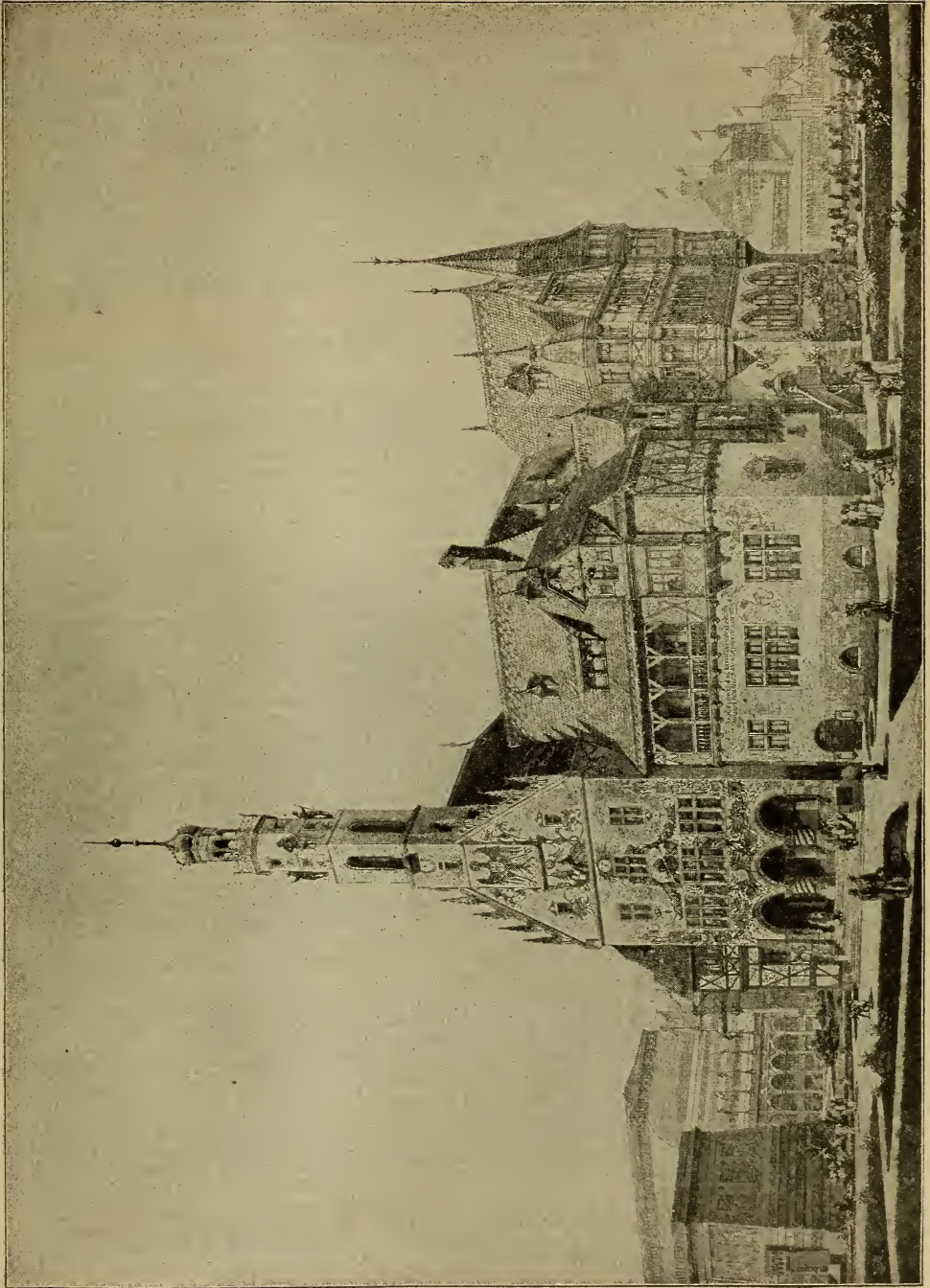
In addition to 2,660 square feet assigned to German plants inside the Horticultural Building 32,234 square feet have been given to that country outside for plants and flowers, as follows: 2,000 feet for standard roses, 6,000 for dwarf, 1,000 for carnations, 290 for begonias, 100 for cannas, 20,000 for dahlias, 630 for chrysanthemums, 610 for asters, 20 for zinnias, 200 for summer flowers, 250 for clematis, 1,000 for herbaceous plants, 90 for tritonia uvaria, 90 for lily of the valley, and 50 for rochea falcata. In all the German Empire has been given space for 35,006 square feet for its floricultural exhibit.

Germany has sent a commission consisting of university professors to Chicago to represent the educational exhibit made by the Fatherland. The gentlemen forming the commission are Prof. Stephen Waetzold, commissioner general; Z Zaffe, government architect; Prof. Dr. Dittmar Finkler; Dr. H. Lichtenfeld and Dr. Kallen, district school inspectors.

A novel feature is introduced in Horticultural Hall. This a long model of the Rhine district, showing the winding of the river, the steep bluffs with the famous castles and vineyards. Models of the Rhine steamboats pass up and down the river. A reproduction of the celebrated monument erected in commemoration of the Franco-German War—Germania—is also shown.

Several thousand feet is utilized for the fish exhibit in the Fisheries Building.

The women of Germany entered into the spirit of the Exposition with a zeal that is rare, and so persistent were their demands for space that it was a difficult task to find it for them. The empress herself and nearly all of the feminine members of the royal family prepared articles shown here, and throughout the length and breadth of the united kingdom fair fingers industriously worked on patterns rich and rare. The list of the articles is long and includes pictures in oil, water and silk; all branches of the kindergarten, from the very inception; tapestries, old and new; its watch and clock works; fabrics of all kinds and descriptions, and its various systems of dispensing charity.



BUILDING OF GERMANY.

Germany sent some of her very richest treasures to the Art Building. In this department is shown progression in art by comparison of the modern with the earliest German efforts.

The list of Germany's exhibitors contains 5,077 names. Represented in it are 230 cities and towns of the empire, and of these 40 cities send more than ten exhibits each. Berlin leads with 283 exhibitors; Munich follows with 187; Leipsic with 149; Frankfort, 55; Hamburg, 57, and Chemnitz, 41.

Emperor William showed his appreciation of the Exposition, and especially his respect for Director-General Davis, by authorizing Herr Wermuth, his Imperial Commissioner, to present to Col. Davis an elegantly bound work bearing on the discovery of America. The German title is "Die Entdeckung Amerikas." This work was issued by the Geographical Society of Berlin in commemoration of the 400th anniversary of the discovery of America. Toward the publication of the work Emperor William himself contributed a large amount of money.

GREAT BRITAIN.

Royal Commission.—The Council of the Society for the Encouragement of Arts, Manufactures and Commerce.

This Society (the Council of which has been appointed by Her Majesty a Royal Commission for the World's Columbian Exposition) was founded in 1754, and incorporated by Royal Charter in 1847, for "The Encouragement of the Arts, Manufactures and Commerce of the country, by bestowing rewards for such productions, inventions or improvements as tend to the employment of the poor, to the increase of trade, and to the riches and honor of the kingdom; and for meritorious works in the various departments of the Fine Arts; for Discoveries, Inventions, and Improvements in Agriculture, Chemistry, Mechanics, Manufactures, and other useful Arts; for the application of such natural and artificial products, whether of Home, Colonial, or Foreign growth and manufacture, as may appear likely to afford fresh objects of industry, and to increase the trade of the realm by extending the sphere of British commerce; and generally to assist in the advancement, development and practical application of every department of science in connection with the Arts, Manufactures and Commerce of this country." The history of the Society has been intimately associated with the promotion of Fine Art and Industrial Exhibitions. The first Exhibition of the works of native artists took place in the rooms of the Society in 1760, and out of the movement which originated this and some subsequent exhibitions grew the Royal Academy. In the following year, 1761, the machines which had obtained Premiums from the Society were exhibited to the public, and this exhibition may be considered as the commencement of the long series of Industrial Exhibitions. To the action of the Society of Arts is due the first International Exhibition, that of 1851, which was successfully carried through under the patronage of H. R. H., the late Prince Consort, who was President of the Society. The Great Exhibition of 1862, was also originated by the Society. The first Exhibition of Photography, out of which the Photographic Society has grown, took place under the auspices of the Society of Arts, 1852. The Society has also forwarded the Cause of Education by a system of Examinations, and the great questions of Sanitation and Water Supply have been discussed at Congresses convened by the Society.

H. R. H. The Prince of Wales, K. G., President of the Society of Arts.

Sir Richard Webster, Q. C., M. P., Vice-President and Chairman of the Council of the Society.

Sir Frederick Bramwell, Bart., D. C. L., F. R. S., Vice-President and Deputy-Chairman of the Council.

H. R. H. The Duke of Edinburgh, K. G., Vice-Pres.; Sir Frederick Abel, K. C. B., D. C. L., D. Sc., F. R. S., Vice-Pres.; The Duke of Abercorn, K. G., Vice-Pres.; William Anderson, F. R. S., D. C. L., Vice-Pres.; Sir George Birdwood, K. C. I. E., C. S. I., LL. D., M. D., Vice-Pres.; Sir Edward Birkbeck, Bart., Vice-Pres.; Sir Edward Braddon, K. C. M. G.; Maj.-Gen. Sir Owen Tudor Burne, K. C. S. I., C. I. E., Vice-Pres.; Alfred Carpmæl; Michael Carteghe, Vice-Pres.; R. Brudenell Carter, F. R. C. S., Vice-Pres.; Sir George Hayter Chubb; Lord Alfred S. Churchill, Vice-Pres.; B. Francis Cobb, Treas.; Sir Philip Cunliffe-Owen, K. C. B., K. C. M. G., C. I. E., Vice-Pres.; Professor James Dewar, M. A., F. R. S., Vice-Pres.; Major-Gen. J. F. D. Donnelly, C. B., Vice-Pres.; Sir Henry Doulton, Vice-Pres.; James Dredge; Francis Elgar, LL. D.; Professor Clement Le Neve Foster, D. Sc., F. R. S.; Sir Douglas Galton, K. C. B., D. C. L., F. R. S., Vice-Pres.; Walter H. Harris; Sir Edward James Harland, Bart., M. P., Vice-Pres.; Alexander B. W. Kennedy, F. R. S.; Charles Malcom Kennedy, C. B., Vice-Pres.; Sir Frederick Leighton, Bart., P. R. A., Vice-Pres.; Sir Villiers Lister, K. C. M. G., Vice-Pres.; John Biddulph Martin, Vice-Pres.; John Fletcher Moulton, Q. C., F. R. S.; John O'Connor, Vice-Pres.; General the Right Hon. Sir Henry F. Ponsonby, G. C. B., Vice-Pres.; Wyndham S. Portal, Vice-Pres.; William Henry Prece, F. R. S.; Sir Robert Rawlinson, K. C. B., Vice-Pres.; Professor William Chandler Roberts-Austen, C. B., F. R. S.; Sir Owen Roberts, M. A., D. C. L., F. S. A., Treas.; Sir Albert Kaye Rollitt, M. P., LL. D., Vice-Pres.; Sir Saul Samuel, K. C. M. G., C. B.; Rt. Hon. Lord Thurlow, F. R. S., Vice-Pres.

Sir Edward Birkbeck, Bart., Member of Royal Commission; Mr. James Dredge, Member

of Royal Commission; Mr. Walter H. Harris, Member of Royal Commission; Sir Henry Truman Wood, Secretary Royal Commission; Mr. E. H. Lloyd, Assistant Secretary and General Superintendent Royal Commission; Mr. Ralph A. Harbord, Private Secretary; Mr. J. W. Beck, Superintendent (Fine Arts); Mr. E. H. Fishbourne, M. A., LL. B., Superintendent (Manufactures); Mr. H. D. Wilkinson, M. I. E. E., Superintendent (Machinery, etc.); Mr. Thomas Bakèr, Superintendent (Transportation); Mr. H. W. Pearson, Superintendent (Agriculture).

Honorary Solicitors, Messrs. Wilson, Bristows and Carpmael, 1; Copthall Buildings, E. C.
 Honorary Architect, Col. Robert W. Edis, F. S. A., F. R. I. B. A., 14, Fitzroy Square, W.
 Honorary Auditors, Messrs. J. O. Chadwick and Son, 95, Finsbury Pavement, E. C.
 Bankers, Messrs. Coutts & Co., Strand, W. C.
 Offices in London, Society of Arts, John street, Adelphi, London, W. C.
 Offices in Chicago, Victoria House, Jackson Park, Chicago.

Great Britain's building, which is officially known as "Victoria House," (so designated by special permission from Her Majesty, Queen Victoria) occupies a prominent position on the shore of the lake, near the pier. It is generally characteristic of the best type of English half-timber houses of the sixteenth century. The upper portion is of half-timber construction in natural oak, with overhanging and projecting gables and tiled roof. Terra-cotta is used extensively in the lower story, with red brick facing and mullioned windows, so as to be seen from all points; each façade has been treated architecturally. The plan forms three sides of a quadrangle, with the open side next to the lake, inclosed by a raised terrace with balustrade. The center on the front or inland side is recessed, with steps leading from both sides up the covered portico, which opens into a large central hall. Off from one side of the hall are a library and reception-rooms, and from the other side the Secretary's office and other rooms required for the work of the commission. On the first floor are a large suite of rooms and offices. On the second floor are rooms for the meetings of juries, receptions, etc., for its own use and that of Colonial Commissions. The walls and ceilings of the principal rooms are elaborately panelled after the fashion of old English country houses, and the fittings and furnishings were specially designed for the house.

In the grand hall and staircase is a modeled plaster ceiling copied from one in Plas Mawr, Conway, North Wales, built about 1550, and generally known as "Queen Elizabeth's Place." Another plaster model, over the grand staircase and principal landing, is taken from one at Haddon Hall. Enriched plaster work is also seen in the paneling and chimney pieces. The furniture of carved oak is in the Italian style of the renaissance. A cassone is reproduced from an old Florentine example in the Royal Palace at Naples and it is enriched with a painted frontal panel on gilt ground, in allegorical portrayal of the departure of Columbus from Spain. The remainder of the settees, tables and chairs are designed on similar ancient lines, some of the carvings being copied from examples that belonged to the Medici family, now in the Pitti Palace at Florence. In the reception room the modeled plaster ceiling is reproduced from that in the banquetting hall at Crewe Hall, the seat of Lord Krewe, and one of the finest examples of Elizabethan architecture in England. The library is entirely of oak. The ribbed ceiling is of geometrical form and the bookcases extend from floor to ceiling. The dining-room contains a modeled plaster ceiling reproduced from the famous one in Campden House, Kensington, and the carved oak paneling and furniture illustrate a simpler treatment of a modern dining-room of Elizabethan character. The embossed leather on the walls was first executed for the new ball room at Sandringham Hall for H. R. H. the Prince of Wales. The floors of the principal rooms are laid with hand-made real Axminster carpets. The whole house is tastefully ornamented with dog stoves and fireplace fittings, grates and over-mantels, floor mats, etc., and the walls are handsomely decorated with banners. In the vestibule are two terra cotta panels, "The Prodigal Son" and "Pharaoh at the Red Sea," while in the garden and grounds are a handsome fountain and a large group of America executed in terra-cotta.

The space occupied by Great Britain and the Colonies in the buildings and grounds amounts to more than 500,000 square feet, of which about three-fifths

is occupied by Great Britain. This is the largest area ever occupied by the British Section at any foreign international exhibition. At Vienna, 1874, the space occupied was 169,827 square feet; at Philadelphia, 1876, 194,381; at Paris, 1878, 363,018; at Paris, 1889, 232,845.

Allotments have been made in the following buildings: Agriculture, Forestry, Live Stock, Fisheries, Mines and Mining, Machinery, Transportation, Manufactures and Liberal Arts, Electricity, Fine Arts, and Women's Building.

The most important exhibits are in the Manufactures Building. The space in this department forms one of the blocks in the center of the building at the junction of the main avenues. The exhibits made by the Royal Commission include pottery, porcelain, glass, art furniture and decoration, textiles, etc. In the galleries above are placed the educational and photographic exhibits, and the loan collections from the government departments, school board, etc. Many of the most important English manufacturers are represented, and their exhibits are arranged along the central gangway of the building. Furniture, by some of the principal makers, is also shown in this department. In the division of textiles, the contributions of the Irish linen manufacturers are important. A fine show of jewelry, and of goldsmiths' and silversmiths' work, including a unique collection of reproductions of old Irish gold work, is placed in this building. Chemical products form a large and important class.

In the Department of Electricity the British exhibitions are not very numerous. The display includes a historical collection lent from the British Postoffice Telegraph apparatus, as well as contributions sent in by commercial firms. The large share English electricians have had in developing electrical science and its practical applications is shown. The first electrician was an Englishman, Gilbert. It was in England that a practical telegraph line was first worked out by Ronalds in 1816. There are no names more closely associated with the early development of the science of electricity than those of Davy and Faraday. The introduction of telegraphy must inseparably be connected with Cooke and Wheatstone; while the early history of the dynamo would be incomplete indeed without reference to Wilde and Holmes. In England, electricity was first applied to the working of railways, and there nearly all the submarine cables of the world are made.

In the Department of Mines and Mining a typical collection of economic British minerals has been made. This includes interesting series of specimens of barytes from Bantry, Ireland, and a similar series from County Leitrim. Specimens of barytes from Snailbeach mine, Shropshire, and from Mawsden mine, Derbyshire. Clay used for the manufacture of fine white earthenware, technically known as "Blue Ball Clay," is shown, and it is interesting historically to note that this clay was used by Joseph Wedgwood in 1791. The North Devon Clay Company, of Torrington, Devon, sends a series of specimens of clay, and a photograph showing the open workings. The clay is cut by one man in a straight line, and then is cut across by a second; a third undercuts with an adze, clearing out the clay in 8-inch cubes. Specimens of copper pyrites, iron ore, red hematite ore, lead ore, tin ores, witherite, zinc-blende and calamine; also collections of coals, alum-stone and uranium from various mines in the United Kingdom are exhibited. At the close of the Exposition the entire mineral collection is to be presented to some American museum, yet to be determined upon.

A collection of photographs, illustrating the best work of amateur and professional photographers in the United Kingdom, has been arranged by the Royal Commission and is shown in the Department of Liberal Arts. Here is found a loan collection of photographs, to which contributions were made by most of the leading British photographers, professional and amateur. Engravings and fine art publications are shown by some of the principal fine art publishers. In this department may be seen an interesting collection of newspapers, educational appliances, scientific instruments, etc.

An important part of the British section is found in the Transportation Exhibits Building. The London and North Western railway show an engine and carriages. The Great Western railway exhibits a broad gauge engine. The Great Eastern, Midland and Irish railways also exhibit. There is a full collection of cycles contributed by nearly all the leading makers. A very large collection of ship models by the principal ship building and marine engineering firms, as well as by the most important steamship companies, is also shown in this department. In this building are also some interesting loans; a model of the Forth Bridge, a collection of pictures of carriages by the Institute of Coach Builders, etc.

The British machinery exhibits, while not very large, are fine. The Gallo-ways of Manchester show a 400 HP. engine, and Willans & Robinson a 350 HP. engine, to drive the machinery. Perhaps the most important exhibit in this building is the cotton cleaning machinery, by one of the principal makers. There are also looms, spinning frames, steam hammers, and printing machinery.

The Agricultural section includes food. Here Great Britain is well represented. In spirituous and other liquors there are many exhibitors. Mr. Burdett-Coutts, M. P., is showing a fine model of his stud farm.

In the Department of Fine Arts devoted to the British section are a number of handsome and valuable paintings, etc., loaned from their collections by Her Majesty the Queen, The Prince of Wales, The Duke of Edinburgh, The Duchess of Albany, Earl of Aberdeen, corporation of Birmingham, General Beadle, Archdeacon Farrar, Countess Cairnes, corporation of Brighton, The Earl of Eldon, Sir Willifred Lawson, the corporation of Oldham, Lord Monkswell, the corporation of Leeds, Sir John E. Millais, Sir Sydney Waterlow and hundreds of others.

Early in the work of arranging for the Exposition the Royal Commission appointed a committee of ladies, of which H. R. H. the Princess Christian is president, to superintend the arrangements for the British section of women's work.

This committee organized a series of sub-committees to deal with special branches of women's work, as mentioned below, and the following ladies undertook to supervise their several departments:

Education—Mrs. Fawcett.

Handicrafts—Lady Roberts.

Lace—Duchess of Abercorn.

Literature—Mrs. Gordon.

Needlework—Lady Henry Grosvenor, Lady Amherst.

Nursing—Mrs. Bedford-Fenwick.

Philanthropic Work—Baroness Burdett-Coutts.

Portrait Gallery, Music and Vestibule—Mrs. Roberts-Austen.

Ireland—Countess of Aberdeen.

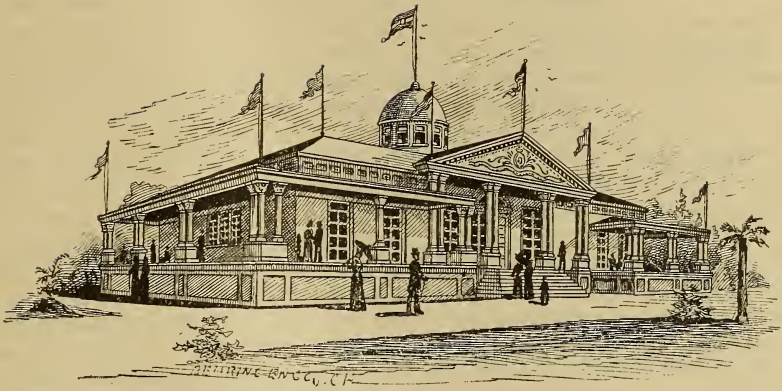
Scotland—Countess of Aberdeen.

Wales—Lady Aberdare.

A very fine collection, representing the most important branches of women's work in the United Kingdom, has been sent by the Ladies' committee. A number of excellent and comprehensive papers on questions of special interest to women have been promised for reading and discussion at the Congress to be held during the Exposition.

Among the Colonies, Canada is the largest exhibitor, as might naturally be expected. She is showing largely in the Agricultural and Mining Buildings, as well as in the Manufactures. The Canadian Commission put up a special building in the grounds for their offices. New South Wales is the next largest. Her principal exhibits are minerals, wool and timber. The Cape makes a good exhibit, notably diamonds. Ceylon has a pavilion and a creditable exhibit in several of the departments.

The Indian Government at first refused to take an active interest in the exhibition, but eventually gave a sum of 40,000 rupees to the Tea Planters' Asso-



BUILDING OF HAYTI.



BUILDING OF GUATEMALA.

ciation to promote an exhibit of Indian tea, and also made a small grant to Indian art dealers of Delhi, to assist in making an exhibition of Indian art ware. Several firms exhibit Indian art productions.

In a general way all the arrangements of Great Britain were well advanced before the opening, and much credit is due to Sir Henry Trueman Wood, the secretary, and to Mr. Lloyd, his assistant, for the splendid ability shown in handling all important matters that have come before them.

Visitors from England and Canada have the opportunity of enjoying the comforts and privileges of a first-class club during their stay in Chicago. The British and Canadian Exchange Club has been incorporated and has commodious rooms on the second floor of the Auditorium. It is an Anglo-American club, a limited number of Americans being admitted to membership. The club's quarters in the Auditorium include gentlemen's reading, writing, reception and smoking rooms; ladies' drawing, reception and toilet rooms; postoffice and information bureaus, offices, etc. The reading room is well stocked with American, English and Canadian publications, and excellent facilities are afforded for social intercourse, reception and dispatch of mail, cashing of drafts, providing hotel and other accommodations, selection of routes of travel, and in short, nearly everything foreign visitors may desire. The club was opened March 1, and will be maintained until the end of the year.

GREECE.

Mr. Charles L. Hutchinson, President Royal Commission; Mr. D. Jannopoulos, Royal Commissioner.

The exhibit made by Greece consists largely of wines, liquors, figs and raisins. There are twenty-five contributions of the first, twenty of liquors and a dozen firms showing dried fruits. Greece has taken an unusual interest in the Columbian Exposition, and a large number of people from Athens and the leading cities will visit America this summer.

GUATEMALA.

Manuel Lemas, President of the Commission; Dr. Gustavo E. Guzman, Vice-President; Ignacio Solis, Secretary; Leon Rosenthal, Treasurer; Señor Don Geo. C. Monzon, Attache.

The Guatemala Building is square, with 111 feet at each side, and occupies a total area of 12,500 feet. The architecture is original, but in no way classical. It is kept in Spanish style and corresponds well with the country it represents. The height of the first floor is 24 feet. In the center of the building a large court is arranged, 33x33 feet, with a gallery built upon colonnades of two floors. This court resembles the old patios in a Spanish house, and gives freshness and ventilation in the entire structure. In the center of the court there is a fountain from which the water plays as from a big rock. On each of the four corners of the building there is a tower 23x23 feet, surmounted by a beautifully decorated dome. The entire height of each tower is 65 feet. In two of the towers there are two large staircases, giving access to the gallery above, which extends as a terrace around the entire building. The construction is in wood, iron and staff, and the ornaments represent fruits and flowers, all in an original and light character. There are four large rooms on the first floor, and on the second floor a large reception room, with two offices and toilet rooms. All the exhibits from Guatemala will be found in this building, the most interesting of which is coffee, and how it is cultivated and marketed.

At a distance of about thirty-five feet from the main building is a rustic hut, 70x25 feet, and at the end of the same is a small kiosk, adapted for testing the coffee. The entire space around the building is converted into a large garden representing a coffee plantation, banana trees and other plants. Indian tents are placed in a corner of the grounds, and a landing place has been constructed opposite the principal entrance on the lagoon. The building cost \$40,000.

HAYTI.

Hon. Frederick Douglass, Commissioner; Mr. Charles A. Preston, Commissioner; Mr. Alfred HARRISSE, Secretary; Mr. Gustave Stromberg, Attaché.

The Hayti Building lies to the southwest of the German Building and adjoining that of New South Wales. It is in the Greco-Colonial style, surmounted by a gilded dome, which is copied after the State capitol of Massachusetts. The structure has a frontage of 126 feet, including piazzas 12 feet wide which surround three sides of the building. In the center of the façade is the coat-of-arms of the Republic of Hayti in a medallion surrounded by a scroll bearing the following inscription: "*Republique Haitienne*," and the dates 1492 (the discovery), 1804 (date of Haytian national independence) and 1893 (the present anniversary). On entering the building one comes into an exhibition hall 50x50 feet, in the center of which are eight Doric fluted columns supporting the dome. The decorations consist principally of red and blue bunting, the national colors, with flags and escutcheons. The exhibits in the pavilion consist principally of agricultural and forestry products, with some specimens of native industry in a general way. There is also displayed some pre-Columbian relics and the authentic anchor of the caravel Santa Maria, the mate to which was loaned by the Haytians to the Columbus collection in the Convent of La Rabida. The sword of Toussaint L'Ouverture is also shown among other relics of the struggle for independence. Opening from the main hall through a ten-foot archway is another exposition hall, at the rear of which Haytian coffee, prepared by native hands, is served. The entire left wing is given up for reception rooms and executive offices.

HONDURAS.

Messrs. Good & Fellows, 835 Rookery Building, Chicago, Representatives.

Honduras makes a collective exhibit in the Department of Agriculture, and shows specimens of cigars, tobacco and sarsaparilla.

Very interesting Kōpan relics of Honduras are exhibited in the Anthropological Building.

INDIA.

Richard Blechynden, Royal Commissioner.

The East India Pavilion is a rectangular building of staff, 80x60 feet. It is entered through a lofty gateway surmounted by four minarets, and is profusely ornamented in an elaborate arabesque design. The gateway, as is customary in structures of this style, forms the principal architectural feature of the building and it is here that the ornamentation is most fully carried out, and is reinforced by paintings in vivid oriental colors in strict keeping with the design followed, the whole having a rich and harmonious effect. On either side of the entrance are arcades lavishly decorated with relief work, bracelet and ornamentation. The minarets surmounting the gateway are repeated at the corners of the building, and spring from a parapet, the panels of which are covered with designs. Below the parapet and running round the building are sloping eaves, a very characteristic feature of the style followed. Internally the pavilion consists of a large hall, lighted from above, and with a broad gallery running round it on three sides to which access is given by the staircases. The building is erected by the Indian Tea Association of Calcutta, at a cost of \$15,000, to contain exhibits of tea grown in different provinces of India. Here tea of every kind is displayed and is distributed in the cup. It is served by Indian waiters in Indian costumes. An original collection of photographs especially made for the purpose, is exhibited, showing the manufacture of tea in various stages. The tea industry is one of the most important in India, giving employment to thousands of people. Some of the wildest tracts of the country have been reclaimed from a state of virgin forest and converted into thriving gardens by the energy and capital of tea planters, and within the last thirty years the production of tea in India has arisen to one hundred million pounds in weight. Exhibitors from Delhi, Bombay, Calcutta and Sinila, show many art-manufactures of India and Burmah, as well as those of the governments of their highnesses, the Hizam of Hyderabad, and the Maharajas of Mysore, Patiala and Jodhpore. The exhibits consist of silver-

ware from Kashmir, Madras, Poona, Katch, Kattack, Lucknow, Delhi and Burmah, viz.: in vases, tea and coffee sets, claret jugs, etc.; carpets and rugs; shawls, wood furniture, carved and inlaid with brass and ivory in ebony, sandal, shisham, rose and teak woods; ornamental copper wire, enameled, encrusted and embossed; hand prints in colors and wax from every province of the Empire; brass ware, engraved and embossed; papier mache articles from Kashmir; hand painted pottery; embroideries, in silk, tinsel, real silver and silver-gilt thread on silk, cotton, muslin and other stuffs in the shape of ladies' ball and evening dresses, tea-gowns, fronts, cuffs, collars, strips, etc.; marble and other stone wares in inlaid mosaics, carvings and sculptures; woolen embroideries, in curtains, portiers, table covers, etc.; sandalwood boxes, frames and panels, inlaid, mosaic and decorated with ivory, tortoise-shell and horn; silks from Surat, Assam, Mysore, Madras, Bengal, Bombay, Benares, Burmah and Hirat, also raw Cora, Assam and Tassar silks; bidri ware, silver encrusted; tinsel decorated cotton stuffs; moradabad chased and lac-inlaid brass ware, such as lamp stands, vases, trays, etc.; ivory carvings and models from Burmah, Mysore, Murshedabad, Surat, Delhi, Patiala and Vizagapatam, in images, etc.; Indian arms (new-for decorative purposes) ornamented with silver, metal and ivory, etc., all fac similes of old arms; damascened metal wares, inlaid with gold, silver and other metals; paintings on ivory, in miniature likenesses of the Moghul Padshahs and Sultanas and other leading personages. Also miniature paintings of architectural monuments; enamels on gold and silver; bronze and brass castings, in the form of animals and images; fans from Burmah, Tanjore, Sanantwadi, Poona, Surat and Benares; toys, lacquered and painted on wood; models in terra cotta, made by artists from Lucknow, Krishnagurh in Bengal and Poona—a unique exhibit never previously shown on so large a scale and representing "India in a nut shell." The models are all art-sculptures and represent buildings from almost all parts of the Empire, as well as many ancient monuments, street, bazaar and house scenes, durbars, burial processions and grounds, temples, wedding and betrothal ceremonies, religious worship and customs, satti (a wife-sacrificing her life on the funeral pile of her deceased husband, a practice now extinct); indigo and shellac factories; agricultural models, (illustrating the process of plowing, sowing, mowing, threshing, etc.); bazaars, vendors of commodities, and fruit and vegetable stalls. There are also models of artisans with their tools and appliances; of the means of transport by land, river and sea; and of the different tribes and castes of India. This class of exhibits is composed of several thousands of most artistic figures dressed in the costumes worn by the people. Then come shoes, as worn by the natives of the country; hand painted wood ware; pure Kashmir woolen stuffs, plain and embroidered; semi-precious stone jewelry, such as garnets, lapis lazuli, onyx, cornelian and jade, as worn by the Hindus; photographs of scenery, monuments of note, towers, street-life, types, castes and customs of the people. Also a set of photographs illustrating the process of elephant catching in the Mysore state; antiquities and curios collected from all parts of the Empire, Burmah and Thibet, such as arms, bronzes, coins, stuffs of every description embroidered and printed in cotton; wool and silks, chinaware, manuscripts and paintings; articles historical, religious and otherwise instructive, in bronze, wood, ivory, iron, silver and other metals. There is an inquiry office in the building and information is given regarding the manufacturers, imports of agricultural, raw and economical products, and the commerce of the Empire. The India Building is unlike any surrounding its location, which is close to the buildings of Sweden, New South Wales and Hayti. Every feature of its construction is Oriental and it is one of the most quaint and artistic on the grounds.

ITALY.

H. E. Marquis Enrico Ungaro, Royal Commissioner General; Count Detalmo Brazza di Savorgnan, Royal Commissioner; Dr. Ettore Candiani, Commissioner; Signor V. Zeggio, Royal Commissioner; Chev. Thomas Silombra, Commissioner; Signor Angelo del Nero, Commissioner

for the Fine Arts; Count R. Piola Caselli, General Secretary; Chev. L. Caldarazzo, Secretary; Signor G. Vigna dal Ferro, Secretary; Signor L. D'Urso, Secretary; Chev. G. Guetta, Official General Agent.

Italy occupies in all the departments to which she contributes about 70,000 square feet. The entire number of Italian exhibitors exceeds 1,500, of whom 665 make exhibits in the departments of Manufactures and Agriculture. The exhibits sent here by Italy and exhibited in the Manufactures section, are very largely works of industrial art, such as bronzes, marble for construction and decorative purposes, tapestries, embroideries, silken fabrics, Venetian glass, Venetian laces, cabinet-ware, inlaid woodwork, mosaics, jewelry, intaglio works, coral, etc.; specialties in manufactured delicacies for the table, such as sardines, spiced tongues and fish, and dainties of a like character. Italy occupies a court in the Manufactures Building to the south, and another on the balcony to the west.

In the Liberal Arts department are educational and musical exhibits of various kinds.

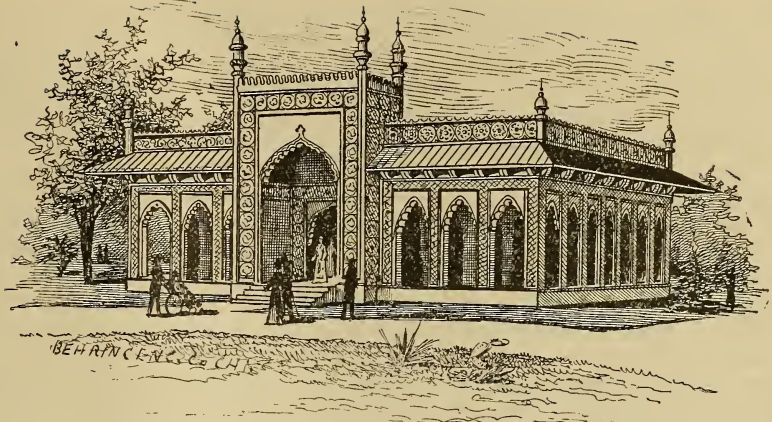
Specimens of nearly every article the fertile soil of Italy produces are shown in the Department of Agriculture.

In the Department of Horticulture the well known wines of Italy are shown, including all the brands of clarets—Barbera, Barolo, Nebiolo, Grignolino—from north of Italy; the fine champagne types from Asti and Treviso; the various Chianti's types from Eascary; the Cesanese, Abatics, Marino and Genzans from the Roman Campagna; the strong wines from Basilicata; the celebrated wines of the Vesuvius territory; Lachryma Christs, Falerna, and other sparkling qualities; the white and red wines of Capri; the selection of Sicilian wines, including the nectars of Syracuse and the legendary Marsala; beside oils and preserved fruits, oranges, lemons, olives, dates, etc.

In the Department of Mines and Mining are shown specimens of iron, copper, sulphur and lead from Sicily, Sardinia and Elba; every quality and description of marble from the quarries of Serravezza, Carrara and Castellino, also alabasters and stones from the Alps, the Apenninco and the Adriatic section.

In the Fine Arts department the display of Italy is made in the five center rooms of the west pavilion, in the west court, and in the balcony alcoves of the north court of the Art Palace. Though ancient in design and mostly a representation of the grand days of Italian supremacy in art, the commissioners expect to interest visitors in a special type of exhibits which no other country in the world can produce. Rome in all the magnificence of its early days is illustrated and the many historical treasures of the Vatican cannot fail to elicit admiration and furnish food for reflection. Italian artists who are exhibiting number two hundred. The number of the works reach one thousand. They consist of oil paintings, water colors, statuary and bronzes. Angelo del Nero, the Royal Commissioner of Fine Arts, was the pioneer in Italy of the World's Columbian Exposition. Since November, 1889, of his own individual effort, he promoted, among his fellow-citizens and through the press, Italy's participation in the Exposition, traveling during the year 1890 from one end of his country to the other, agitating the question. In 1891 he came to America, residing for the most part in Chicago in order to become familiar with and to study the magnitude and the benefits to be derived from the great enterprise. Appreciating his effective labors and his earnest interest so zealously manifested, the Exposition authorities sent him to his own country as the special commissioner for the Department of Fine Arts, where his indefatigable work of promotion led the Italian government to officially recognize the art committees which had been previously formed through his personal efforts and to make an appropriation for the free transportation of the Italian exhibits. His enterprise, zeal and enthusiasm have also largely benefited the interests of the Bureau of Music, of the Latin-American bureau, of the woman's department and those of Publicity and Promotion.

During the period of the Exposition each commissioner has his office



BUILDING OF EAST INDIA.



BUILDING OF JAPAN.

in his own department. Signor del Nero, Commissioner of Fine Arts, has his office within the main south entrance to the west pavilion of the Art Palace, near 57th street station; Chevalier T. Silombra, Commissioner of Agriculture; on the west balcony of the Horticultural Building. Signor V. Zeggis, the Royal Commissioner, occupies an office on the northwest balcony in the Liberal Arts section, and Chev. Dr. Candiani, the Royal Commissioner for Industry, has an office in the Italian court in the Manufactures Building.

Countess de Brazzi, President of the Woman's Commission to Italy, and Mrs. Leopold Mariotti, Secretary, are carrying out the design of the Queen for the display of royal laces. These laces, which belong to the House of Savoy, have never before been out of Italy, and Mme. Mariotti has signed a contract in which it is stipulated that she alone will have the care of them. This exhibit was shipped in charge of twelve sailors of the royal marine or navy, one of whom remains on guard day and night. The Italian pavilion is located in the south section of the Woman's Building, between the Japanese and French pavilions. At the rear of the booth is an arch over which is spread drapery of green silk. This is covered with the laces to represent a lace Niagara. Leading up to the arch are a number of steps upholstered in red, like the throne-room in the Quirinal. The design of the room is of the fifteenth century period. The furniture was carved in Venice. Two sentinal figures of the same period present arms toward the lace just inside the wrought-iron gate which closes the entrance to the portal. The gate, which was made in Venice, is so finely wrought as represent a piece of delicately woven black lace. On the interior of the court is the image of a woman making lace, every part of which was carved by women. She is clothed in linen which was planted, spun and woven by women.

JAPAN.

H. E. Gozo Tateno, Vice-President of Commission; Honorable S. Tegima, Imperial Commissioner; Mr. C. Matsudaira, Imperial Commissioner; Mr. M. Kuru, Official Architect; Mr. T. Uchida, Secretary; Mr. H. Ishizawa, Secretary; Mr. K. Tawara, Secretary; Mr. H. Akiyama, Secretary; Mr. Y. Yambe, Secretary; Mr. H. Shimamura, Councilor; Mr. U. Saito, Councilor; Mr. K. Niwa, Councilor; Mr. S. Nishimura, Councilor; Mr. M. Taketo, Councilor; Mr. K. Watano, Councilor; Mr. J. Takamine, Councilor; Mr. R. Hayakawa, Councilor; Mr. Shioda, Councilor; Mr. S. Okamoto, Councilor; Mr. S. Amano, Examiner of Art Works.

The Japanese Building on the wooded island is modeled after the main plan of the Hoodo (Phoenix Temple), hence called Hooden, and consists of three separate buildings connected by wide corridors. They represent respectively the styles of three different epochs of Japanese history, but are unified by the general architectural design. The south wing is in the style of the Ashikaga period of about four hundred years ago. The north wing is in the style of the most prosperous time of the Fujiwara period of about eight hundred and fifty years ago. The main hall represents the style of the Tokugawa period of about one hundred and fifty years ago. These buildings follow the general ground plan of the original Hoodo, which is one of the famous historic temples built eight hundred and forty-two years ago, and is still existing at Uji, the district noted for tea plantations, near Kyoto. These buildings are of unpainted wood, and the principle of Japanese construction and proportion is wholly adopted. The roofs of the same are covered with sheet copper according to the Japanese method. The floors, excepting that of the north wing, are furnished with thick mats, while the latter is covered with boards. The ceilings of the main hall, except two side rooms, are divided into small square panels of lacquered boards, and each of these is painted to correspond with the adjoining parts, while those of the two rooms are elaborately painted with figures of the Phoenix in gold and other colors. The wall space and surface of the sliding doors in every room are decorated with paintings of the same subject, the Phoenix, to suit each room. The work of interior decoration was undertaken by the Tokyo Art Academy, and the furniture and art works in the exhibition are selected by the Imperial Museum. All represent the three epochs to which they belong. The principal design of the building was made by Masamichi Kuru,

the government architect of Japan, and the builders are Okura & Co., who have sent a number of their workmen to Chicago. Japan's exhibit in the Woman's Building, is one of the most interesting of the Exposition. A space of 800 square feet at the left side of the entrance at the northern part of the building is occupied by an exhibition of Japanese women's work, including pictures (pure Japanese style), oil paintings, carvings, cocoons, raw silk, fabrics, embroideries, crinkled textures and crapes, *yuzen* (a Japanese fabric), hand woven Gobelin, *oshie* (relief pictures), lace, china ware and china painting, cloisonne, lacquer, artificial flowers. There is also a ladies' boudoir shown, all strictly in Japanese style and specially prepared in Japan. Japan also has a handsome pagoda in the Manufacturers' Building; a good exhibit in the Fisheries, and a garden in Horticultural Hall transplanted from Japan.

In the Department of Agriculture are shown specimens of rice, tea, vermicelli, macaroni, confections, sea food, tobacco, cigarettes, cocoons, hemp, fibres, mineral waters, saki, vinegar, soy, malt, glue, seeds, oils, wax, candles, bamboo works, ornamental and fossil woods, baskets, forest products, maps of flowers, umbrella handles, toothpicks, writing paper and envelopes, rattan work, etc.

In the Department of Horticulture are seen artificial fruits, persimmons, chestnuts, bamboo flower baskets, illustrations of lilies and maples, orchids, chrysanthemums, sago palms, ornamental leaf plants, cut flowers, canned mushrooms, seeds, fruits, preserves, jellies and jams, fruits in wax, plants, native leaves, etc.

Salt, iron oxide, red lead, sulphur, copper, tin and brass foils, antimony, gold and silver leaf and geological maps, reports and descriptions of the mineral resources of Japan are shown in the Department of Mines and Mining.

The machinery in use in Japan is illustrated in the Department of Machinery by exhibits of shuttles, tools for woodwork, printing utensils, etc.

In the Department of Transportation Exhibits are seen toy carts, baby carriages, models and diagrams of men-of-war, cruisers, tables and photos of railroad lines, bridges, tunnels, etc.

Perfumes, soaps, matches, joss sticks, toilet preparations, drugs, fireworks, chemists' wares, paper and paper articles, wall paper, inks, stationers' articles, writing brushes, imitation leather work, stenographic apparatus, cards, lacquer ware, screens, furniture, window curtains, pictures, fancy boxes, articles for house decoration, embroidery, ornaments in antimony, crystal and lacquer, bamboo work, silk fabrics, picture frames, art metal work, chinaware, faience, porcelain, stoneware, pottery, incense burners, niello work, cloisonneware, glassware, carved woodwork, carved ivory, bamboo carving, silverware, ornaments, charms, buttons, pins, raw silk and silk fabrics, crapes, gauses, ramie fabrics, matings, braids, threads, cotton fabrics, feather fabrics, woollen fabrics, clothing, boots and shoes, underwear, gowns, furs, tapestry, fans, artificial flowers, laces, tapestry, trimmings, hair pins, combs, brushes, parasols, satchels, leather goods, canes, lunch sets, umbrellas, pipes, mirrors, gutta percha water proof cloth, dolls, drums, toys, bird cages, picture books, scales, swords, lamps, lanterns, lamp shades, electric light fixtures, candlesticks, dusters, pocket warmers, iron posts and pots, tea pots and kettles, knives and scissors, safes, edge tools, razors, etc., are grouped in the Department of Manufactures.

In the Department of Liberal Arts Japan shows surgical instruments, optical, pharmaceutical and dental appliances, educational reports, text-books and diagrams of school buildings, school appliances, pictures, drawings, slates, maps, books, charts, photographs, postal system, prison records, statistics of trade and commerce, coins and metals, musical instruments, toys, statistics of life insurance, maps and tables showing lighthouses, lines of navigation, telegraphic and telephone routes, public engineering, wharf building, etc.

In general Japan makes one of the most interesting and creditable displays of all foreign countries. There are many reasons why one of the oldest of nations should be congenial with one of the youngest. There is no doubt that a

part of the original civilization of this continent was due to adventurous tribes akin to the Japanese, and the monumental architecture of Mexico as well as reasonably credible historical records almost demonstrate that an early bond existed in arts, religions and traditions among the native American races and the people from the Pacific. The Japanese are realizing keenly the importance of assimilating modern ideas and of accepting western customs. They are gentle, modest, studious. The beauty of their country pervades their nature, and they are intuitively decorative. There are in all about 300 Japanese exhibitors, a large representation considering the limited scope of industries in their country and the expense attaching to their transportation of materials and men. They are fast overtaking other foreign merchants in certain lines of natural products as well as of manufactured ones. They present seventy-two exhibits of rice alone and fourteen of vermicelli and macaroni. There are two hundred and fifteen exhibitors of tea and tobacco. Silk from the cocoon, carried through all processes up to the soft draperies, is an attractive feature to visitors from all countries. In sericulture—the raising of silkworms—they are probably unrivaled. Judgment varies among Western critics concerning the intrinsic worth of their fine arts, especially the pictorial. But there is no division about the sincerity and ardor of their addiction to beautiful forms nor of the universality of the decorative idea throughout their industries. Their own carpenters, painters and decorators did all the work in preparing their portion of the exhibits. They have grown quite accustomed to our ways, and do not surrender their methods in favor of ours unless the superiority of the new over the old is apparent. Their artisans are among the most diligent, painstaking and prompt in the Park. Their catalogue was the first presented to the catalogue compilers. It was mechanically faultless, and written in good English. The installation of their exhibits has proceeded with smooth and judicious direction, so that it lacks nothing in completeness. Their officials are suave, patient and efficient.

JAMAICA.

Hon. Lieut.-Col. C. J. Ward, C. M. G., Commissioner; Mr. George Augustus Douët, Assistant Commissioner; Mr. Edmund Haughton Sanguinetti, Secretary.

Tobacco, cigars and cigarettes, cocoa, coffee, chocolate, Kola beans and powder, sugar, ginger, pepper, nutmegs, assorted fibres, kuskus grass, aerated waters, rums, cordials, wines, rice, starch, tapioca, arrowroot, cassava cakes, banana meal, oils, pimento, pickles, native woods, india rubber, seeds, etc., are shown from the Island of Jamaica in the Department of Agriculture.

There are three groups in the Department of Mines and Mining embracing clays, pottery sand, salt, ochre and copper.

In the Department of Manufactures exhibits are made of drugs and pharmaceutical preparations, extracts, dentrifices, essential oils, fancy work, pottery, mats and baskets, hats, fibre work, leather, etc.

The history and laws of Jamaica, vital statistics, photographic views, law books and maps are shown in the Department of Liberal Arts.

JOHORE.

Dato Sri Amar d'Raja, C. M. G., Secretary to H. H. the Sultan, Commissioner; Mr. H. W. Lake, Deputy Commissioner

Owing to local troubles of a warlike character Honduras relinquished the space taken at the Exposition, and the commissioners from Johore at once took it. This occurred only a few days before the opening, but despite the short time in which to make ready its exhibit, Johore makes an attractive display.

A collective exhibit is made in the Agricultural Building, besides an outside space. It consists of krisses and seirongs, agricultural implements, weights, measures and coins, native woods, hides and skins, stuffed birds, and the Indian bungalow, which is a conspicuous feature. The tea culture of Johore is exemplified in a fine exhibit of teas shown in the Department of Agriculture.

KOREA.

Hon. Chung Kyung Won, Royal Commissioner; Mr. Ye Sung Soo, Special Commissioner;

Mr. An Key Sun, Interpreter; Mr. Chung Pong Hwan, Interpreter; Hon. Ye Cha Yun, Korean Charge d'Affaires.

Manufactures is the department in which the principal Korean exhibits may be seen. These include fabrics, silk and cotton, grass cloths, hemp, lion and tiger skins, furs, deers' horn, implements of war and the chase, household ware, utensils, native costumes, inlaid ware, bric-a-brac, and curios. Some very large sedan chairs peculiar to the country are also included in the collection. Minerals from the kingdom are also exhibited.

LIBERIA.

Hon. William E. Rothery, Commissioner; Hon. Alfred B. King, Commissioner; Mr. William C. Brockmeyer, Secretary.

Liberia makes an unclassified collective exhibit, installed in the Agricultural Building. Here, from the various tribes, are shown specimens of iron, fishing contrivances, canoes, charms, quaint musical instruments, ivory, idols, books of the Koran, jewelry, skins of native animals, oils, seeds, cane sugar and syrups, pepper, medicinal plants, nuts, native dyes, coins, minerals, dirks and knives, spears, bows and arrows, rice and coffee, palm oil, palm kernels, arrowroot, camwood, hardwoods, ivories and various articles showing the manners, customs and habits of the natives. The principal article is the Liberian coffee, which is a peculiar species, and has received the name of coffee Liberiansis by coffee experts. A peculiarly interesting exhibit, unique because of its rarity is a finely mounted specimen of a "hippopottamus Liberiansis." This animal was supposed to have long since passed out of the animal world. There are but two other specimens, one in London and one in Paris. This specimen was prepared by the Academy of Natural Sciences in Philadelphia, and will be returned to that institution after the Exposition. Liberia is the only civilized Christian negro state in Africa, and is exerting a wide influence in the enlightenment of those parts of the continent with which it comes in contact. The country is after the model of the United States Government. The means of communication between Liberia and America are poor, which is much to be regretted, because the people use the same language and have the same manners and customs as the Americans and present a field for the further development of American commerce. It is nearer to the United States than is Europe and still all the trade of Liberia is done with Europe. English and German steamers constantly visit the west coast of Africa.

MEXICO.

Señor Lic. Miguel Serrano, Delegate General; Engineer Fernando Ferrari Perez, Secretary General and Sub-Delegate; Señor Lic. José F. Godoy, Auxiliary Agent; Señor Don M. G. Torres, Commissioner; Señor Don A. D. y Hernandez, Commissioner; Señor Don M. H. de Azua, Commissioner; Señor Don A. R. Nuncio, Commissioner; Señor Don M. de las Piedras, Commissioner; Señor Don Othon de Palacio y Magarola, Commissioner; Señor Don M. M. Chabert, Commissioner; Señor Don Julio Poulat, Commissioner; Señor Don Rosendo Sandoval, Commissioner; Señor Don C. Sellarier, Commissioner; Señor Don J. D. Fleury, Commissioner; Señor Don Lauro Viadas, Commissioner; Señor Don F. Atristain, Commissioner; Señor Don R. Escobar, Commissioner; Señor Don Rafael Mallen, Commissioner; Señor Don A. M. Chavez, Commissioner; Prof. Mariano J. Garfias, Assistant Secretary; Señor Don José Oteo, Commissioner; Señor Don M. Caballero, Commissioner.

In the Department of Mines and Mining Mexico has made an exhibit which will astonish the world with the extent and wealth of the mining in that country. It consists of gold, silver, and copper ores, and in the consignment received and installed in the Mines Building there were 300 cases, and they averaged over 1,000 pounds each. Mexico also makes very creditable displays in nearly all the other departmental buildings. In the Department of Agriculture the raw products of the country, principally coffee and sugar, are shown. In the Department of Transportation Exhibits a fine display is made by the Mexican Central Railroad. Ore crushing and sugar machinery are shown in Machinery Hall. In the Department of Manufactures and Liberal Arts Mexico has 5,443 square feet, and the various manufacturing industries of the republic, and the educational and internal affairs of the government are there exhibited.

Mme. Diaz, the wife of President Diaz, has taken deep interest in the Woman's Department of the Exposition, and Mexico's display in this department is attractive and interesting.

MONACO.

A. Mackie, Commissioner; Mr. Louis H. Ayme, Assistant Commissioner.

This little principality has a collective exhibit in the Department of Electricity, and it consists in the main of tapestry, silverware and heirlooms.

NETHERLANDS.

Mr. George Birkhoff, Jr., Royal Commissioner General; Mr. Hubert Vos, Acting Commissioner of Fine Arts; Mr. A. Preyer, General Manager Fine Arts.

The Netherlands exhibit in the following departments: Agricultural, Horticultural, Fisheries, Transportation, Manufactures and Fine Arts.

The exhibit in the Agricultural department consists of sweet chocolate, cocoa, Dutch cake, arack, rum, gin, cordials, liquors, indigo and kapok.

The exhibit in the Horticultural department is entirely outside of the building and on the Wooded Island. It consists of a beautiful collection of roses, Darwin tulips, bulbs, climbing plants, trees and shrubs.

In the Fisheries department is exhibited an artistic herring boat, in full sailing order as seen on the ocean, at one-seventh of its original size.

In the Transportation Exhibits department is exhibited a collection sent by the Royal Institute of Engineers of Holland, showing the different waterways and public works of that country; there are also model Dutch sailing vessels on exhibition.

In the Manufactures department the exhibit consists of earthenware, porcelain, painted porcelain, tiles, mantel decorations, porcelain panels, marble statues, metal vases, church ornaments and windows, prescription and chemists' scales, imitations of wood and marble, etc.

In the Department of Fine Arts there is a fine collection of paintings of modern Dutch masters, contributed by 138 artists and consisting of 189 paintings, 108 drawings and 72 etchings. This collection is more important than the one sent to Paris in 1889.

In addition to this the Netherlands East Indian Colonies have in the Agricultural Building a pavilion, made of bamboo, nicely decorated, in which are exhibited the products of those colonies, consisting of rice, flour, cane sugar, palm sugar, tea, coffee, cocoa, pepper, cloves, cinnamon and other spices, tobacco, indigo, kapok and tin.

The Royal Commission has its office in the Netherlands exhibit of the Manufactures Building.

NEW SOUTH WALES.

Honorable Dr. Arthur Renwick, M. L. C., Executive Commissioner; Mr. Herbert J. Renwick, B. A., Private Secretary; Mr. Robert Hudson, J. P., General Superintendent; Mr. Thomas Pugh, Assistant General Superintendent; Mr. Alexander Bruce, J. P., Superintendent (Stock); Mr. Joseph E. Carne, F. G. S., Superintendent (Mines); Mr. W. Fitzwilliam Terry, Superintendent (Liberal Arts); Mr. Joseph F. McGuinness, Assistant Private Secretary; Mr. James Martin, M. P., Member of the Commission; Mr. C. C. Skarratt, Member of the Commission; Dr. Carl F. Fischer, Member of the Commission.

The New South Wales Building is classical in design and ornamentation. It covers an area of 4,320 square feet, being 60x60 feet in exterior dimensions, with a portico 12 feet wide extending across the front. There is a flight of three steps leading to this portico and extending across the front and ends of the same. The roof of this portico is supported by six Doric columns, two feet and six inches in diameter, and twenty feet high, with a cornice, frieze and balustrade extending round the entire building. At each of the corners is a large Doric pilaster corresponding to the columns of the portico. The entrance is in the center of the portico front. All openings have molded architraves and cornices, and each window has a pair of molded modillions under it. The exterior of the building

is staff. The central portion is occupied by a hall thirty feet in width, and extending the entire depth of the building. In the center is a polygonal dome thirty feet in diameter, the top being forty feet from the floor. This dome adds to the effect, light and ventilation of the whole, and is covered on the interior with ornamental staff. Arranged on three sides of the main hall are the various offices of the legation, eight in number. There is a large toilet room in the rear.

New South Wales makes a strong showing in nearly all the exhibit sections, principally in the departments of Mines and Mining and Liberal Arts. In the latter department the space occupied is in the west gallery of Manufactures Building. It is divided into five courts, and over the entrance is the Australian coat-of-arms made in a realistic way. The supports of the coat-of-arms are a kangaroo and an emu. In one court are all the rare birds of Australia stuffed and perched on native boughs. Some of them are of very brilliant plumage, and they range from the emu down to a humming-bird, which is pure white. In this room is also placed a group of four platypus. This is the species found in the southern hemisphere that science has never been able to classify. It is about the size of a beaver, has fur like a seal, a bill like a duck, eyes like a fish, is web-footed, lays eggs, hatches its young, and lives in the water. It is a sort of combination misfit, and is very rare. One of the courts is given up to the Technical College of Sydney, and illustrates all the work done there. Another is a model of an Australian newspaper office. The ethnological display is very rich, as it includes, as far as can be shown, the history of the aboriginals of not only Australia but all of the South Sea Islands. One of the most attractive features is the photographs taken by the government artist. Under the coat-of-arms, and over the entrance, is a photograph of Sydney harbor, thirty-two feet long, and there are several eight feet long. The walls of all the courts are lined with photographs 40 by 50 inches, showing all of the public buildings, statues, mountain and water scenery, the banks, and many other objects of interest. There are also two collections of water colors. One is by Mrs. Rown of Sydney, and represents all of the animals of the country. The home government offered \$35,000 for the collection, but it is not for sale. The other is by Cayley, and is of the birds of the country.

In the Department of Mines and Mining the New South Wales exhibit attracts much attention, and it gives a good idea of the great mineral resources of Australia.

NORWAY.

Mr. Chr. Ravn, Royal Commissioner General; Mr. Annas C. R. Berle, Secretary Royal Commission; Mr. S. A. Buch, Commissioner of Fish and Fisheries; Mr. Otto Sinding, Commissioner of Fine Arts; Mr. Torolf Prytz, Commissioner of Manufacture; M. N. Kielland, Architect to the Royal Commission; Mr. Otto Enger, Assistant to Commission of Fish and Fisheries; Mr. S. Sinding, Volunteer Assistant to Commissioner of Fine Arts; Mr. I. K. Boyesen, Chairman of Royal (Local) Committee; Mr. O. A. Thorp, Secretary of Royal (Local) Committee.

The pavilion of Norway is located in the northeast end of the park between the Fine Arts Building and the pavilion of France. Its style of architecture is of the old Norse, so called Stane-kirke type, which dates from the eleventh century, and of which examples are still to be found in several old church buildings preserved in Norway as memorials from centuries ago. The historical dragon heads, which adorned the Viking ships of that and earlier periods, will be recognized in the similarly ornamented gables of the pavilion.

The building is 24x40 feet and is used as headquarters for Norwegians and as an office for the Norwegian Commission.

The Norwegian exhibit is found principally in the Department of Agriculture. It consists mainly of cheese, beers and ale, liquors, bitters, pure spirits, whale-bone, whale guano and other sea and whale products, oils, wood pulp, timber, etc.

In the Department of Horticulture are preserved vegetables, pickles, etc.

Fish products, aquatic birds, nets, seines, hooks, lines, harpoons and equipments for whales and porpoises, foghorns and lanterns, skin and oil clothing and



BUILDING OF NORWAY.



BUILDING OF NEW SOUTH WALES.

equipments, cured fish, cod liver oil, stearine, preserved fish, etc., peculiar to the fish industry of Norway, are shown in the Department of Fish and Fisheries.

In the Department of Transportation Exhibits are shown models of locomotive and railway cars, blocks and dead-eyes, mail wagons, sleighs, kariols, etc

Wood-carving, beer tankards, drinking horns, portieres, wall hangings, jewelry, silver and gilt table ware, gold ornaments, diamond jewelry, watches, rugs, gloves, embroideries, brushes, dolls, stoves, mud protectors, etc, are shown in the Department of Manufactures.

Books, school material, publications and Norwegian statistics, drawings and desk for deaf mutes, reports and charts of Arctic expeditions, photos of scenery, statistical maps of mining and commerce, musical instruments, etc., are shown in the Department of Liberal Arts.

ORANGE FREE STATE.

E. R. Grobler, Commissioner.

An exhibit of uncut diamonds is made by Orange Free State in the Department of Mines and Mining.

PARAGUAY.

Dr. César Gondra, E. E. and M. P., President ad honorem; Dr. Emil Hassler, Commissioner General; Mr. A. R. Sainte Croix, Commissioner; Mr. Frederico Fernandez, Assistant Commissioner; Mr. Fidel G. Pierra, Assistant Commissioner.

Although any one coming to the Exposition from Paraguay must traverse the Atlantic twice and travel a dozen thousand miles, a number of visitors from that country are coming. In making the trip it is necessary to go to Italy, where a vessel can be taken for New York, Paraguay makes an interesting exhibit, the object being to show what an immense commerce could be maintained between that country and this—trade that now benefits Europe. With vessels making the trip direct, both the countries would be very materially benefited.

PERSIA.

Honorable E. Spencer Pratt, Commissioner General, Mr. Clarence Andrews, Assistant Commissioner.

Persia exhibits rugs, armors, carpets, etc., in Manufactures Building.

PORTUGAL.

Mr J. M. do Outeiro Ribeiro. Adjunct Commissioner, Mr. S. Chapman Simms, Vice Counsel and Secretary of Commission.

Portugal makes one of the largest and finest displays of wines to be found in the section of viticulture. It consists of fine old port, Madeira, sherry and champagnes in casks and bottles.

RUSSIA

H. E. Imperial Chamberlain P. de Gloukhovskoy, Commissioner General; Mr Constantine de Rakouza-Soustcheffsky, Imperial Commissioner, Mr. A. de Tsherep-Spiridovitch, Imperial Commissioner; Mr Alexis de Kobellatzky, Member of the Imperial Commission; Mr. Robert de Lingen, Imperial Commissioner; Mr. A. Zelenoy, Imperial Commissioner; Mr. Franz Utnemann, Imperial Commissioner; Mr M. Bilbasoff, Imperial Commissioner; Mr. P. Andreiev, Delegate of the Ministry of War; Prof. Dimsha, Delegate of the Ministry of Public Instruction; Mr. B. Tedorov, Delegate of the Imperial Appanages; Mr. Wladimir de Weshniakoff, Imperial Commissioner; Mr. I. Lebedkine, Delegate of the Ministry of State Domains; Mr. A. Niedikhiaieff, Delegate of the Commission of the Central Asian Exhibition of Moscow; Baron Pillar von Pilchau, Delegate of the Imperial Appanages, Count Rostovtzeff, Delegate of the Ministry of State Domains; Prof William Williams, Delegate of the Ministry of State Domains; Mr. A. Roppet, Architect, Imperial Commission; Prince S. Volkonsky, Delegate of the Ministry of Public Domains; Mr T. Kamensky, Sculptor; Mr. E. Baikov, Clerk; Mr. Alexander Grinevsky, Imperial Commissioner

DELEGATES.

Ladies' Committee under the High Protection of Her Majesty Princess M. Shakhovskay, Maid of Honor of Her Majesty.

Charity and Educational Institutions of the Empress Mary: Mrs. T. Semetchkin; Mr. O. Aderkas, Councilor of College.

Ministry of War: Mr A. Heard, Councilor of State; Mr. P. Andreev, Technological Engineer.

Ministry of Marine: Mr. D. Mertvaho, Post Captain; Mr. E. Kolbassieff, Lieutenant; Mr. N. Ogloblinsky, Lieutenant.

Ministry of Interior: Mr. Bernhard, Civil Engineer.

Ministry of Public Instruction: Prince S. Volkonsky, Gentleman of the Emperor's Bed Chamber; Mr. L. Dimsha, Professor of St. Petersburg University; Mr. T. Kovalevsky, Secretary of College.

Ministry of Finance: Mr. J. Ianschul, Actual Councilor of State, Professor of University of Moscow; Mr. D. Konovalov, Councilor of State, Professor of University of St. Petersburg.

Ministry of Public Domains: Mr. A. Plietnoff, Member of the Imperial Russian Commission; Count Stenbock-Fermor, Councilor of Court; Mr. Jigalkovsky, Councilor of Court; Mr. J. Lebedkine, Assessor of College; Count J. Rostovtsov, Secretary of College; Mr. M. Konshin, Secretary of College; Mr. M. Williams, Professor of Petrovsky Academy; Mr. P. Slieskin, Professor of Petrovsky Academy.

Ministry of Ways and Communications: Mr. A. Ryjoff, Councilor of Court; Mr. P. Protopopov, Honorable Councilor.

Department Imperial Appanages: Mr. M. B. Fedoroff, Councilor of Court; Baron Pilar Von Pilchau, Assessor of College.

Central Asian Exhibition at Moscow: Mr. A. Niedikhliaieff

Adjoints: Mr. G. Gagenfelden, Commissioner of the Board of Government Stamped Paper; Mr. I. Petrovo-Roppet, Architect; Mr. A. Protopopov, Delegate of the Imperial Technical Society; Mr. F. Kamensky, Sculptor; Mr. E. Baikoff, Employee; Mr. R. Meltzer, Etalagist.

The exhibits in the various departments made by Russia are valued at \$500,000. In the Department of Mines and Mining diamonds are a conspicuous feature of the Russian exhibit.

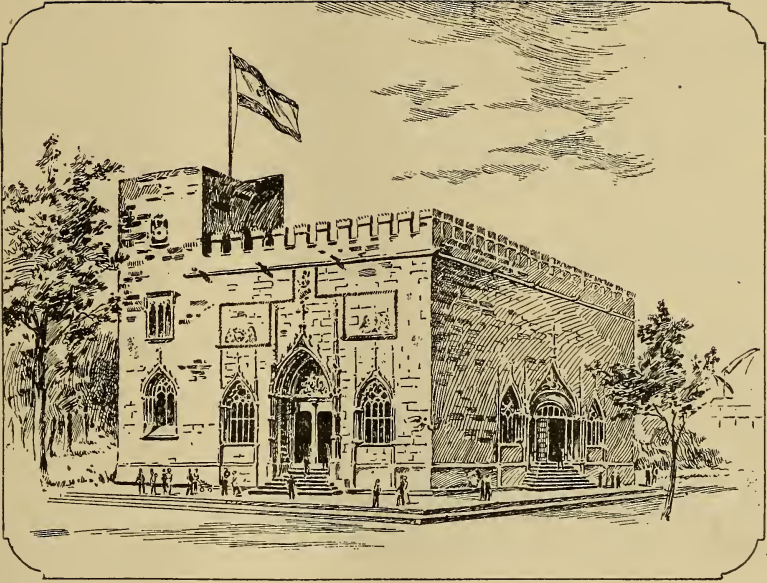
Russian paintings, statuary and other specimens of fine arts are exhibited in the art galleries, while in the Departments of Manufactures and Transportation Exhibits many specimens of Russian handiwork are shown.

In the Department of Manufactures can be seen one of the greatest collections of Russian furs ever shown outside the empire. The fur-bearing animals of the great Siberian steppes, as well as those of European Russia, have been drawn upon. The dressing and manufacture of furs into garments, for which the Russians are noted, are also here illustrated. Silverware of fabulous value; furniture, in which many of the valuable native woods, besides some remarkable effects in wood carving and ornamentation, is shown. There is a very complete display of silks in the various grades, for which Russian silk manufacturers are specially noted, including some remarkable specimens of gold and silver weaving on silk backgrounds. Such methods of ornamentation are only common, even in Europe, when some priceless vestments for priestly use are being prepared, or some special decorations for court purposes are contemplated. In the ordinary commercial fabrics, such as cotton and woolen goods, Russia also makes an elaborate showing.

A special collective exhibit of Asiatic products is made. The Asiatic exhibit is part of a similar exhibit held in Moscow two years ago which attracted world-wide attention at that time. It contains a collection of implements, manufactures, arts and illustrations of the natural resources and methods of life in the oriental dominions of the czar. This is probably the only reliable exhibit of Asiatic products, customs and arts ever brought to America, and will be instructive in furnishing an accurate knowledge of the people of central Asia. There is also a large display of pianos by Russian makers. Then there are beautiful bronzes, malachites and marbles by leading manufacturers.

In the Department of Liberal Arts, Russia makes a fine showing. There is a complete exhibit by the principal governmental and private schools of the empire; also specimens of gold and silver embroidery, etc.

In the Department of Fine Arts over 200 works of art are shown. The Imperial Academy of Fine Arts at St. Petersburg has sent out what is probably the best collection of Russian paintings ever shown at a foreign Exposition. It is not claimed, however, that all the leading artists of the empire have contributed to the exhibit. The younger Russian artists are out in force, and many of the older ones with whose work the art world is familiar. The studios of St. Petersburg and Moscow are represented. The works of such distinctive Moscovite painters as Beroff are seen in the collection. The great works of Rapin,



BUILDING OF SPAIN-



Convent.

W.B. Conkey Co. (n.)

CONVENT OF LA RABIDA.

Semiratsky and Makoffsky give a distinctively Russian tone to the exhibit. There is not much sculpture in the art display. There are some engravings and a few water colors. Oil paintings constitute the leading feature of the exhibit.

In the Shoe and Leather Building Russia shows the various grades of rubber and leather fabrics. A particular feature of the Russian leather exhibit is mosaic leather and stamped leather. There are twenty-eight exhibitors in the department of the shoe and leather exhibit, all being prominent Russian firms or corporations.

In the Department of Transportation Exhibits models of vessels, cables and chains, and maps and plans of railways, canals, etc., are shown.

In Mines and Mining the great Siberian mines are illustrated by maps, implements and statistics, and metallurgy is shown in various forms.

The electrical exhibit is small, there being only 200 square feet set apart for Russia in Electricity Building.

In the Department of Fisheries there are models of fishing craft and a valuable collection of specimens of all forms of the finny tribe found in Russian waters.

SIAM.

Phra Suriya Nuvatr, Royal Commissioner; Hon. Isaac Townsend Smith, Consul General, Assistant Commissioner; Luang Nephath Kulaphongs, Assistant Royal Commissioner.

Siam's exhibit is mostly of the products of the soil and manufacture, specimens of woods and especially of teak, which is used extensively in ship building, are shown. One piece is six feet broad, which is quite a curiosity. Exhibits of carving in ivory, work in brass, native vegetables and various fancy articles of manufacture are also made. The wife of the Siamese Commissioner has charge of the exhibits of the women of Siam. This exhibit is mostly of fancy work, crocheting and needlework. The King appropriated \$35,000 for the purpose of arranging the exhibit.

SPAIN.

H. E. Señor Don Enrique Dupuy de Lome, Minister Plenipotentiary, Royal Commissioner-General; Señor Don A. G. del Campillo, Secretary of Legation, Assistant Commissioner General; Don Rafael Pnig y Valls, Civil Engineer, Special Commissioner for Industry; Don Juan Pavia, Architect, Special Commissioner for Fine Arts; Capt. Don Juan de Cologan, Royal Engineers, Special Commissioner of the Department of War; Lieut. Don Juan Ibarreta, Royal Navy, Special Commissioner of the Department of Navy; Don Rosendo Fernandez, Delegate of the Chamber of Commerce of Havana, Cuba; The Marquis of Villalobar, Attaché to the Legation and Commission; Don Manuel Perez Séoane, Attaché to the Legation and Commission; Mr. Hobart C. Chatfield-Taylor, Consul, Attaché to the Commission; Don Jaime Parlade, Treasurer, Attaché to the Commission; Don Juan Vilardell, Attaché to the Commission; Don Juan Espina, Assistant Commissioner of Fine Arts.

The Spanish Building, which is modeled after the Casa Lonja of Valencia, shows only parts of the original building, the column hall and the tower having been reduced in proportion to three-fourths of the original, which was erected before the date of the discovery of America. The structure has a frontage of 84 feet 6 inches. There are three floors, two of which are occupied by the Royal Commission. The space is distributed in three naves longitudinally and five naves transversely, corresponding to eight pillars in the center, with quarters and halves in the lateral walls and corners, forming in all fifteen vaults. The ornaments represent the church, magistracy, military and the arts; also the agricultural, commercial and industrial pursuits of the kingdom. The material is wood and staff.

The general exhibits made by Spain outrank anything that country did at the Centennial or the last two Paris Expositions. The wealthy men of Spain whose wine cellars are famous at home took so much interest in the exhibit as to send over 12,000 bottles of their choicest collections. This forms a portion of the wine display.

In the Fine Arts Palace are shown forty-six oil paintings and twenty-two sculptures from Barcelona, besides many architectural works and engravings. To round out the exhibit of manufactures, the displays made recently at a special exhibition at Barcelona were shipped here.

First-class exhibits are made in the Departments of Machinery and Electricity.

In the Transportation Exhibits Department the Marquis of Comillas, President of the Spanish Transatlantic Company, alone took all the space assigned to Spain and the many models of ancient and modern naval architecture are provided for.

The agricultural display comprises 6,605 square feet. Exhibits for this department come from Cuba, Puerto Rico, the Philippine islands, and the coast of Guinea. These provinces show samples of coffee, sugar, mineral waters, preserves, tobacco, manilla hemp, cocoa, chocolate, etc.

In the Department of Ethnology Spain occupies 10,000 feet. It has also the chapel of the Convent of La Rabida and space in the Woman's Building. Her Majesty, the Queen Regent, is the President of the Spanish Woman's Commission and personally superintends the work.

The Spanish pavilion in the Woman's Building contains 200 square feet and is located just in front of the south entrance. A recent communication from Spain shows the appreciation of the women of that country of the marked consideration shown them by the Board of Lady Managers. Spanish women instead of receiving the general circular letter sent to other countries were addressed by a personal letter from the President of the Woman's Board. In response to the cordial letter from Mrs. Palmer there was much enthusiasm in Spain, and a great many personal relics of Queen Isabella are therefore exhibited. In the collection is the sword of "Her Majesty," which is preserved in the Royal Armory at Madrid. This, together with a portrait of Isabella, and some jewels which belonged to her occupy the place of honor in the Spanish woman's exhibit. This exhibit is so complete that it gives a comprehensive idea of the culture and progress of Spanish women during the different periods of their history. A curious and interesting feature of the exhibit consists of a number of ingeniously contrived manikins, showing with historical accuracy the characteristic types and costumes of the different provinces of Spain. Many beautiful and strange articles of needlework made by the country women are in the collection. Cushions richly covered with gold and silver lace, a quantity of the beautiful variety of lace known as "Olonde," spinning wheels, curios made by the primitive machines in linen and worsted, and picturesque ornaments for the coiffure are shown. Donna Concepcion Arenal, who recently died, was in charge of the literary exhibit, as she was the recognized leader of all intellectual movements in her country, especially in the line of philanthropy and reform. The religious writings of St. Theresa, of Jesus, which rank with the first Spanish classics, a volume of Latin poems written by Donna Lucia Riega in the sixteenth century, the original manuscripts of a number of poems written by Queen Maria Amelia, the second wife of King Ferdinand VII, are also in the collection.

The Duke of Verugua sent to the State Department at Washington the most interesting historical documents in the world relating to the voyage and discoveries of Columbus, and these are exhibited in the Convent of La Rabida. The documents are appended herewith and form a history authentic in its character of the doings of the great navigator:

1. The commission of Columbus. The original commission given to Columbus by Ferdinand and Isabella upon his departure for the first voyage, dated Granada, April 30, 1492, appointing him Grand Admiral of the ocean seas, Vice-King and Governor-General of all the lands that he should discover.
2. Royal letters patent from the sovereigns of Spain granting licenses to the persons accompanying Columbus on his first voyage. Dated Granada, April 30, 1492.
3. Royal letters patent from the sovereign of Spain commanding the inhabitants of Palos to furnish Christopher Columbus with two caravels for his first voyage. Dated Granada, April 30, 1492.
4. Royal letters patent from the sovereigns of Spain commanding the inhabitants of Palos to furnish Christopher Columbus everything necessary to equip the caravels for his first voyage. Dated Granada, April 30, 1492.
5. Royal letters patent from the sovereigns of Spain exempting from taxes supplies needed for the fleet of Columbus on his first voyage. Dated April 30, 1492.

6. Royal letters patent from the sovereigns of Spain ordering that Christopher Columbus may take without charge anything needed for his first voyage. Dated May 15, 1492.
7. Royal letters patent from the sovereigns of Spain granting power to Christopher Columbus to seal and deliver stores of provisions in their names. Dated May 15, 1492.
8. Royal letters patent from the sovereigns of Spain commanding that Christopher Columbus be allowed to pass freely through ports, cities, towns and villages. Dated Barcelona, May 20, 1492.
9. Certificate of Roderigo Perez, notary public in the City of Isabella, Santo Domingo, Dec. 16, 1495, concerning the contract made by the sovereigns of Spain with Christopher Columbus in the Town of Santa Fé de la Vegas de Granada, April 17, 1492.
10. Royal letters patent from the sovereigns of Spain authorizing 300 persons to be taken by Columbus on his second voyage. Dated Burgos, April 23, 1493.
11. Royal letters patent from the sovereigns of Spain commanding Columbus to prepare a fleet for his second voyage. Dated May 23, 1493.
12. Royal letters patent from the sovereigns of Spain commanding captains and masters of vessels to recognize Admiral Christopher Columbus as Captain-General, and to obey him in every particular. Dated at Barcelona, May 28, 1493.
13. Royal letters patent from the sovereigns of Spain authorizing Christopher Columbus to appoint three persons for the offices of government in the lands he should discover. Dated Barcelona, May 28, 1493.
14. Instructions for his second voyage given to Columbus by Ferdinand and Isabella, May 29, 1493.
15. Original memoranda written by Christopher Columbus to the sovereigns of Spain concerning the money required for the compensation and subsistence for six months of the 300 people who were to accompany him on his second voyage.
16. Bull of Pope Alexander VI granting to the sovereigns of Spain all lands discovered by Christopher Columbus. Dated at Rome, May 4, 1483.
17. Letter from the sovereigns of Spain to Columbus assuring him of the peaceful intentions of the King of Portugal. Dated June 12, 1493.
18. Letter from Queen Isabella to Columbus recommending Juan Aguado to a good position in his fleet. Dated June 30, 1493.
19. Letter from the sovereigns of Spain to Christopher Columbus recommending the appointment of Sebastian de Olano as Collector in Indies. Dated Aug. 4, 1493.
20. Letter from the sovereigns to Christopher Columbus urging him to hasten his departure to the Indies, Aug. 18, 1493.
21. Letter from Queen Isabella to Columbus inclosing a copy of a book he had left with her, asking him to send her a certain sailing chart, and urging him not to delay his departure. Dated Sept. 5, 1493.
22. Letter from the sovereigns of Spain to Christopher Columbus asking his opinion in regard to a certain document which had been prepared in reply to the King of Portugal. Dated Barcelona, Sept. 5, 1493.
23. Letter from the sovereigns of Spain to Christopher Columbus concerning certain expeditions of the King of Portugal and informing him that the book which he left with them would be forwarded to him by Don Juan de Fonseca, June 1, 1493.
24. Royal letters patent from the sovereigns of Spain directing Christopher Columbus to return to the Indies. Dated Medina del Campo, June 22, 1493.
25. Decree of King Ferdinand and Queen Isabella granting to Columbus an annuity of 10,000 maravedis, to be paid from the tax upon the butcher-shops of Cordova during his lifetime. Dated at Valladolid, Nov. 18, 1493.
26. Books which contain certified copies of royal letters patent from the sovereigns of Spain granting to Christopher Columbus all the rights, titles, dignities, and regalias enjoyed by the Admirals of Castile. Copies of royal letters patent in towns established in Santo Domingo. Contracts of Columbus with the sovereigns of Spain.
27. Instructions from the sovereigns of Spain to Columbus concerning his second voyage, dated Barcelona, March 30th, and Sept. 15, 1493; Medina del Campo, April 19, 1494; and Segovia, Aug. 16, 1494.
28. Letter from the sovereigns of Spain to Christopher Columbus acknowledging with great gratification the receipt of letters by the hands of Antonio de Torres and requesting him to send Bernal Diaz de Pisa, accountant of the expedition, to Spain, dated Medina del Campo, April 13, 1494.
29. Letter from the sovereigns of Spain to Christopher Columbus, dated Segovia, August 15, 1494, asking certain information and informing him of an agreement with the Kingdom of Portugal.
30. Decree of King Ferdinand and Queen Isabella granting a coat of arms to Columbus. Dated June, 1494.
31. Letter from the sovereigns of Spain to Christopher Columbus congratulating him upon his return from his second voyage and requesting him to report to the court at once. Dated July 12, 1496.
32. Commission as Adelantado Mayor granted to Christopher Columbus by the sovereigns of Spain. Dated at Medina del Campo, July 22, 1497.
33. Letter from the sovereigns of Spain to Christopher Columbus about gold, pearls and other treasure obtained in the Indies. Dated March 30, 1497.

34. Will of Christopher Columbus conferring the right of succession upon his son, Diego. Dated Feb. 22, 1498.

35. Memorandum submitted by Christopher Columbus to the Council of the Indies concerning his arrest and imprisonment, and declaring his innocence of the charges made against him.

36. Letter from the sovereigns of Spain to Christopher Columbus containing instructions concerning his fourth voyage. Dated Valencia de la Torro, March 19, 1502.

37. Letter from Christopher Columbus to his Holiness the Pope of Rome. February, 1502.

38. Letters of Christopher Columbus to his son, Diego, dated Nov. 21, 1504; Nov. 28, 1504; Dec. 1504; Dec. 3, 1504; Dec. 13, 1504; Dec. 21, 1504; Dec. 29, 1504; Jan. 8, 1505; Feb. 25, 1505; Dec. 5, 1505. Memorial of Christopher Columbus to the sovereigns of Spain in behalf of his son Diego.

39. Letters from Christopher Columbus to the Rev. Father Don Gaspar Gorricio de las Cuevas, dated April 4, 1502; Sept. 4, 1505; July 7, 1503; Jan. 4, 1505.

40. Letter from King Ferdinand V to Diego Columbus, dated Naples, Nov. 26, 1506.

41. Commission as Adelantado Mayor of the Indies. Granted by the sovereigns of Spain to Diego Columbus. Dated Valladolid, June 16, 1515.

42. Authenticated copy of the will of Diego Hernandes, who accompanied Christopher Columbus on several voyages. Dated 1536. This will was important evidence to sustain the claims made by the family of Columbus upon the crown of Spain.

43. Commission as Admiral of the Indies. Granted to Don Luis, the grandson of Christopher Columbus. Dated May 24, 1537.

44. Letter from the King of Portugal to Christopher Columbus. Dated Avis, May 29, 1488.

45. Ordinances issued by sovereigns of Spain to Christopher Columbus and the Court of Santo Domingo for the clearance of certain materials, 1497.

All of these documents are either written by Columbus himself or signed by Ferdinand and Isabella.

The Queen Regent of Spain will be represented at the Exposition by the Infanta Eulalia and her husband, Prince Antoine. The Spanish Cabinet has sanctioned their visit as representatives of the Queen Regent Christina. The Infanta Eulalia was born February 12, 1864 and is therefore 29 years of age. She was married to Prince Antoine, son of Prince Antoine d'Orleans, Duke of Montpensier, February 28, 1886. The Infanta Eulalia is the youngest sister of King Alfonso.

ST. THOMAS.

Dr. Charles E. Taylor, Commissioner.

The exhibit made by the Island of St. Thomas is a most complete relief map of the island. It is shown in the Department of Transportation Exhibits.

SWEDEN.

Mr. Artur Leffler, Royal Commissioner; Mr. Axel Welin, Secretary; Mr. Tom Bergendal, Special Commissioner for Manufactures; Mr. Carl Dellwik, Superintendent Swedish Section Machinery Hall; Mr. Robert Lindblom, Resident Commissioner; Baron Nils Posse, Special Commissioner for Tourist Department; Mr. Victor E. Rhodin, Official Commercial Representative; Mr. Gust. Wickman, Architect; Mr. Anders L. Zorn, Special Commissioner of Fine Arts; Mr. Erik Lundquist, Assistant Private Secretary.

The Swedish Building, which is located to the northeast of the Fisheries and between the lagoon and the lake, is one of the handsomest of all the foreign buildings. The space allotted Sweden was triangular in shape, and the building was made to conform to the space in order to utilize it to the utmost. A hexagon was inscribed at the center of the space, and there the main hall was located. In the three corners are rooms of considerable size. Galleries run around the building. The main hall is sixty-five feet across, and the pitch of the cupola, which rises above it, is seventy feet, and above the cupola is the spire. The Swedish flag is unfurled from the flagstaff above the spire 150 feet from the ground. The entire area of the floor is 11,000 square feet. The building was constructed in Sweden, where it was temporarily put together. Afterward it was taken apart and brought to Chicago. It cost \$40,000. The design of the building is partly the product of the architect's personal taste and fancy, but in working out the drawings he has to a great extent allowed himself to be guided by the style of Swedish churches and gentlemen's houses of the sixteenth and seventeenth centuries. As far as possible the characteristics of old Swedish



MERCHANT TAILORS' BUILDING.



BUILDING OF SWEDEN.



architecture have been retained. The lower part of the front wall of the building forms an exhibit of its own, consisting of modern brick, terra-cotta, and cement work from the most prominent manufacturers of Sweden. The remainder of the building is entirely of wood, all the work being done by the Eskelstuna Iräförädlingsaktiebolag in Sweden. Following the old Swedish fashion, the whole of the roof and the walls are covered with shingles. The outside of the woodwork is impregnated with a preserving liquid to prevent decay. The inside of the pavilion is painted in light colors and richly decorated with bunting, coats of arms and crests. A fine exhibit of the world-famed Swedish iron ore is made. A display of the manufactured products of iron, china goods and glass products are well represented in the pavilion. There is also a display of gold and silverware and wood pulp products. A further attraction is the excellent representation of a genuine Swedish home with beautiful suites of furniture and highly artistic drapery. Exactly opposite the main entrance of the building is a large picture of the capital of Sweden, "the Venice of the North," with its famous royal castle. Wax figures stand in front of this picture dressed in the picturesque garb of the Swedes, and to one side is a panorama of Swedish landscape, while the other side is occupied by a Swedish peasant's cottage. In the outdoor sports exhibit are skates, snow shoes, sleighs, canoes and yachts. A carefully executed bust of Gustavus Adolphus II has also been placed in this room. In the galleries are gathered exhibits illustrative of the school system, which are admittedly of the first rank. Embroideries and needle work displays attract lady visitors, who will also be pleased with the Swedish women's work in the Woman's Building under the patronage of her Majesty the Queen of Sweden and Norway. The office of the Chief Swedish commissioner, Mr. Arthur Leffler, is at the north end of the Swedish Building. Exhibits from the Scandinavian peninsula will also be found in the Agricultural and Machinery Halls and in the Fine Arts Gallery.

In the Department of Mines and Mining are exhibited specimens of iron ore, rock and fossil sections polished for microscopes, granite slabs, urns, columns and pedestals, marble, feldspar, cement, limestone, pig iron, furnace slag, shot, wire, steel, bar iron, maps, models and illustrations of mines and geological sections in Sweden.

Matches, organic and mineral acids, druggists' wares and supplies, ink, samples of ruling, type-setting and hand-printing, paper, books, picture frames, parquet floors, furniture, textile fabrics, porcelain, earthenware, brick and tiles, granite monuments and ornaments, brass and bronze ornaments, lamps, glassware, wood-carving, watches and jewelry, blankets and carpets, fur garments, linens, sewing machines, skins, laces and embroideries, artificial flowers, knitted goods, dolls, fancy articles of wood and leather, arms and ammunition, stoves, wire goods, iron, tools, sledges, cutlery, saws, anvils, builders' hardware, flags, etc., are shown in the Department of Manufactures.

SWITZERLAND.

Mr. James Perrenoud, Executive Commissioner; Mr. Arnold Holinger, Commissioner.

In the Manufactures Building the display of Switzerland is one of the most attractive. This exhibit is placed at the south end and is reached through an arch over which is the Swiss cross in bright red. All around the three sides of the square are pictures of the Swiss Alps. The pictures are done in colored crayons, are realistically beautiful and can hardly be told from oil paintings. They represent scenes well known to travelers. In the foreground of man of the scenes are shown pastoral scenes of the table-lands. The pavilions contain all of that rare handiwork for which the people are famous, and in one corner is shown a family of Swiss watch-makers, where every one down to the baby is at work. The baby's share of the work is done with its rattle. The delicate little wheels are put in the rattle with emery dust, and while the baby amuses itself by pounding the toy it polishes the wheels.

TRINIDAD.

Mr. Harry Vincent, Executive Commissioner.

The Island of Trinidad makes a collective exhibit in the Department of Agriculture. It is made up of agricultural products of the island, dye-woods, etc.

In the Department of Mines and Mining Trinidad makes a fine display of asphalt. Many tropical plants, such as palms, croton, etc., are shown in Horticultural Hall, and sugar, molasses, rum and cocoa are displayed in the Department of Agriculture. Cocoa is dispensed in cups at a mere nominal price to cover the cost of handling.

TURKEY.

Ibrahim Hakky Bey, Imperial Commissioner General; Ahmed Fahri Bey, Imperial Commissioner; Mr. Hohannes J. Pushman, Secretary; Mr. Z. J. Sweeney, Honorary Commissioner, Mr. F. D. Thompson, Honorary Commissioner; Capt. Mehmed Tefvik, Attache to Commission; Capt. Ahmed Sabit, Attache to Commission.

Turkey's principal exhibit is made in the Turkish building, which adjoins that of Brazil on the east and lies between the Fine Arts and Fisheries buildings. In this structure a miniature exhibit is made of the resources of the Ottoman Empire, consisting of twelve sections, in which are shown textile fabrics, gold, silver and other minerals, munitions of war, electrical appliances, antiquities, all the natural agricultural products, silks, dye-stuffs, and, in brief, small samples of nearly every industry of the country. Exhibits are also made in the Department of Manufactures, consisting principally of oriental rugs and filigree jewelry; in the Department of Transportation Exhibits, in which caiques, sedan chairs, bullock carts, etc., are shown, and in the Woman's Department, where embroideries made by the women of Turkey, are an interesting feature.

The Turkish Building is in the Moresque style and is in imitation of the Hunkhar Casque (or fountain) of Sultan Ahmed III, which is opposite the Babi Humayon in Constantinople, and which corresponds with the capitol at Washington, the seat of government. The structure is eighty by one hundred feet in dimensions and is surmounted in the center by a dome. There are also smaller domes at each of the four corners. The exterior is covered in Damascian carved wood, made specially in Damascus and brought here for the purpose. The interior is a large exhibition hall, decorated with tapestries. There are small exhibition rooms in each of the four corners, and the office of the commissioner is in a separate building to the rear of the main building.

URUGUAY.

Senor Don Prudencio de Murguiondo, President; Don L. Rodriguez Diez, Special Commissioner; Don Alberto Gomez Ruano, Commissioner; Dr. Don Eduardo Chucarro, Commissioner; Don Ricardo Hughes, Commissioner.

The government of Uruguay appropriated \$24,000 for Exposition purposes, which, considering its financial condition, was remarkably liberal. A fine exhibit of wines, agricultural products, and articles of manufacture was gathered together. Space was secured in the Agricultural Building and a fine exhibit of the products of that country is made.

VENEZUELA.

Dr. Francisco E. Bustamante, E. E. and M. P., President *ad honorem*; Dr. David Lobo, Secretary of Legation; Dr. Manuel Vicénte Toledo, Commissioner; Mr. J. M. Larralde, Commissioner; Mr. Jacinto Lopez, Commissioner; Dr. H. Rivero Saldivia, Consul General, Counselor; Mr. J. A. Sanchez, Commissioner *ad honorem*; Mr. A. S. Baker, Commissioner *ad honorem*; Mr. Manuel Cadenas, Commissioner *ad honorem*; Dr. A. Ernst, In charge of relics, etc., Foreign Affairs Department.

The building of the Republic of Venezuela occupies a space of 284 square meters, and is divided in three parts. The central part is square, 36x36 feet and the two wings on each side are 21x30 feet, which makes an entire frontage of 78 feet. It is crowned by a dome in iron and glass, 30 feet in diameter and 12 feet high which makes the building 45 feet high. The two side parts are also crowned by a dome with four sides. On the left tower a statue in bronze of Columbus has

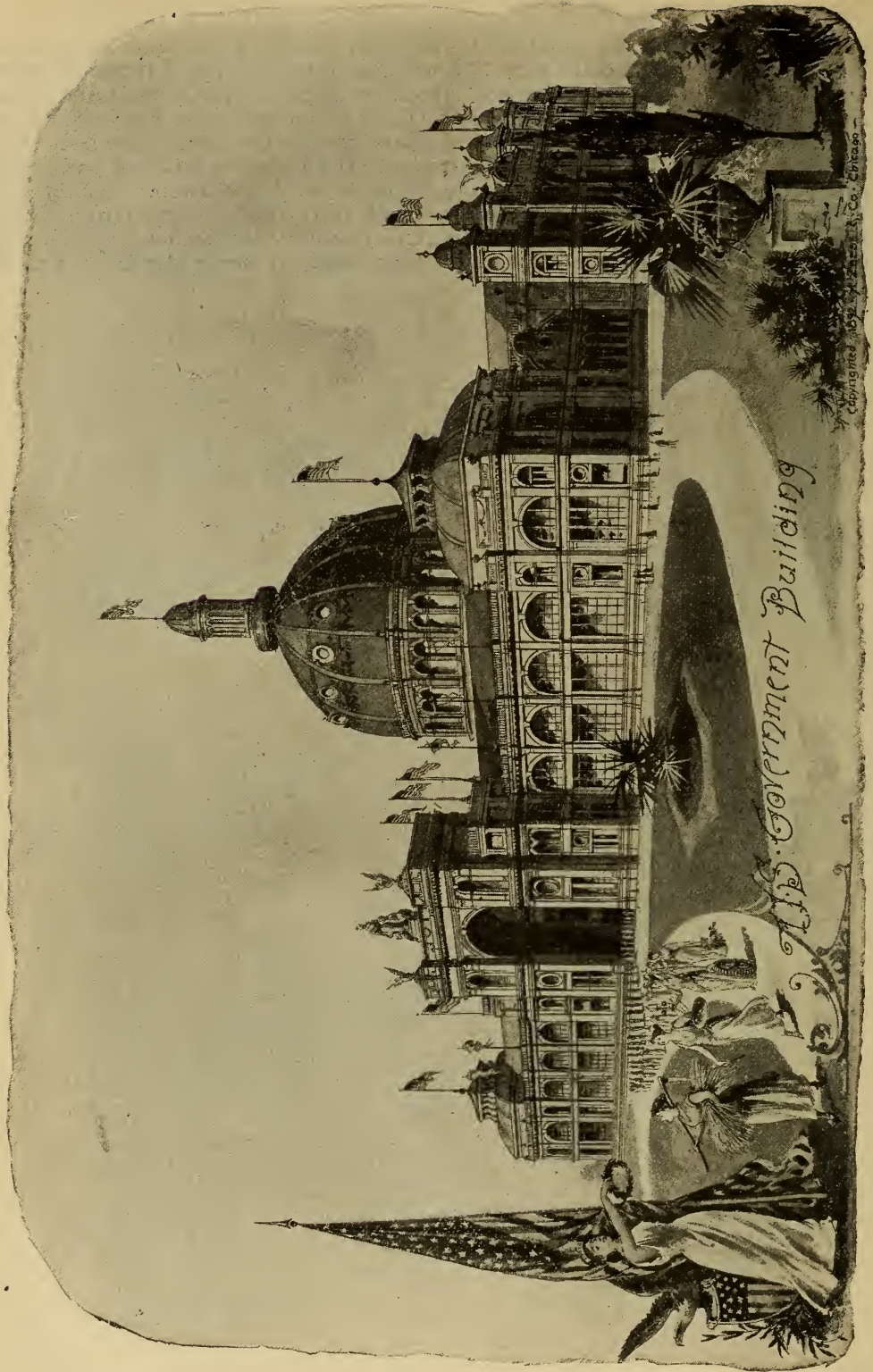


BUILDING OF TURKEY.



BUILDING OF VENEZUELA.

been placed, and on the right, one of Bolivar. Both these statues are nine feet high, and weigh 2,000 pounds each. The interior of the building is richly decorated with drapings and vellum, and contains show cases, reception and toilet rooms, etc. The architecture is in the style of a Græco-Roman temple, finished in imitation marble. There are six entrances, three in the front and three in the rear. The principal side faces the main entrances to the Fisheries Building, surrounded by a pretty garden with tropical plants imported for the occasion. Exhibits from Venezuela may be seen in the departments of Agriculture, Horticulture, Mines, Manufactures, Liberal Arts, and Fine Arts, consisting of leather exhibits, relics of scientific treatises of medicines, and mementoes of home glories, such as the sword of Bolivar, flag of Pizarro, etc.



U.S. Government Building

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UNITED STATES GOVERNMENT EXHIBIT.

Board of Management and Control of the United States Government Exhibit: Mr. Edwin Willits, Chairman; W. E. Curtis, Department of State; Allured B. Nettleton, Treasury Department; Major Clifton Comly, U. S. A., War Department, Captain R. W. Meade, U. S. N., Navy Department; A. D. Hazen, Post Office Department; Horace A. Taylor, Department of the Interior; Elijah C. Foster, Department of Justice; Edwin Willits, Department of Agriculture; Professor G. Brown Goode, Smithsonian Institution and the National Museum; Tanleton H. Bean, United States Fish Commission.

In accordance with the Act of Congress, approved April 25, 1890, the Executive Departments of the United States Government make an interesting and creditable display, under the auspices of a Board of Management and Control, composed of governmental officials appointed from the several departments. A magnificent building has been erected for these collective exhibits. It is located near the lake, south of the main lagoon and of the area reserved for the foreign nations and the several States, and east of the Woman's Building and of Midway Plaisance. It is classic in style, and bears a strong resemblance to the National Museum and other government buildings at Washington. It covers an area of 350x420 feet, is constructed of iron, brick and glass, and cost \$450,000. Its leading architectural feature is a central octagonal dome 120 feet in diameter and 150 feet high. The building fronts to the west, and connects on the north by a bridge over the lagoon, with the building of the Fisheries exhibit.

The south half of the Government Building is devoted to the exhibits of the Postoffice department, Treasury department, War department, and Department of Agriculture. The north half is devoted to the exhibits of the Fisheries Commission, Smithsonian Institution, and Interior department. The State department exhibit extends from the rotunda to the east end, and that of the Department of Justice from the rotunda to the west end of the building. The allotment of space for the several department exhibits is; War Department, 23,000 square feet; Treasury, 10,500 square feet; Agriculture, 23,250 square feet; Interior, 24,000 square feet; Postoffice, 9,000 square feet; Fishery, 20,000 square feet, and Smithsonian Institution, balance of space. The departmental exhibits are as follows:

Treasury Department.—This department contributes elaborate exhibits, illustrative of the functions of:

- The Coast and Geodetic Survey.
- The Office of Weights and Measures.
- The Bureau of Internal Revenue.
- The Bureau of Engraving and Printing.
- The Bureau of Statistics.
- The Light-House Board.
- The Life Saving Service.
- The Mint.
- The Marine Hospital Service.
- The Office of the Register of the Treasury.
- The Supervising Architects' Office.

Of the so-called scientific bureaus now maintained by the government, the coast-survey is the oldest. Organized as it was in the early part of the present century, its growth has been in a measure parallel with that of the country, and aside from the actual value of the results of its operations from a practical standpoint, it is admitted by all to have exercised a powerful influence in virtue of its experience, and the high character of its performances, upon the wonderful scientific development which has taken place in the New World.

The office of Weights and Measures exhibits sets of the customary and metric weights and measures; balances of precision; copies of the international prototypes of the meter and kilogram; comparators; 100-foot bench standard.

The Bureau of Internal Revenue exhibits historical and current collections of all stamps and brands used in the service; gauging instruments and hydrometers; instruments used in test-

ing for oleomargarine; a chemical laboratory to illustrate methods of testing for foreign fats used in oleomargarine and lard compounds; polariscopes, balances, and other instruments used in determining sugar bounties; set of Dutch standards.

The Bureau of Engraving and Printing exhibits specimens of engraved portraits and vignettes; of all bonds and other securities issued by the United States; of all notes and certificates, from the blank sheet to the finished product; illustrations of the improvement in bank note engraving from the earliest effort to date.

The Bureau of Statistics has prepared charts illustrative of the national progress in population, wealth and material products.

The Mint displays presses in operation striking off medals of white metal or copper bronze, and a collection of coins and medals.

The Marine Hospital Service displays a model hospital ward with all its appliances; dispensary outfit; model operating rooms; illustrations of modern methods of hospital construction, lighting, heating and ventilation; model and photographs of quarantine stations; illustrations of typical quarantine plant, consisting of wharf for discharge of ballast, fumigation wharf, disinfecting chambers and sulphur furnace, detention barracks, lazaretto, hospital for noncontagious diseases, boatmen's and attendants' quarters and surgeon's residence; steam disinfecting car used in interstate quarantine, apparatus used in house-to-house disinfection; model of camp probation; set of sanitary reports received from councils in all parts of the world; reports showing the relations of the bureau to all the States of the Union; sanitary publications of the bureau and of the different States; illustrations of the laboratory work of the bureau in its efforts to discover the origin of and remedies for disease; microscopes and slides showing all known disease germs; illustration of methods of test for color-blindness and of recruits for the Revenue Marine Service as well as the work of the bureau in connection with the Immigration Bureau.

The Register of the Treasury displays all classes of certificates, bonds, notes, fractional currency, coupons and other evidences of indebtedness covering a period from the year of the Declaration of Independence to the last bond or note issued by the United States Treasury; all of which, except the notes and the fractional currency, are found in the files of the Register's Office, canceled, but in fair condition; Confederate bonds, notes, and fractional currency also from the files of the Treasury Department; Continental and Colonial currency; charts showing public debt and interest from the foundation of the United States Government to the present time; public debt warrants and drafts, two in number, aggregating over \$281,000,000 (the largest ever issued); civil appropriation warrants with autographs of all the Secretaries of the Treasury from Hamilton to Carlisle, inclusive; pay warrants and drafts, issued on account of salary, with autographs of the President of the United States from 1822 to the present time (all prior to 1822 having been destroyed by fire in 1833) and a variety of autographic papers of historical characters.

The Supervising Architects' office makes an elaborate display of drawings and photographs of public buildings, planned and constructed under its supervision.

War Department.—This department displays:

From its Bureau of Engineers, the published maps and reports of the bureau; models of the bridge equipage, accompanied by a full size section of the bridge; torpedo cases, connections, batteries, etc. (such as are not considered secret); models of forts and of river and harbor improvements; photographic enlargements of light-houses, forts, and river and harbor improvements.

From its Ordnance Department, machines, in operation, for the manufacture of metallic ammunition; machines in operation showing improved features connected with the fabrication of the Springfield rifle; a historical collection of small arms, with an illustration of the present modes of fabrication; samples of service projectiles, showing method of construction of equipments and accoutrements for the various arms of the service; field guns; siege guns; mortars; howitzers, with carriage complete; an 8-inch, a 10-inch and a 12-inch seacoast steel rifle, and a 12-inch seacoast steel mortar, mounted upon depressing carriages; all kinds of rapid fire and machine guns used in the army; machines for determining ballistic properties of guns and powders; illustration of the method of taking ranges, etc.; illustrations of the devices which have been employed in the forts to fire high explosives from guns; one pneumatic dynamite gun; testing machines to determine the properties of metals; illustrations of the different phases in the construction of a built-up gun.

From the Quartermaster's Department, lay figures, mounted and dismounted, in the uniform of all grades of the service, the same illustrating the clothing and equipment issued from the Quartermaster's Department; complete sets of national colors, standards and guidons; specimens of all kinds of standard supplies issued by the department; illustration of the means of transportation; model of national cemetery, a military post, and of a quartermaster's depot.

From the Medical Service, a complete set of hospital and medical supplies, with such other articles as are furnished for scouting expeditions; surgical instruments and apparatus; record books used in the Medical Department of the United States and other armies; illustration of the means of transport of the sick and wounded; models, photographs and plans of military hospitals; apparatus for physical and anthropometrical measurements; illustrations of the microscopical work which is being done in the Army Medical Museum; a special exhibit of anatomical preparations, normal and pathological; a selected series of crania and of craniometrical instruments; photographs of specimens of pathological anatomy; a set of publications of the Surgeon-General's Office.

From the Signal Corps, a historical exhibit illustrating the more important achievements of the corps, and indicating lines of progress followed and advances made. The semi-permanent

flying telegraphic lines, with the methods of operation; the field telephone kit; a signal station with its equipment in operation; a captive balloon train; an artistic centerpiece illustrative of the fact that our flag has been carried further north than that of any other country.

Smithsonian Institution and National Museum.—This institution contributes:

From the Smithsonian Institution, illustrations of its growth, aims, and the scope of its work during the forty-seven years of its existence; illustrations of the history of American science and exploration; of the activities of the numerous scientific institutions and societies of this country; of the explorations by our own and foreign governments, and of individuals; portraits of representative scientists associated with American scientific development.

From the National Museum, objects illustrative of the natural resources of this country and their utilization, so far as the subject is not covered by other branches of the government or by individual exhibitors; groups of larger quadrupeds now becoming extinct; groups of mammals of the United States, illustrating peculiar habits and environment; group illustrative of the life and history of the fur seal; each species and subspecies of bird found in this country, illustrative of geographical variation, the confusion of popular names, the peculiar habits; casts of reptiles and batrachians; dislocated skeletons and parts showing families and sub-families of vertebrates; models and specimens of unfamiliar lower forms; of animal life; fossil animals for comparison with later forms; methods and implements of the chase primitive and modern; illustrations of the assistance rendered to man by various animals; useful products of the animal kingdom and methods of preparation; models illustrative of the phenomena of volcanoes, earthquakes and glaciers, and of the constructive and destructive effects of water; a collection of ornamental minerals with a complete series of crude and polished gems; an anthropological display, showing racial characteristics, and progress in the arts of civilization; illustrations of pre-historic races, with implements of stone, bronze and iron, showing early stages of industrial development; illustration of distribution of primitive races; the whole illustrative of modern museum methods of work.

From the Bureau of Ethnology, illustrations of the life and habits of North American Indians, differentiating the principal linguistic stocks, showing marked characteristics; photographs and transparencies showing actual surroundings, supplemented by collections of their manufactured wares.

In general the museum makes displays of certain selected arts illustrative of development and of museum methods of treatment, such as transportation, the construction of dwellings, the utilization of wind, river currents, steam and electricity.

Department of Justice.—This department's exhibit consists largely of such historical documents and articles of interest as are culled from the files, records, and possessions of the courts of the United States. Justice, as a governmental function, does not readily materialize in "articles" adapted to Exposition purposes, yet the governmental display would be incomplete without an "appearance" at least from this among the displays of the other executive departments. The exhibits, though comparatively small in number and occupying a relatively small space, are of great interest to lawyers, and under the head of installation are displayed portraits of the eminent jurists who have filled the chair of attorney-general.

Naval Exhibit. This exhibit is made outside the United States Government Building. A structure, which, to all outward appearance is a full-sized modern battle-ship, has been erected on piling on the lake front in the northeast portion of the grounds. It is surrounded by water and has the appearance of being moored to a wharf. The structure has all the fittings that belong to the actual ship, such as guns, turrets, torpedo tubes, torpedo nets and booms, with boats, anchors, chain cables, davits, awnings, deck fittings, etc., together with all appliances for working the same. Officers, seamen, mechanics and marines are detailed by the Navy Department during the Exposition, and the discipline and mode of life on our naval vessels are completely shown. The detail of men is not, however, as great as the complement of the actual ship. The crew gives certain drills, especially boat, torpedo, and gun drills, as in a vessel of war.

The dimensions of the structure are those of the actual battleship, to-wit: length, 348 feet; width amidships, 69 feet 3 inches; and from the water line to the top of the main deck, 12 feet. Centrally placed on this deck is a superstructure 8 feet high with a hammock berthing on the same 7 feet high, and above these are the bridge, chart-house, and the boats.

At the forward end of the superstructure there is a cone-shaped tower, called the "military mast," near the top of which are placed two circular "tops" as receptacles for sharpshooters. Rapid-firing guns are mounted in each of these tops. The height from the water line to the summit of this military mast is 76 feet, and above is placed a flagstaff for signaling.

The battery mounted comprises four 13-inch breech-loading rifle cannon; eight 8-inch breech-loading rifle cannon; four 6-inch breech-loading rifle cannon; twenty 6-pound rapid-firing guns; six 1-pound rapid-firing guns; two Gatling guns, and six torpedo tubes or torpedo guns. All of these are placed and mounted respectively as in the genuine battleship.

On the starboard side of the ship is shown the torpedo protection net, stretching the entire length of the vessel. Steam launches and cutters ride at the booms, and all the outward appearance of a real ship of war is imitated.

The superstructure shows the cabins, staterooms, lavatories, lactrines, messrooms, galley, and fittings, mess-table for crew, lockers, berthings, etc.; also the manner in which officers and enlisted men live, according to the rules of the Navy. On the superstructure deck and bridge is shown the manner in which the rapid-firing guns, search lights, beats, etc., are handled. The

entrance to the conning tower is from the deck, in which are all appurtenances that the captain has at his disposal when taking the ship into battle and during the progress of a fight at sea.

An electric light plant is installed and provision made for heating with steam. On the berth deck are shown the various fittings pertaining to the hull, machinery and ordnance; ordnance implements, including electrical devices, gun-carriage motors and range finders; models showing typical ships of the past and present; samples of the provisions, clothing, stores and supplies, bunting, flags, etc.; in short, the thousand and one things that go to make up the outfit of a man-of-war.

The traditional costumes of the sailors of the Navy from 1775 to 1848 are shown by men dressed in those costumes.

Postoffice Department.—As in all previous Expositions in which it has taken part, the Postoffice Department has established in its space a working postoffice, so arranged that it will at the same time serve all the purposes of a postoffice for the Exposition, and afford an opportunity to visitors to study the interior workings of a model city postoffice. In addition to this a display is made of all articles of postal equipment, postage stamps, stamped envelopes, etc., to which is added a collection of curious articles of mail matter which have accumulated in the Dead Letter Office. A new feature of the display are articles which have been sent during the past three years, in compliance with an invitation from the postmaster-general, by postmasters, and others, consisting of relics, curiosities, etc., pertaining to the postal service. Another feature of the departmental exhibits are articles contributed or loaned by foreign postal administrations, illustrating the postal service in the respective countries from which they are received.

From the postoffice twenty-five carriers deliver letters, and there is a force of twenty-five clerks to handle the business. This does not include the railway postoffice clerks who throw letters and papers in the mail car that stands just north of the postoffice. One hundred and fifty letter boxes have been placed around the grounds and in the Plaisance, each State and government building having a box. The postoffice is a branch of the Chicago postoffice. It shows the workings of a postoffice of the first-class, including the operations of the inquiry, stamp, money order, registry, general and carriers' delivery departments. The mailing division, where outgoing mail is handled, occupies the north half of the space, and the city division for incoming mail the south part. In the gallery are the offices for Gen. Hazen, third assistant postmaster-general, and Superintendent Hastings. The outgoing mail collected by the carriers is brought through doors on the west side of the office and dumped onto the pickup table in the north end of the mailing division. Six stamping machines grouped around cancel the stamps, and the letters are put through a rough separation by States in a case that stands south of the pickup table. Six clerks working before three double distributing cases south of the State case make up the mails for routes and pouch it for the railway mail cars. The opening table on which the incoming mail is back-stamped stands beneath the gallery. Carriers take it from this table to the tenant double cases where the mail is made up into routes for delivery through the different buildings. The furniture is so arranged that spectators looking through the glass screen can easily see every phase of postoffice work. The screen is a handsome piece of cabinet work. It is made of quartered oak paneled in deep squares. The grill work is of bronze, and the glass is of fine beveled plate. A series of etched designs on the glass depicts the evolution of the mail service. An old-fashioned six-horse mail coach and a post boy represent the early days of the service. Well-executed pictures of an ocean greyhound, a modern railway mail car, a sound steamer, a mail wagon and a mail carrier with his pouch bulging with letters portray the mail-handling facilities of to-day. The railway mail car "Benjamin Harrison" stands just north of the postoffice on a platform in the mailing division. The east side of the car contains plate glass permitting the interior to be seen. It is manned with a full crew of railway mail clerks, who show how letters and papers are handled at the rate of sixty miles an hour. It is a beautiful specimen of car-building, seventy feet long and equipped with the very latest appliances.

The Postoffice Department is one of the most popular branches of the government. It extends its operations through the length and breadth of the land, and ministers to the business and social concerns of every citizen. The number of postoffices now in operation is more than 68,000; the length of the post routes is about 452,000 miles, and nearly 375,000,000 miles of mail service are now performed annually. The space occupied by the Postoffice Department comprises an area of 15,082 square feet, of which 12,223 feet are on the ground floor, and 2,860 feet in the gallery just overhead.

Among the other exhibits of this department are:

Model of a postal car on scale of ten feet, completely furnished.

Model, twelve feet in length, of United States ocean mail steamship "Paris."

Model, seven feet in length, of ocean mail steamship "Columbia," representing the first mail steamship built in the United States.

Model, three feet in length, of mail steamboat in use in carrying the mail on the Oklawaha river, Florida.

Full size Concord mail coach, new.

Old Concord coach in early and present use in carrying the mails in Montana. This coach was once captured by Indians and regained by General Howard. Among its passengers have been two presidents of the United States, a secretary of war, and General William T. Sherman, on tours of inspection.

Wagons for delivery and collection of mail matter in cities.

Uniformed model of postrider mounted on horseback.

Snow-sledge (drawn by three dogs), carrying United States mail, with model of Indian runner on snow-shoes. The dogs, whose skins are used in this display, were recently in actual service.

Model of special delivery messenger in uniform, mounted on bicycle in motion.

Uniformed model of letter-carrier.

Uniformed model of railway mail clerk.

Framed collection of United States mail bags in present and former use.

Framed collection of United States mail locks and keys in former and present use.

Twenty-six mounted post-route maps, showing extent and character of mail transportation, frequency of trips, etc., throughout the United States and Territories.

Map of the world showing lines of ocean mail service between the United States and foreign countries.

Street letter boxes for the deposit and collection of mail matter.

Canceling machines in use in large postoffices for post-marking mail matter and canceling stamps in same. In motion by means of electricity.

Framed collection of post-marking and canceling stamps in general use in postoffices.

Colored models illustrating the growth of the various branches of the postal service of the United States.

Statistical charts showing the growth and development of the various branches of the postal service.

Statistical chart showing magnitude of the postal service of the United States as compared to that of leading foreign countries.

Framed sample of supplies in use in the postal service of the United States.

Six large cases of articles taken from the museum of the Dead Letter Office at Washington. This collection comprises about one thousand articles of unique and curious character, found in the mails and undeliverable to the senders or addresses. The Dead Letter Office exhibits have always been a source of great interest to visitors to the National capital.

Framed collection of all the adhesive postage stamps issued by the Postoffice Department since 1847 when the stamps were first introduced in the United States. The display is enclosed in a handsome and elaborate frame eleven feet in length by nine feet in height. The stamps are beautifully and artistically arranged, presenting a fine display of engraving and coloring—sufficient numbers of each kind and denomination having been used to produce the best effects.

Collection in five frames of the stamped envelopes issued by the department since 1853, the date of first issue.

Framed collection of specimens of all the postal cards of the United States issued from 1874 (date of first issue) to 1893.

Framed collection of portraits of postmasters-general and assistant postmasters-general of former times.

Framed collection of veterans of the postal service. This collection embraces nearly eighty persons now engaged in various positions throughout the country, and whose terms of service range from thirty-five to sixty-five years.

Large collection of framed photographs of postoffices in the United States.

Framed collection of pictures of natural scenery on the railway mail lines of the United States.

A special feature is an exhibit made under the direction of the Postoffice Department by the American Philatelic Association of specimens of the postage stamps, stamped envelopes and postal cards of all nations. The collection is an unusually complete one, and embraces some 50,000 stamps representing the most rare and costly articles of the kind known to the stamp-collecting fraternity. The stamps are tastefully mounted on sheets and inclosed within handsome showcases specially provided for the purpose. The display is located in the gallery overlooking the general postal exhibits, and it occupies about 1,600 square feet of floor space.

The postal exhibits of this country are supplemented by a display of somewhat corresponding articles contributed for the purpose by a large number of foreign postal administrations in response to an invitation extended by the Postoffice Department of the United States to participate in the display. Among the principal countries contributing more or less full lines of articles of postal nature are Great Britain, and dependencies (embracing Canada, India, New Zealand, Newfoundland, South Australia, Straits Settlements, Tasmania, Victoria, Bahamas, British Honduras, Windward Islands, Western Africa, Fiji Islands, Cape Colony, British Guinea, and British West Indies); Germany, France, Austria, Denmark, Belgium, Sweden, Portugal, Mexico, Switzerland, Japan, Egypt, Java, Tunis, Nicaragua, San Salvador, Hawaii and Liberia. In addition to the foregoing, many countries have sent merely collections of their postage stamps, stamped envelopes and postal cards. The foreign display is grouped separately from that of the United States.

Aside from the attraction which the display of postal articles of foreign countries may prove to visitors, it will afford the opportunity for examining and contrasting the methods employed by different postal administrations, and thereby serve to confirm the value of existing conditions, or to suggest improvements that will greatly benefit not only this country but the world at large.

On the whole, the display of the Postoffice Department is an exceedingly interesting one, and represents by far the most extensive and valuable collection of postal articles ever gathered together.

Department of Agriculture. The general work of preparing a suitable exhibit illustrative of the functions of this department was under the charge of the assistant secretary. The extent and variety of the contributions of this department are as follows:

From the Museum: Specially prepared displays of selected cereals, tobacco, and animal and vegetable fibres, illustrating distribution, the effects of transplantation, of changes of soil, climate, and altitude, and illustrative as well of departmental methods of study and treatment.

From the Bureau of Animal Industry: Illustrations of the parasites of animals; of the work of quarantine stations; of the processes of meat inspection; of transportation of live animals and meat; tagging; the handling of live stock; horseshoeing, and the diseases incident to defective shoeing; the work of the department in connection with animal diseases, and disease germs from the bacteriological laboratory.

From the Weather Bureau: A complete set of meteorological instruments in operation. The entire work of forecasting, from the receipt of telegrams to the publication and distribution of weather maps, will be carried on upon the grounds, in the presence of any one who may care to study the methods of the bureau, and the various processes will be explained, with a view to the popularization of meteorological knowledge.

From the Division of Entomology: Collections and models of insects injurious and beneficial to agriculture, enlarged illustrations of their operations, and implements and materials of suppression and culture.

From the Division of Ornithology and Mammalogy: A large model of the Death Valley region, where altitudes varying from several hundred feet below to 15,000 feet above sea level are in such close proximity as to disclose at a glance all the life zones of the country, animal specimens and groups characteristic of these life zones; birds and mammals beneficial or harmful to the farmer.

From the Botanical and Horticultural Divisions: Collections, growing and preserved, of medicinal, forage, and other economic plants, with cases illustrating herbarium methods of work and treatment.

From the Division of Forestry: A classified collection of sections of forest trees of the United States, with demonstrations of their economic uses; apparatus for testing the strength and other qualities of timber; illustrations of methods shown by experience to be best adapted to forest culture; metal railway ties advocated as a substitute for timber, and whose adoption would serve powerfully to protect our remaining forests from destruction.

From the Division of Chemistry: A complete agricultural laboratory, in which demonstrations of food adulteration, the saccharine value of sugar plants, and analyses of soils will be carried on; samples of adulterated foods which have been tested by the department.

From the Division of Statistics: Charts and maps illustrating the values of agricultural products, the range of prices, and the distribution of staple products; blanks and materials illustrative of the statistical methods of the department.

From the Division of Microscopy: A collection of models of fungi, edible and poisonous; models of fungi which attack forest and other trees; articles, instruments, methods, and results of investigations of adulterations of butter and other commercial fat.

From the Division of Vegetable Pathology: Models and drawings illustrative of fungous diseases of fruits and fruit trees; remedial agents, implements, and methods of protection, cure and eradication.

From the Division of Pomology: Models of American fruits, illustrating differentiation due to transplantation; classified exhibit of edible nuts; illustrations of methods of planting and cultivating small fruits.

From the Office of Experiment Stations: Illustrations of its methods of editorial work, and of summarizing the reports of stations.

From the Division of Records and Editing: A complete set of the publications of the department arranged for consultation, and a "bureau of information."

From the Division of Illustrations: The original plates and figures used in the reports and bulletins of the department, illustrating the care and skill demanded in the preparation of these publications.

Department of State.—To illustrate the functions of the Department of State effectively it is considered in two aspects: First, it is the medium through which our governmental affairs with foreign powers are conducted, and is also entrusted with various domestic affairs. Second, it is the repository of the historical archives of the nation, and may be considered the bureau of American history.

Taking up the first of these divisions, the workings of each bureau of the department are shown by means of blanks, sample letters, circulars, etc. The first of these displays shows how the Diplomatic Bureau, through which the correspondence with our embassies or legations, and the embassies or legations of foreign powers in the United States, transacts its business.

The second display shows how the Consular Bureau, the medium of correspondence between the home government and the consular corps of the United States, is conducted.

The third display shows the workings of the Bureau of Statistics, which edits and issues the reports from our consuls abroad, relating to the trade of their respective districts, and the avenues open for the introduction of American merchandise or raw products.

The fourth display illustrates the workings of the Bureau of Accounts, the intermediary through which the financial affairs of the department are conducted and the agency through which the law books of the United States are sold.

The fifth display illustrates how the correspondence of the department is indexed and how the records and archives are preserved, these being the functions of the Bureau of Indexes and Archives.

The sixth display relates to the Bureau of Rolls and Library, in which are deposited the historical records, where the laws of the United States are prepared for the printer, and where the original laws are finally deposited, and where the books and periodicals constituting the department library are kept. This bureau also distributes the department publications except consular reports.

The seventh display illustrates the workings of the Bureau of Commissions and Pardons, where the commissions of the executive officers of the government who constitute the President's cabinet are made out, and where Presidential pardons to criminals convicted before the courts of the United States are written and recorded. In this bureau the seal of the United States is deposited and the method of affixing it to public instruments is illustrated.

The eighth display is of the Passport Bureau, and shows how passports are issued to Americans travelling abroad. The seal of the Department of State is in this bureau and an impression of it is shown here.

The ninth display shows the workings of the mail division and how communications to embassies, legations and consulates are sent.

These exhibits are followed by a shelf of books, containing sample volumes of every class of publication issued by the Department of State both in the past and at the present day.

The second division of the Department of State treats of the history of the United States and illustrates the part which the department has played in it, and what papers are deposited there relating to the time before the department was in existence.

Beginning with the Declaration of Independence, the original of which is in the custody of the secretary of state, an exact photographic reproduction is shown. Underneath it is the draft of the instrument in Jefferson's penmanship, and to accompany it are relics of Jefferson, and his portrait after the original by Wilson Peale. Surrounding the declaration are pictures of the following men who signed it: John Adams, Richard Henry Lee, Thomas Jefferson, William Floyd, James Hewes, Elbridge Gerry, Samuel Chase, Samuel Huntington, Samuel Adams, Thomas McKean, Charles Carroll (of Carrollton), Thomas Heyward, Jr., Francis Hopkinson, William Paca, Robert Treat Paine, George Ross, Benjamin Rush, George Read, Edward Rutledge, James Wilson, Roger Sherman, Thomas Stone, Philip Livingston, Francis Lewis, Arthur Middleton, Thomas Lynch, Jr., Josiah Bartlett, George Clymer, Lyman Hall, George Wythe, Oliver Wolcott, Lewis Morris, John Hancock, Robert Morris, Benjamin Franklin and John Witherspoon.

Autograph letters of all the "signers," also, are shown, and a printed copy of the declaration, as it was issued July 5, 1776, besides a copy of it as it appeared in the Connecticut *Gazette* a short time afterward.

In a case below the Declaration of Independence is a photographic copy of the constitution of the United States. This is illustrated by an oil portrait of James Madison, the "father of the constitution," by his writings and by writings of John Jay and Alexander Hamilton, who together with Madison wrote the "Federalist." Pictures of the following members of the convention which framed the constitution are also shown: James McClurg, George Wythe, Luther Martin, John Francis Mercer, Oliver Ellsworth, Rufus King, John Blair, John Langdon, George Mason, Edmund Randolph, John Dickinson, Daniel Carroll, Alexander Martin, William Few, Alexander Hamilton, Gouverneur Morris, William Patterson, William Livingston, Nicholas Gilman, Nathaniel Gorham, William Samuel Johnson, Pierce Butler, Jonathan Dayton, George Read, George Clymer, James Wilson, John Rutledge, Richard Dobbs Spaight, Hugh Williamson, William Blount, Charles Cotesworth Pinckney, Charles Pinckney, Jared Ingersoll, William R. Davie, John Lansing, Benjamin Franklin, Robert Morris, Thomas Mifflin, Abraham Baldwin, William Jackson, Gunning Bedford, Richard Bassett, Daniel St. Thomas Jenifer, James McHenry, Elbridge Gerry, James Madison and Roger Sherman.

The early history of our government is further elucidated by letters of Benjamin Franklin and Franklin relics, by a portrait of George Washington, his writings and various Washington relics. Here, also, is exhibited a bronze equestrian statuette of Washington, by Baron Machetti, from the original study and model by his master, M. Houdon, of Paris, in 1785-90, for an equestrian statue, which, according to Thomas Jefferson, then minister to France, was sent to America by Houdon with the expectation of receiving an order from the Congress of the United States to have it cast in bronze. The model was destroyed by fire in Washington, leaving this statuette as the only survival. Relics and portraits of several of Washington's generals are shown, notably the sword voted by Congress to his aide-de-camp, Colonel Tench Tilghman, as the messenger who bore to Philadelphia the announcement of the surrender of Lord Cornwallis at Yorktown, and the sash of General Lafayette which was used to bind the wound he received at the battle of Brandywine, September 11, 1777.

The Revolutionary period is also illustrated by the original treaty of friendship and alliance with France, signed February 6, 1778, by pictures of Louis, the French king, of Count de Vergennes, his minister, through whom the negotiations were conducted, and by letters of Silas Deane, Arthur Lee, Ralph Izard and a few others, our early ministers abroad. There are also numerous letters of Louis.

To mark the close of the Revolution the treaty of peace with Great Britain is shown and a photograph of the painting of the signing.

After the formation of the government under the constitution, the expansion of the terri-

tory of the United States under various treaty provisions is shown by seven different maps, and five maps demonstrate the growth of our consular and diplomatic representation abroad.

The treaty purchasing the Louisiana territory from the government of Napoleon Bonaparte is illustrated by a portrait of Barbé Marbois, the negotiator on the part of the French government and by writings of Robert R. Livingston and James Monroe, the plenipotentiaries on the part of the United States. An oil portrait of Monroe is shown.

The treaty of peace with Great Britain which terminated the War of 1812 is illustrated by oil portraits of Henry Clay and John Quincy Adams, as well as by their writings and the writings of James A. Bayard, Jonathan Russell and Albert Gallatin, the other American plenipotentiaries. Other treaties of importance are shown, notably those from powers of the far East.

As proclamations are issued through the Department of State several original ones are displayed. There is an early Thanksgiving Proclamation of George Washington, the Nullification Proclamation of Andrew Jackson, accompanied by several Jackson relics, a portrait of John C. Calhoun and writings of Edward Livingston, Secretary of State when the proclamation was issued.

The Emancipation Proclamation of Abraham Lincoln accompanies his life-sized portrait, which is set off by a silk woven flag presented to the United States January 17, 1866, by the weavers of Lyons, as a durable expression of their sympathy at Lincoln's death.

A large number of letters of a ceremonial character from foreign sovereigns and presidents to the President of the United States are displayed. They include letters of historical interest and one from each head of government at the present day.

The history of the development of the present device for the American seal and coat of arms is shown by illustrations taken from the original designs, and a large emblazoned reproduction of the arms.

The International American Conference, held under the auspices of the Department of State in 1889, is called attention to by portraits of the delegates; and copies of the various reciprocity treaties that have been entered into are displayed.

EXECUTIVE MANSION.—The first case in the Department of State compartment is devoted to a simple showing of the workings of the office of the President of the United States. These are illustrated by a few blank forms, by the President's seal, and by the engraved cards used in official entertaining.

BUREAU OF THE AMERICAN REPUBLICS.—In the east gallery of the Government Building, which is reached by double stairways on either side of the eastern entrance fronting the lake, is the exhibit of the Bureau of the American Republics at Washington, made under the auspices of the Department of State.

The Bureau of the American Republics is an institution maintained at Washington by the nineteen independent nations of the American continents, "For the Prompt Dissemination of Commercial Information." It was established upon the recommendation of the recent International American Conference for the purpose of making known to the world, and particularly to the people of the United States, the resources, industries, progress and commercial advantages of the Republics of Mexico and Central and South America. Its headquarters are at No. 2 Lafayette Square, Washington, D. C., and its Director is William E. Curtis. The Bureau publishes an annual Handbook of the American Republics; a series of handbooks of each of the nations; commercial directories of the principal cities for the use of merchants and manufacturers; the tariff laws, import duties and customs regulations of the several countries, and frequent bulletins containing useful information for the benefit of those who desire to engage in trade with the other American Republics. It also answers specific inquiries concerning commercial matters.

Its exhibit is devoted to the illustration of the condition, resources, customs, industries and commerce of Mexico, Central and South America and the West Indies. Added to this is a special commercial exhibit, showing the articles of import into Latin American countries, their prices, popular patterns of goods, samples of implements in demand there, and the methods of packing for transportation into the interior of the countries when there are no railways.

The countries included in this classification are Mexico, Guatemala, Honduras, Salvador, Nicaragua, Costa Rica, Columbia, Venezuela, Ecuador, Peru, Bolivia, Chile, Argentine Republic, Uruguay, Paraguay, Brazil, Santo Domingo and Hayti, British Guiana and the West Indies generally.

By means of a profusion of enlarged photographs, drawings and paintings, a glimpse of those countries is given the observer. Beginning with Mexico, these pictures represent the features of each country, its native population, its architecture, etc., from the Rio Grande to Cape Horn. Many photographs and paintings show the peculiar costumes and customs of the people, how they eat, sleep, work and amuse themselves at their national games, and finally how they dispose of their dead, with the peculiar methods of sepulture, tombs and monuments.

Particular attention has been paid to the elaboration of everything distinctive in the life of the Central and South American people in order to familiarize residents of the North with their distinguishing characteristics. A prominent place has been given to articles of food supply, with the methods of preparation and use. Under this head come the indigenous cereals, fruits and vegetables; their cultivation, irrigation and harvesting and the storing of crops. The processes of raising and curing coffee, with pictures of machinery used for pulping, drying and cleaning the berries. The same with sugar. The ancient and modern systems are fully illustrated, from the primitive "bull-mills" in use by the natives to the great establishments of the Island of Cuba.

It is well known that these countries are deficient in the mechanical arts and their application, and in order to show what they need and what can be supplied from the United States the various trades and professions are presented, illustrating the proficiency of the natives in every branch. Education and religion and the status of the people in these matters are indicated by photographs of schools and churches, shrines and chapels, and articles used in religious ceremonies.

Of special value in this connection are the photographs illustrating transportation facilities, or the lack of them, such as native carts, trucks, sillas, and vehicles adapted to districts where there are no regular roads; also mule-trains, llamas, and other native beasts of burden. Roads and bridges are also illustrated, ancient and modern, as well as those improvised on the spur of necessity, and the hammock bridges in the mountains, constructed of vines and cables. Navigation is represented by photographs of canoes, balsas, etc., with their equipments. Modern railroads and the character of their equipment, tunnels, viaducts, and tramways and the systems in use.

There are many magnificent photographs illustrating the physical features of the countries, such as the great mountains and volcanos of Popocatepetl, Ixtaccihuatl, Chimborazo, Acaucagua and the higher peaks of the Andean chain, with the rivers, valleys, plateaus, coasts and harbors. Also, illustrations of the most notable examples of architecture, the cathedrals, churches, theatres, city halls, country residences and plantation houses.

Incidentally the history of the countries is exemplified by photographs of their noted men, heroes of more than local celebrity. There are fac-similes of their declarations of independence and historical papers relating to the revolutions that established the autonomy of the different republics. These portraits and fac-similes are extremely valuable. They are for the first time presented and illustrate the two great epochs in the history of these countries.

But pictorially and historically valuable as are all these exhibits, showing the resources of the Central and South American States, their value is enhanced by the fact that they are in a manner tributary to a more practical presentation, which is known as the commercial exhibit.

It has long been recognized that a great and growing market for American goods lies to the south of the United States, but it is practically controlled by the merchants and manufacturers of Europe. Owing to its contiguity to the United States this market should be supplied and controlled by Americans, but such is not the case. There is hardly an article supplied to that market that could not be sent quite as cheaply from the United States as from Europe, and it is to indicate to American manufacturers, merchants and shippers the vast possibilities open to them in the way of future trade that this commercial exhibit has been brought together. For this purpose the principal articles of import into the Latin American countries that are not made in the United States are shown and enumerated, representing the classes of goods best adapted to the wants of the people in every district; the most popular patterns and styles of dress goods and other fabrics for wearing apparel, boots, shoes, millinery, hosiery and articles of adornment. There is an immense trade in these things, and it has only been obtained by catering to the wants and even the caprices of the customers.

A vast field is open for the introduction of machinery, agricultural implements, steam engines, and in fact everything that is needed in the development of a new and unexploited country. The same may be said respecting drugs, chemicals, provisions, china and earthenware, glass and hardware, jewelry and watches, pianos and musical instruments, perfumery, toilet and fancy goods, lithographs, furniture of a class used in tropical countries, and everything needed in household furnishing and adornment.

Samples of the goods and manufactures most in demand in Central and South America have been obtained by purchase in their markets and are exhibited. A special bulletin of the Bureau of the American Republics has been prepared giving prevailing prices, terms of payment and every particular relating to size, quality and character of goods, etc., for the guidance of the American producer. Of equal value to the would-be shipper to this market is the special information regarding the packing and shipment of goods, machinery, etc., as frequently the best markets are far in the interior and all articles must be transported on the backs of mules, llamas or men. To make this object lesson perfect the director of the Latin American department has had prepared complete models of carriers, and stuffed specimens of those animals employed as beasts of burden, each one equipped with its proper accoutrement of pack-saddle, silla, etc., and carrying an exact model of the load intended for it. These examples show how goods should be packed to insure safe and proper transit over the roads and trails of each country, giving also dimensions and maximum weights permissible, so as to suit all methods of local transportation.

The necessary material for the packing is also given. Where the articles themselves could not be presented as samples, they are fully illustrated by the supplementary sketches and photographs, showing perfectly their uses and functions.

Unique as a whole, picturesque and beautiful, this collection in the gallery of the state department has a practical bearing that will commend it to every one who is interested in the development of American commerce.

The recent International American Conference is commemorated by a large frame containing photographs of all the officers and delegates, and the flags of the various nations which participated.

An immense relief map of Mexico, Central and South America gives the observer a bird's-eye view of those continents, showing all the lines of transportation by sea and land, and the proposed route of the Inter-Continental Railway which has been surveyed under the auspices of the

United States according to the recommendations of the International American Conference. This map has been prepared under the supervision of the engineers engaged upon that survey, and gives an excellent idea of the line that is to connect North, Central and South America.

Department of the Interior.—This Department is making exhibits from the United States Geological Survey, the Bureau of Indian Affairs, the Patent Office, the General Land Office, the Bureau of Education, the Census Office, the Yellowstone, Yosemite and Sequoia National Parks and the Territory of Alaska. Briefly summarized, the exhibits are as follows:

GEOLOGICAL SURVEY.—The Geological Survey elucidates the geology of the country and represents its work in both the field and the office. Mineralogy is shown by specimens selected from all quarters, and also rocks as an educational collection. Cases of American fossils are arranged to show their distribution in the United States and their order in the geological column. In connection with these are restorations of some of the enormous fossil animals discovered by Prof. Marsh. The office work is illustrated by photographs and photographic transparencies, maps and drawings. The instruments used in the work of the survey are displayed, together with a series of enlarged relief maps, to show the geology and topography of the country. In addition to the collections having a purely scientific value, a collection has been prepared to show the economic resources of the United States, including ores and minerals of commercial value, arranged so as to illustrate at a glance the wealth of the United States as regards each particular class of objects.

BUREAU OF INDIAN AFFAIRS.—The functions of the Indian Bureau are illustrated by specimens of the work of North American Indians, showing their native industries as compared with their accomplishments in the arts of civilization. The exhibit from this bureau shows the civilized side of the Indian, portraying the educational work which the government is doing. An Indian school is in operation in a building erected for the purpose. The rooms and halls of the building are decorated with articles of Indian manufacture, blankets, beads, pottery, baskets, etc. The windows are filled with transparencies showing scenes on Indian reservations and pictures of Indian life and customs. In the school-rooms are specimens of penmanship, drawing, composition and other school room-work, sent from the various government schools. Indian art is shown by decorations upon the walls, and the work of Indian mechanics is represented in the way of specimens of harness, tinware, carpenter work, shoemaking, farm products, etc. The main interest of the Indian exhibit consists in the carrying on of an Indian boarding school, in which boys and girls, with their instructors, will live, study, recite, sew, prepare meals, work at their trades and carry on all the industrial and educational life and training which pertain to a boarding school upon an Indian reservation. The school building has shops, school-rooms, sitting-rooms, dining-room, kitchen, dormitories and rooms for employes. The picturesque and impressive side of primitive Indian life is shown by presenting the living Indian in his own habitation and carrying on his own avocations. With this end in view, several Indian families, representing different tribes, have been located near the Indian building, showing their customs, life and occupations in their primitive and aboriginal surroundings.

PATENT OFFICE.—The Patent Office exhibit illustrates the marvellous rate of progress in invention of the present age and the fostering influence of the American patent system in this regard. There is shown to inventors and mechanics the methods, processes and requirements of the Patent Office. The exhibit consists of groups of models arranged in series, those in each art being arranged by themselves, so that the entire display constitutes an outline history of the development of the useful arts. This exhibit should prove highly interesting and profitable, since the juxtaposition of the crude and imperfect devices which marked the inception of each art, with those showing the acme of development now reached, illustrates the progress that has been made, while the presence, serially and chronologically arranged, of the types representing the important intermediary steps shows in a graphic manner how the present results have been attained.

GENERAL LAND OFFICE.—The exhibit of the Land Office embraces maps and plats showing the public lands, their location, character products, etc., and the timber, mineral and agricultural resources of the various sections of the country. The line of the exhibit is the "public lands" and the "public land system" of the United States. The exhibit is graphic and delineatory, representing the work of the different divisions of the office. Placed before the public, in an attractive manner, information is given as to the development of the country from its infancy to the present time; its growth by cession and purchase; the development of the acquired territory; advancement in the system of surveys adopted by the United States; location of the agricultural lands disposed of and in possession of actual settlers; agricultural lands not disposed of; location of discovered and developed mineral lands; lands segregated to railroads; the area of timber and desert lands, etc.

BUREAU OF EDUCATION.—The Bureau of Education exhibits its publications, and by suitable devices, the methods of diffusing information through reports and correspondence; its blank forms of inquiry and other methods of collecting information, and by figures and graphic devices on charts, a digest of statistical information respecting all classes of schools in the United States. The library and museum division exhibits the evolution of the text book and illustrates the character of its various collections. Text books printed in the earliest years of the settlement of the country are shown. An effort has been made to show the relative character of American and foreign text books. There is also shown a model library of pedagogy and general instruction. The collection of books is a model one in every respect, classified and shelved according to the most improved system. Finding lists, dictionary and classified catalogues, accession books,



BOARD OF MANAGEMENT AND CONTROL THE U. S. GOVERNMENT EXHIBIT.

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| 1. ELIJAH C. FOSTER,
<i>Gen. Agt. Dept. of Justice.</i> | 2. PROF. G. BROWN GOODE,
<i>Asst. Secy. Smithsonian Institute.</i> |
| 3. W. E. CURTIS,
<i>Department of State.</i> | 4. FRED A. STOCKS,
<i>Treasury Department.</i> |
| 5. MAJOR CLIFTON COMLY,
<i>War Department.</i> | 6. EDWIN WILLIAMS,
<i>Department of Agriculture.</i> |
| 7. CAPT. R. W. MEADE,
<i>U. S. Navy.</i> | 8. A. D. HAZEN,
<i>Post Office Department.</i> |
| 9. HORACE A. TAYLOR,
<i>Commissioner of Railroads.</i> | 10. TARLETON H. BEAN,
<i>U. S. Fish Commission.</i> |
| | 11. F. T. BICKFORD,
<i>Secy. and Executive Officer.</i> |

circulation books, and in fact every requirement of a properly conducted library is shown. The museum exhibits the development of the school-room, school building and grounds, much attention being devoted to the arrangement of rooms, heating apparatus, ventilation, sanitation, etc. The evolution of school furniture is exhibited and the development of school apparatus and appliances. The objective method of instruction, as practiced in laboratories and kindergarten and manual training schools, is shown.

CENSUS OFFICE.—The Census Office exhibits the novel electrical tabulating system developed during the taking of eleventh census, with skilled operators at work, and exhibits also a series of illuminated charts, maps and diagrams, showing the more striking features of our national development and our rate of progress, movement of population, population by race, sex, nativity, etc. Also the manufacturing, mining and agricultural interests of the country and other statistics of value.

NATIONAL PARKS.—From the Yellowstone Park are exhibited various specimens of minerals, rocks, sections of the curious formations about the geysers and of petrified trees, and many other curiosities abounding in that well named "wonderland." From the Sequoia Park is exhibited a big tree, one of the finest specimens to be found in California. The section has been erected in the rotunda of the Government Building. From the Yosemite are shown large photographs of some of the most noted big trees and of the remarkable scenery of that region.

TERRITORY OF ALASKA.—From Alaska is exhibited a full collection showing the resources of that great Territory. There are minerals, fish, furs, oils, timber, etc. There is also a great collection of curios manufactured by the native Alaskans.

U. S. Fish Exhibit.—According to the Act of Congress creating the United States Government exhibit the functions of the fish commission exhibit have four special branches, viz: Inquiry respecting food fish; propagation of food fish; statistics relating to national fisheries and their methods, and the live fish exhibit in the aquaria. The area given the fish exhibit in the building comprises about one-sixth of the entire space. By far the most interesting features are the various illustrations of the science of fish farming. Spawn and little fish in all stages of development are shown. The statistics relating to government fisheries tell the visitor that at a single station on the Massachusetts coast the government hatched 55,000,000 cod fish and 20,000,000 lobsters last year. There are government fishing stations and hatcheries in twenty-two different States, and these include the great fresh water fish hatcheries of the interior, beside the sea-coast hatcheries. The main idea of the government fisheries exhibit is to illustrate not only the methods of catching fish and fish culture but the fisheries themselves and their management. In the department of fish culture there are tanks and troughs showing the methods of hatching shad, pike and perch. These are called rearing troughs. Actual spawn will be used during the Exposition, except possibly two months in midsummer, when natural eggs cannot be had. Artificial eggs will then be used. The growth of the fish is shown by means of casts of yearlings, 2-year-olds, 3 and 4-year olds, etc. These casts are of material which the government keeps secret, and are mounted on screens. Another interesting portion of this exhibit comprises the methods of taking eggs from the fish. There are fishermen's dories and full sized lay figures, representing fishermen in the act of securing the spawn. There is also a historical series of fish culture apparatus. There are models of complete fishing stations and rigged vessels. Among these models are the trout station in Colorado and whitefish station at Put-in-Bay, the shad station at Havre de Grace, Md., and the cod station at Woodshull, Mass. There is also a complete series of transportation apparatus, showing the methods of transporting fish in cans or boxes. There is a valuable series of charts showing the effects of fish culture upon the different fisheries, and a complete series of photographs illustrating the operations of the United States Fish Commission. The department of scientific inquiry includes very valuable instruments for taking deep sea soundings. There are splendid models of the steamers Albatross and Fish Hawk, the two principal government steamers engaged in the fisheries. There are nets which are used in bringing fish to the surface from a depth of three miles and more. Most interesting are the specimens of animal life brought from these vast recesses of the ocean. Intricate machinery for winding deep sea nets, charts, maps and a library of fish literature go to make up a marvelous exhibit. There are corals, sea plants and sponges taken in these deep sea soundings. There is also a model of engines used in the submarine cable survey. In the department illustrating commercial fisheries there are papier-mache casts of large marine animals, including a little whale, grampus, porpoise, sturgeon, a twelve-foot halibut and sharks. There are hundreds of these casts, giving a comprehensive idea of the extent and variety of government fisheries. There are models of vessels and boats used in the fisheries, some being remarkably handsome. The development of fishing craft, from Indian canoes and dug-outs to the modern whalers and oyster boats, are freely shown. Then there are full-sized sealing and whaling boats, equipped with all the apparatus used in actual work. There is a life-sized group of hair seals and another of fur seals. There is a ten-foot horse mackerel. Up by the gallery there are lay figures, one being a man in the act of harpooning a whale and another representing a man in the rigging looking out for whales. There is a figure of a negro fisherman and another of a Chesapeake bay fisherman. There are models of the splendid fishway on the Potomac, where fish swim up stream and falls without effort. There are fish traps, nets and seines in great profusion and a special exhibit of the Alaska fisheries. There is a cage of birds which subsist on fish. One corner of the exhibit is devoted to anglers and their appliances. There are lay figures representing various angling scenes.

[For description of the exhibit of the United States Fish Commission in the Fisheries Building, see "Department D—Fish and Fisheries."]

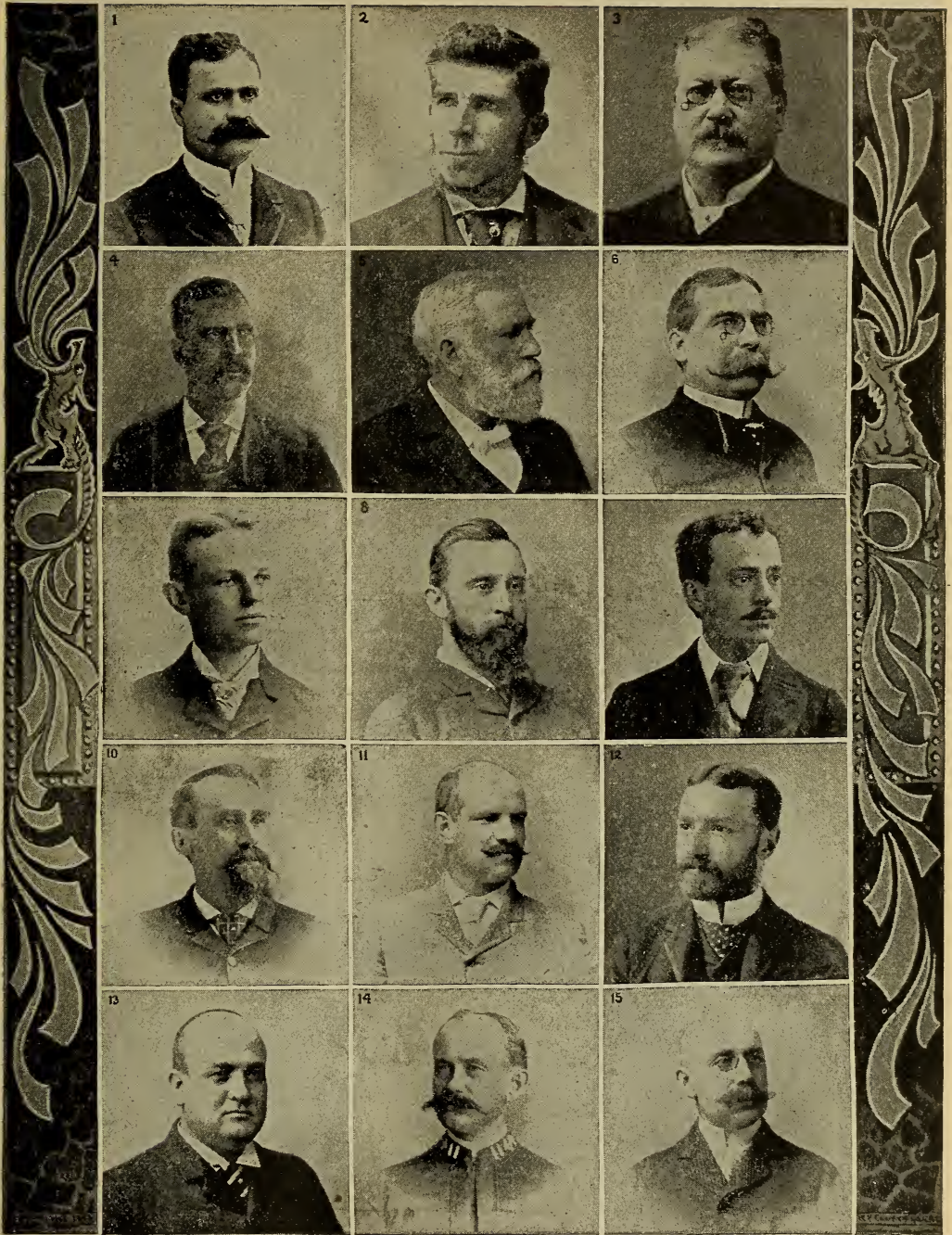
Colonial Exhibit.—The Colonial exhibit is made in the United States Government Building. Mrs. Ralph Trautman, of New York City, Mrs. Sallie Cotton, of North Carolina, and Mrs. George Wilson Kidder, of Wilmington, N. C., formed the committee from the Board of Lady Managers to obtain space for the display in the Government Building. The committee was assisted by Mrs. Gillespie, of Philadelphia, a great granddaughter of Benjamin Franklin, who was President of the women's section of the Centennial. These ladies personally secured the aid of President Cleveland and the Cabinet officers, and secured space for their exhibit in the dome of the building. One of the conditions made by Secretary Gresham when he endorsed the project was that each item of the display should have historic value as well as personal interest. The Board of Lady Managers installed the Colonial exhibit in six of the arches of the dome. The two remaining arches are occupied by the Declaration of Independence and the original Constitution of the thirteen original States. No two objects within the Exposition attract more attention than these, nor are more closely guarded, consequently the owners of the colonial relics may feel particularly assured that their treasures are under the government's protection. The six arches are equally proportioned among the thirteen original States participating in the Colonial exhibit, their respective flags and State coat-of-arms indicating the location of each. North Carolina made liberal provision for her participation in the exhibit, and New York appropriated \$10,000 to her share. Massachusetts also takes active participation in this exhibit.

United States Weather Bureau.—This building stands northeast of the Government Building. It is a wooden structure, covered with cement to resemble cut stone, and is two stories with tower. In size it is 40x50 feet. The first floor is used for meteorological apparatus and the printing of weather maps. The second floor is used for a hall, one end having a platform from which is given stereoptican views and lectures on meteorological subjects and the forecasting of the weather. The tower is used for observation and meteorological instruments. Cost of building, \$5,965.

Life Saving Station.—Located on the edge of the north pond, to the east of the Illinois State Building, is the Life Saving Station, which is equipped with every appliance, and a regular crew goes through all life saving manœuvres. The station consists of a one and one-half story frame building, 67x35 feet, with covering of shingles and clapboards. The gables are treated with overhanging ends. A portion of the roof is truncated, protected by a hand railing, forming a lookout deck, which connects with a small rectangular watch tower. The general treatment is Colonial. The structure combines a dwelling for the crew together with a boat and apparatus room. The dwelling portion is surrounded by a broad uncovered platform with railing. On the east side is the entrance porch. The dwelling contains, on first floor, four living rooms, also hall, entry, pantry, closets, etc. Above are sleeping quarters for the crew, spare-room, clothes-room, storage, lavatory, etc. A circular iron staircase, from the second floor, leads to the watch tower and lookout deck. The boat-room is on the first floor, 37 feet 6 inches by 34 feet 2 inches, fitted with closets, and arranged to accommodate two or more life boats, together with the complete apparatus used for life saving purposes. On the west side the boat-room connects with the water by a launchway. The boats, with crews aboard, run by gravity to take the water. As this is a permanent station for the United States Life-saving Service, and will so remain after the closing of the Exposition, utility has been considered more than mere ornamentation in the general design. Its cost, exclusive of apparatus and furnishings, was \$10,000.

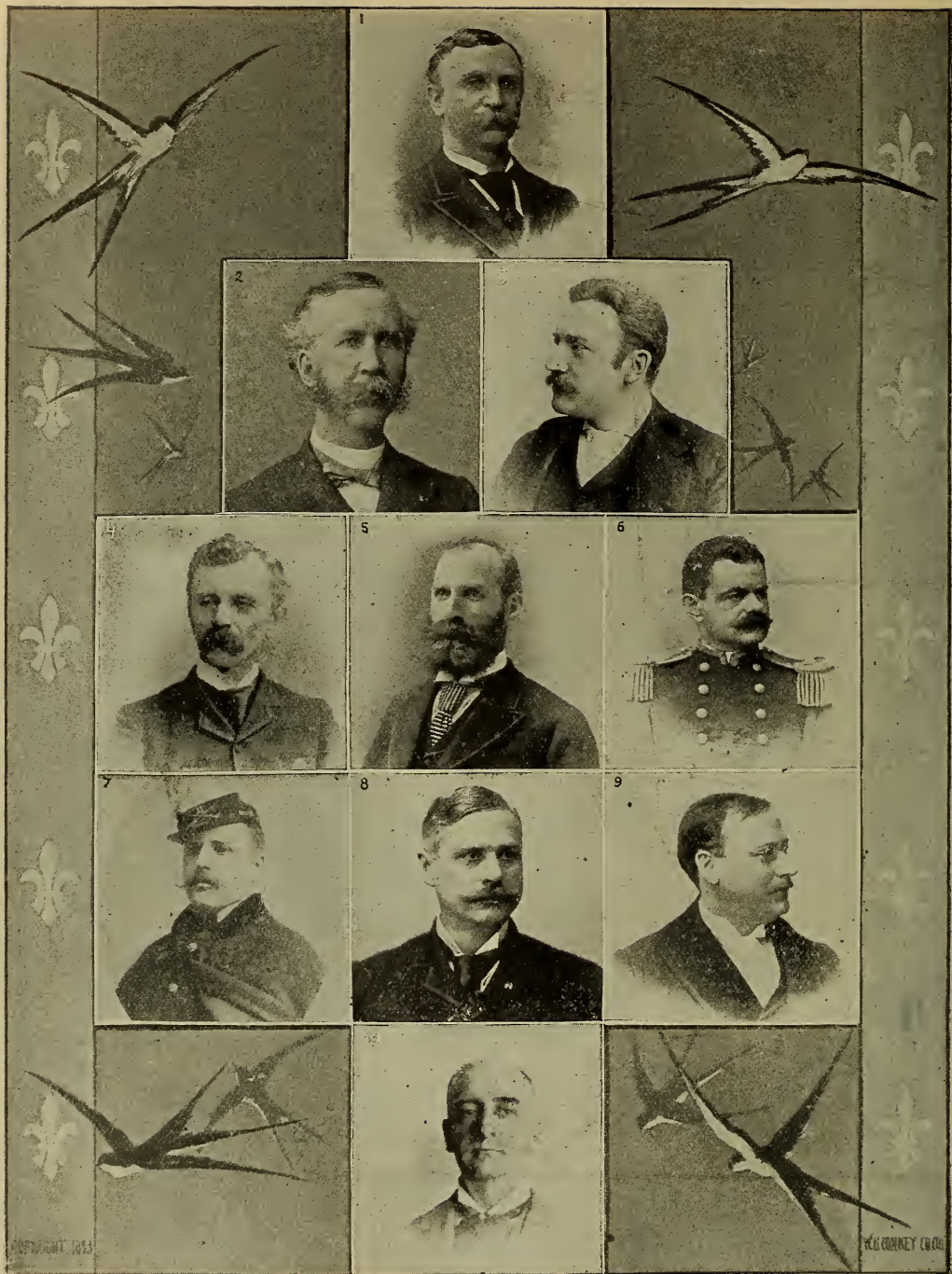
Lighthouse Exhibit.—The exhibit made by the United States Lighthouse Board is the tower constructed for the Waackaack lighthouse, New Jersey. It is located on the north pond, directly north of the Fisheries Building. It is an iron skeleton structure, surmounted by a parapet and a lantern, accessible from below by a spiral stairway inclosed in a cast-iron cylinder. The skeleton structure, which rests upon eight circular foundation disks anchored to a concrete foundation, is composed of columns, sockets, struts and tension-rods, forming a frustum of a square pyramid, bounded on top by an architrave supporting an octagonal gallery, a circular parapet and a decagonal lantern. The frustum has a base 28 feet square; its height is 84 feet to the lower face of the architrave, where its sides form a square of 8 feet 8 inches on each side.

United States Government Board of Management and Control.—This board is authorized by Section 16 of the Act of April 25, 1890, and consists of one representative from each executive department, from the Smithsonian Institution and National Museum, and from the Fish Commission. The chairman of the board is appointed by the President of the United States and the board itself is given authority to select such other officers as it may deem necessary. The members of this board serve without compensation other than their regular pay as government officials.



VARIOUS OFFICERS WORLD'S COLUMBIAN EXPOSITION.

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|---|---|---|
| 1. A. B. HURT,
<i>Secy. Agricultural Dept.</i> | 2. JOHN THORPE,
<i>Supt. of Horticulture.</i> | 3. BEN. C. TRUMAN,
<i>Asst. Supt. of Horticulture.</i> |
| 4. CHARLES WRIGHT,
<i>Supt. of Pomology.</i> | 5. H. M. LA RUE,
<i>Supt. of Viticulture.</i> | 6. DR. JAS. A. HENSHELL,
<i>Asst. in Charge Angling Exhibit.</i> |
| 7. E. L. BURCHARD,
<i>Chief Clerk Mines and Mining.</i> | 8. D. C. BOYCE,
<i>Expert Coal and Iron.</i> | 9. J. S. CAREY,
<i>Chemist and Assayer.</i> |
| 10. S. J. MACOMBER,
<i>Machinery Expert.</i> | 11. W. A. RABORG,
<i>Mineralogist.</i> | 12. H. FITZ-JOHN PORTER,
<i>Engineer Machinery.</i> |
| 13. A. A. ABBOTT,
<i>Supt. Vehicle Division Transportation Building.</i> | 14. LIET. A. C. BAKER,
<i>Supt. Marine Division Transportation Building.</i> | 15. CLINTON COLLIER,
<i>Supt. Shoe and Leather Division.</i> |



VARIOUS OFFICERS WORLD'S COLUMBIAN EXPOSITION.

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| | 1. JOS. HIRST,
<i>Secy. of Installation.</i> | 3. E. BREWER,
<i>Chief Clerk Dir.-Gen. Office.</i> |
| 4. E. H. TAYLOR,
<i>Secretary Dir.-Gen. Office.</i> | 2. FRED. BRACKETT,
<i>Special Agent for Foreign Exhibitors.</i> | 6. D. N. BARTOLETTE,
<i>Surgeon U. S. N.</i> |
| 7. R. J. C. IRVING,
<i>Lieutenant U. S. A.</i> | 5. N. E. DAWSON,
<i>Private Secretary Dir.-Gen. Office.</i> | 9. R. J. MURPHY,
<i>Secy. Press Committee.</i> |
| | 8. E. C. CULP,
<i>Secy. Com. on Ceremonies.</i> | |
| | 10. R. A. ROGERS,
<i>Chief Clerk to Secy. National Com.</i> | |

DUTIES AND POWERS OF THE VARIOUS OFFICIALS.

WORLD'S COLUMBIAN COMMISSION.

THIS body is known by the title of the "World's Columbian Commission," as designated by the Act of Congress, approved April 25, 1890, and as set forth in the by-laws. The Commission has an Official seal, circular in form, with the following devices thereon. Around the margin of the words:

"World's Columbian Commission, created by Act of Congress of the United States of America, organized 1890."

In the center a vignette composed as follows:

In the top of the circle the eagle, copied from our National coat of arms, perched upon the figure of a globe, and below it a section of the well-known picture of the landing of Columbus, showing the prow of the boat.

National Commissioners.—Two from each State and Territory, provided for by the Act of Congress creating the World's Columbian Commission; appointed by the President of the United States, on the nomination of the Governors of the States and Territories, respectively; also two Alternate Commissioners appointed in the same manner and within the same time; also eight Commissioners-at-Large and two from the District of Columbia, appointed by the President of the United States, and the same number of Alternate Commissioners, appointed in the same manner and within the same time. In the nominations and appointments each of the two leading political parties (Democratic and Republican), were equally represented. Vacancies in the Commission nominated by the Governors of the several States and Territories, respectively, and also vacancies in the Commission-at-Large and from the District of Columbia may be filled in the same manner and under the same conditions as provided for their original appointment. Immediately after the passage of the Act, the Secretary of State of the United States notified the Governors of the several States and Territories, respectively, thereof and requested such nominations to be made. The Commissioners so appointed were called together by the Secretary of State of the United States in the City of Chicago, by notice to the Commissioners, within thirty days after their appointment. The Commissioners, at the first meeting, organized by the election of such officers and the appointment of such Committees as they deemed expedient.

The duties, powers and compensation of the Commission were set forth in Sections, of the Act as follows:

That said Commission be empowered in its discretion to accept for the purposes of the World's Columbian Exposition such site as may be selected and offered and such plans and specifications of buildings to be erected for such purpose at the expense of and tendered by the corporation organized under the laws of the State of Illinois, known as "The World's Exposition of eighteen hundred and ninety-two." *Provided*, That said site so tendered and the buildings proposed to be erected thereon shall be deemed by said Commission adequate to the purposes of said Exposition; *And Provided*, That said Commission shall be satisfied that the said corporation has an actual bona fide and valid subscription to its capital stock which will secure the payment of at least five millions of dollars, of which not less than five hundred thousand dollars shall have been paid in, and that the further sum of five million dollars, making in all ten million dollars, will be provided by said corporation in ample time for its needful use during the prosecution of the work for the complete preparation for said Exposition.

That the said Commission shall allot space for exhibitors, prepare a classification of exhibits, determine the plan and scope of the Exposition, and shall appoint all judges and examiners for the Exposition, award all premiums, if any, and generally have charge of all intercourse with the exhibitors and the representatives of foreign nations. And said Commission is authorized and required to appoint a Board of Lady Managers of such number and to perform such duties as may be prescribed by said Commission. Said Board may appoint one or more members of all committees authorized to award prizes for exhibits which may be produced in whole or in part by female labor.

That after the plans for said Exposition shall be prepared by said corporation and approved by said Commission, the rules and regulations of said corporation governing rates for entrance and admission fees, or otherwise affecting the rights, privileges, or interests of the exhibitors or of the public, shall be fixed or established by said corporation, subject, however, to such modification, if any, as may be imposed by a majority of said Commissioners.

That it shall be the duty of the Commission to make report, from time to time, to the President of the United States of the progress of the work, and, in a final report, present a full exhibit of the results of the Exposition.

That the Commission hereby authorized shall exist no longer than until the first day of January, eighteen hundred and ninety-eight.

That the Commissioners and alternate Commissioners appointed, under this act shall not be entitled to any compensation for their services out of the Treasury of the United States, except their actual expenses for transportation and the sum of six dollars per day for subsistence for each day they are necessarily absent from their homes on the business of said Commission. The officers of said Commission shall receive such compensation as may be fixed by said Commission, subject to the approval of the Secretary of the Treasury, which shall be paid out of the sums appropriated by Congress in aid of such Exposition.

STANDING COMMITTEES.

Judiciary, Rules, and By-Laws.—(Consisting of eight commissioners.) Formulate Rules and By-Laws for submission to the Commission, and report on all such matters as may be referred to it by the Commission, its Executive Committee, or its Board of Reference and Control.

Tariffs and Transportation.—(Consisting of sixteen Commissioners.) Have consideration of all such matters relating to tariffs, bondage, and releasing of goods, and the transportation of goods, as may be referred to it by the National Commission, its Executive Committee, or its Board of Reference and Control, in conjunction with such officers of the Treasury Department as may be appointed.

On Foreign Affairs.—(Consisting of eight Commissioners.) Have charge of all matters pertaining to the foreign exhibits of the Exposition that may be referred to it by the National Commission, its Executive Committee, or its Board of Reference and Control.

On Legislation.—(Consisting of the Commissioners and alternates from each State, Territory, and the District of Columbia, and also the Commissioners-at-Large and their alternates.) Have consideration of all matters pertaining to the State, Territorial, or Municipal legislation affecting the Exposition.

On Federal Legislation.—(Consisting of twelve Commissioners.) Have charge and jurisdiction of all matters of Federal legislation relating to or in anywise connected with the interests of the Exposition.

On Fine Arts.—(Consisting of eight commissioners.) Have charge of all matters pertaining to fine arts which may be referred to it by the Commission, its Executive Committee, or its Board of Reference and Control.

On Science, History, Literature, and Education.—(Consisting of eight Commissioners.) Have charge of all matters pertaining to these subjects that may be referred to it by the Commission, its Executive Committee, or its Board of Reference and Control.

On Agriculture.—(Consisting of sixteen Commissioners.) Have charge of all matters pertaining to agriculture which may be referred to it by the Commission, its Executive Committee, or its Board of Reference and Control.

On Live Stock.—(Consisting of sixteen Commissioners.) Have charge of all matters pertaining to live stock, including domestic animals, poultry and birds of all varieties, as shall be referred to it by the Commission, its Executive Committee, or its Board of Reference and Control.

On Horticulture and Floriculture.—(Consisting of sixteen Commissioners.) Have charge of all matters pertaining to these subjects that may be referred to it by the Commission, its Executive Committee, or its Board of Reference and Control.

On Finance.—(Consisting of eight Commissioners.) Have charge of all matters pertaining to the expenditures of the Commission under the Act of Congress, or such other matters of finance as may be referred to it by the Commission, its Executive Committee, or its Board of Reference and Control.

On Auditing.—(Consisting of four Commissioners.) Have charge of examining and auditing all paid bills and accounts of the Commission; and this Committee may hold sessions at the call of its Chairman, not oftener than once in two months.

On Ceremonies.—(Consisting of ten Commissioners, two of whom shall be the President and Secretary of the Commission.) Have charge of all matters pertaining to the inauguration of the World's Columbian Exposition, and all ceremonies connected from time to time therewith.

On Classification.—(Consisting of sixteen Commissioners.) Have charge of all subjects pertaining to the classification of exhibits, and the limitation of space therefor, as may be referred to it by the Commission, its Executive Committee, or its Board of Reference and Control.

On Manufactures.—(Consisting of sixteen Commissioners.) Have charge of all matters pertaining to this subject that may be referred to it by the Commission, its Executive Committee, or its Board of Reference and Control.

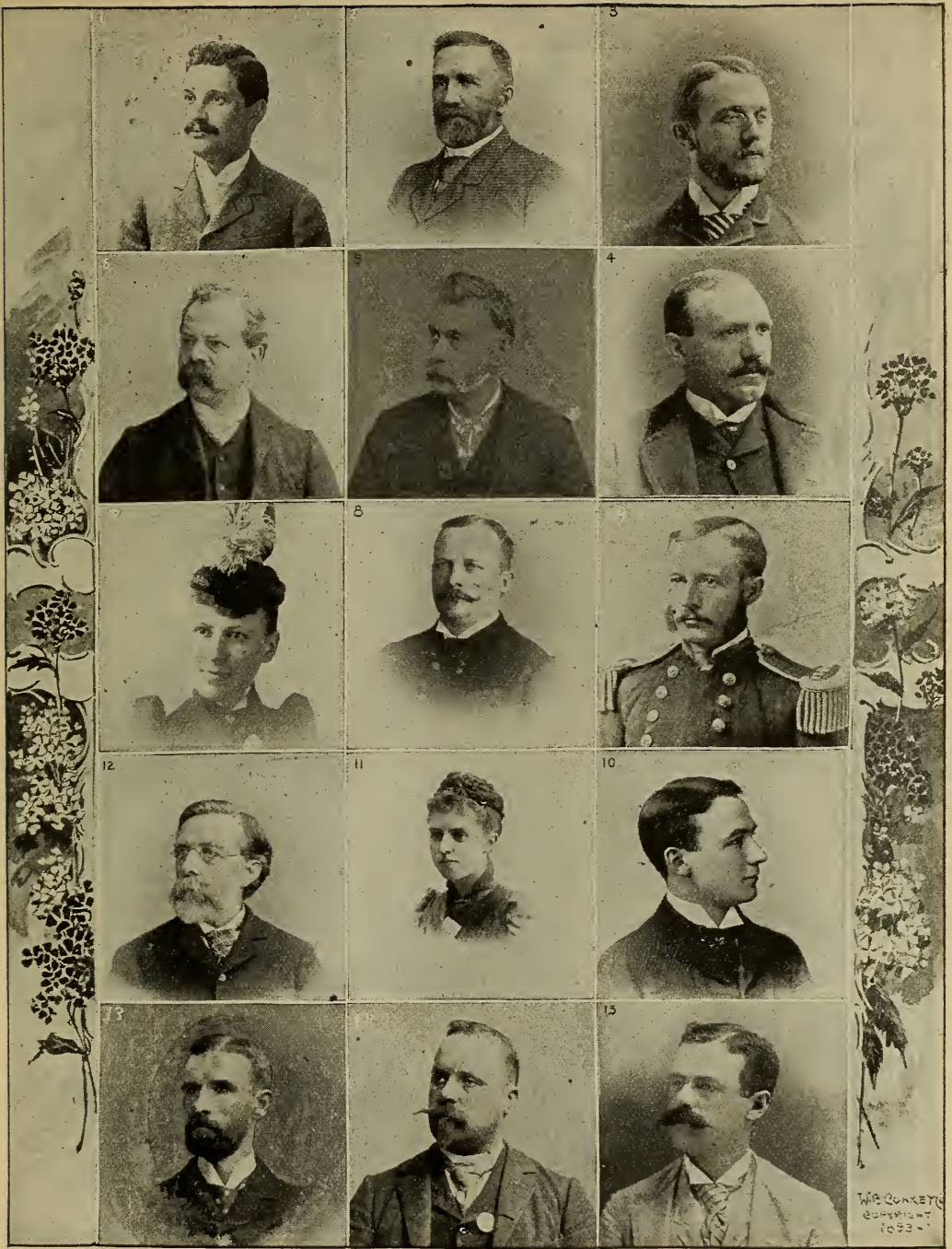
On World's Congresses.—(Consisting of eight Commissioners.) Act in connection with the Local Directory in reference to any World's Congress that may desire to assemble here during the Exposition.

On Grounds and Buildings.—(Consisting of six Commissioners.) Have charge and supervision of the grounds and buildings in so far as the Commission may exercise authority over the same, and also examine and report to the Commission as to the provision made by the World's Columbian Exposition for such buildings, as it shall be thereto required, by the order of the Commission, its Executive Committee, or its Board of Reference and Control.

Each of the said several standing committees has power and authority to investigate, from time to time, the workings of the several great departments, respectively, having charge of the particular subject, or subjects, with reference to which each such committee was created; and from time to time to make reports and recommendations respecting the same, either to the Board of Reference and Control, the Executive Committee, or to the Commission.

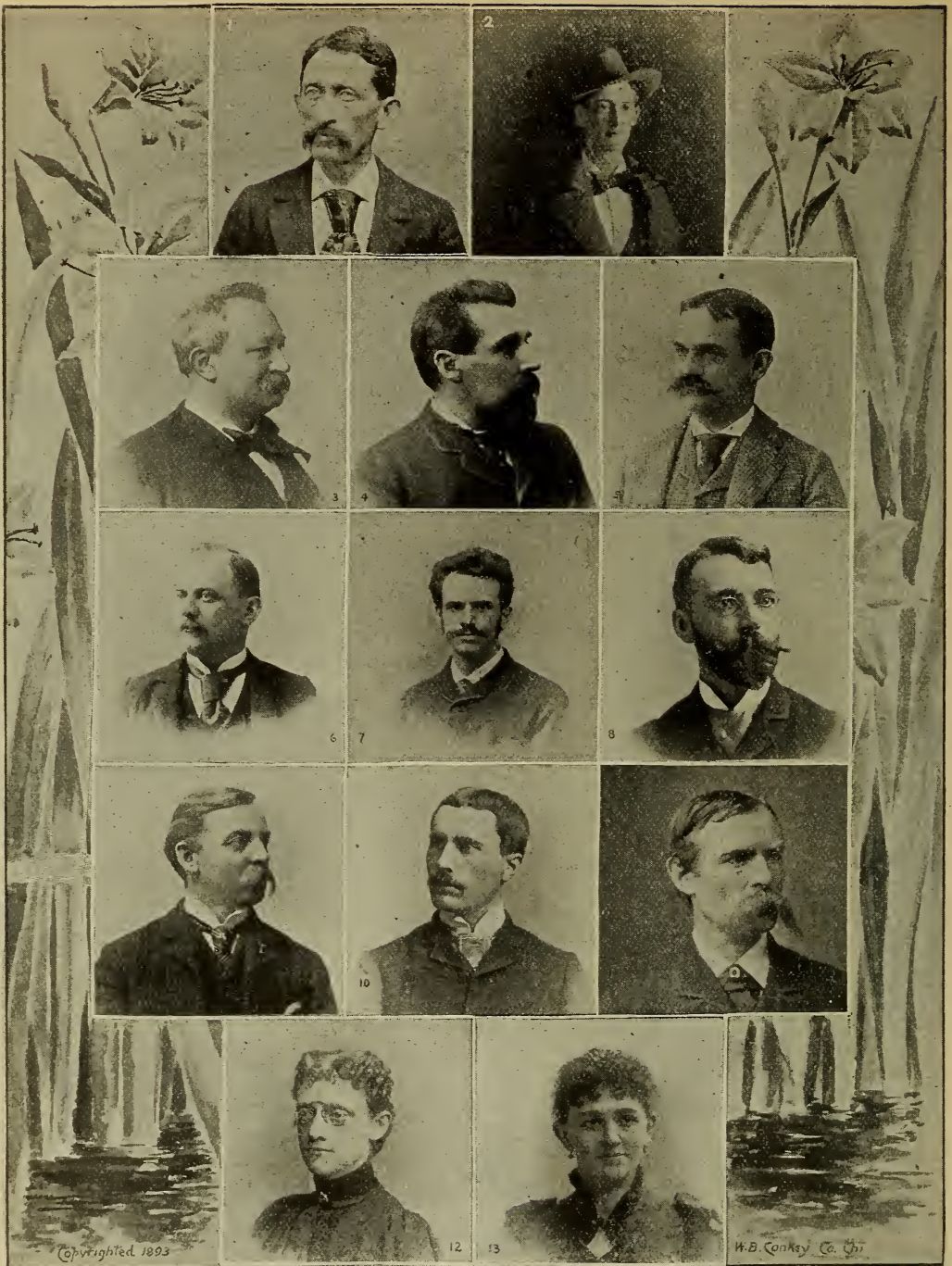
On Awards.—Appointed by the President, consisting of twelve Commissioners; authorized to meet at the call of the Chairman, and have charge of the subject of awards, and who, in connection with the Director-General, select and appoint the Board of Judges, subject to the approval of the Commission. Said Committee is empowered to employ a secretary at a salary not to exceed \$5,000 per annum.

Groups and Classes.—Provided by the Commission as a means of determining where the different exhibits are installed and of associating the exhibit, its relation to the industry that is represented, and as an aid to the Committee on Awards in determining judgment.



VARIOUS OFFICERS WORLD'S GOLUMBIAN EXPOSITION.

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| 1. NATHANIEL S. ROSENAU,
<i>Supt. of Charities and Corrections.</i> | 2 JOHN B. DINSMORE,
<i>Supt. Cattle Division.</i> | 3. WM. O PRATT,
<i>Supt. of Education and Sanitation.</i> |
| 6. E. D. YORK,
<i>Department Foreign Affairs.</i> | 5. H. W. CANNON,
<i>Chief Clerk Dept. Publicity and Promotion.</i> | 4. VICTOR SARNER,
<i>Editorial Assistant,</i> |
| 7. BESSIE B. BOYER,
<i>Secretary Transportation Dept.</i> | 8. JOHN M. WHITLAW,
<i>Supt. of Fish and Fisheries Bldg.</i> | 9. LIEUT. F. S. BASSETT,
<i>Interpreter Foreign Affairs Dept.</i> |
| 12. A. M. GARLAND,
<i>Supt. Sheep Division.</i> | 11. ADELAIDE F. WILLSON,
<i>Private Secy. Dept. Publicity and Promotion.</i> | 10. FRANK RIGLER,
<i>Supt. Mailing Division</i> |
| 13. T. HACKWORTH YOUNG,
<i>Supt. Railway Division</i> | 14. HUGH M. HUGHES,
<i>Supt. of Grounds.</i> | 15. C. R. PICKARD,
<i>Chief Clerk Foreign Affairs.</i> |



VARIOUS OFFICERS WORLD'S COLUMBIAN EXPOSITION.

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| 1. J. P. CRANE,
<i>Chief Clerk Dept. Horticulture.</i> | 2. PAUL HULL,
<i>Supt. Official Catalogue.</i> | 3. THEODORE THOMAS,
<i>Musical Director.</i> |
| 4. WM. L. TOMLINS,
<i>Choral Director.</i> | 5. GEO. H. WILSON,
<i>Sec. Music and Drama.</i> | 6. J. P. HOLLAND,
<i>Chief Clerk Dept. Pub. and Pro</i> |
| 7. FRANK BOAZ,
<i>Asst. Chief Ethnology.</i> | 8. CHAS. M. KURTZ,
<i>Asst. Chief Dept. Fine Arts.</i> | 9. W. M. KNOX,
<i>Editorial Assistant.</i> |
| 10. RICHARD LEE FEARN,
<i>Secretary Foreign Affairs.</i> | 11. SAM. V. STEELE,
<i>Editorial Assistant.</i> | 12. MISS F. H. MEADE,
<i>Sec. Dept. Ethnology.</i> |
| | 13. NANCY H. BANKS,
<i>Editorial Assistant.</i> | |

BOARD OF REFERENCE AND CONTROL.

This Board consists of the President of the Commission, the Vice-Chairman of the Executive Committee, and six members of the Commission, appointed by the President, upon which Board are conferred all the powers and duties of the Commission, when the Commission or its Executive Committee shall not be in session, except in cases in which the Act of Congress requires the action of the Commission, or of a majority of the Commissioners. This Board, with a like Committee of the Directory of the World's Columbian Exposition, appointed by the President thereof, constitutes a Committee of Conference to which is referred all matters of difference, and the joint action of the two Boards, constituting the Joint Committee on such matters of difference, is conclusive. The Board is required to keep accurate records of all its proceedings, and make full reports of the same to the Commission at each session thereof, within the first two days of the session.

President.—The President presides over all the meetings of the Commission, and appoints all committees, unless otherwise directed by the Commission, and he has all the powers and authority incident to the office of President. The President may, and, at the written request of a majority of the Executive Committee, or of one-third of the members of the Commission, or of six members of the Board of Reference and Control, shall, call a meeting of the Commission, by giving each member reasonable notice of the time and place of such meeting.

Vice-Presidents.—There are five Vice-Presidents who are denominated, first, second, third, fourth and fifth Vice-Presidents. The first Vice-President must be of opposite politics to the President and the other four must be divided equally in politics. The Vice-Presidents are required, in the absence of the President, to perform his duties, each taking precedence in numerical order, and, if all the Vice-Presidents be absent, the Commission may elect a temporary presiding officer. No salary is attached to the office other than their per diem as Commissioners.

Secretary.—The Secretary conducts the correspondence of the Commission and is the custodian of all documents and records relating to its business. He is required to keep a full and accurate record of its proceedings and of those of the Board of Reference and Control, and to make report of same, from time to time. He has power to appoint such assistant secretaries and select such clerical force as shall be necessary properly to conduct the business of the Commission, subject to the approval of the Executive Committee. He is required to keep all the accounts of the Commission and certify the same to the Secretary of the Treasury for payment. All papers, accounts and records in his custody shall at all times be open to inspection on the demand of any Commissioner.

Chief Clerk to the Secretary.—He keeps a record of the Commissioners and Alternates, showing date of appointment, postoffice address, changes, etc., and also a similar record of the Board of Lady Managers. He also has charge of the commissions issued to the Lady Managers, and the correspondence relative thereto, which is kept separate from the general correspondence. He keeps a record of the commissions issued by the Director-General to the representatives of the Exposition. As accountant he keeps a regular set of books and makes out the vouchers of all claims against the Commission and Board of Lady Managers, said vouchers consisting of an original, duplicate and triplicate, the two former being sent to the Treasury Department of the United States, the triplicate being kept on file in the Secretary's office. He also has charge of the printing done for the Commission, Board of Control, etc., printing of letter-heads for the offices of the Director-General, Board of Lady Managers, and Secretary of the Commission, as well as the purchasing of supplies for these offices. He also acts as journal clerk during the sessions of the Commission, and other important services when occasion requires. A recent committee inspection of the office was made and the report states: "Your committee finds that the books, accounts and vouchers of the Commission are under the charge of the chief clerk, Mr R. A. Rogers, an expert and experienced accountant, and this, and indeed every detail of the varied work in the office of the Secretary, is in the best possible condition. Every account is kept absolutely up to date and closed daily. Every letter, petition and application is properly marked and filed, so as to be accessible in a moment."

Board Lady Managers.—This Board was created by Section 6 of the Act of Congress, approved April 25, 1890. Its officers are a President, who has general supervision over the Board, eight Vice-Presidents and a Vice-President-at-Large, one of whom presides in the absence of the President in the order in which they are enumerated; a Secretary, who is required to keep the records and minutes; a Superintendent of the Industrial Department, who prepares general statistics of industrial pursuits engaged in by women; a Superintendent of State Work, who has charge of exhibits by women from the various States and Territories; a Chairman of the Committee on Awards, and a Director of the Woman's Building, who has supervision over the building and its decoration.

Director-General.—The Director-General exercises such supervision, direction and control of the operation of the "World's Columbian Exposition," within the domain of the powers possessed by the Commission, as will tend to promote the efficiency of every agency employed. He is authorized to assume and exercise all such executive powers and functions as shall be necessary to secure promptness, efficiency, and good faith in every department of the work within the purview of the authority of the Commission, and is required to make report of his proceedings to the Executive Committee at such times and in such manner as shall be required by said Committee, and is in all matters subject to the direction and control of the Executive Committee. It is his duty and privilege to attend the meetings of any of the Standing Committees for the

purpose of suggestion and conference, and to the end that all the agencies of the Commission may be rendered more efficient. It is also his duty to make a report to the World's Columbian Commission, at each regular meeting thereof, of his proceedings, and of the progress made in the work of the Exposition since the last meeting of said Commission, with such recommendations and suggestions as he may deem best to make to said Commission.

The Director-General has the power to appoint chiefs of the several great departments, subject to the confirmation of the National Commissioner and the Board of Directors of the World's Columbian Exposition, and not by any committee of either body.

He fixes the salaries of such chiefs, subject to the approval of the Board of Directors of the World's Columbian Exposition.

He has power to appoint all subordinates necessary to the proper administration of the several departments, and to fix their compensation.

He may make removals, for cause, of any and all officers and employes appointed by him.

He may, in his discretion and with the consent of the Executive Committee, or Board of Reference and Control of the National Commission, and the Executive Committee of the Local Directory, place two or more of the great departments under the control of one chief, and so continue them until necessity shall require independent chiefs.

The Director-General has power, and it is his duty to commission all such representatives of the Exposition as shall be officially authorized to promote the interests thereof. He has general charge of the installation of all exhibits and the control and management of the same to the closing of the work of the Exposition, through the department chiefs. He has exclusively to do with all exhibitors in their connection with or relation to the Exposition; he has the power to make requisition upon the Director of Works to supply the necessary force and material to install the exhibits, maintain their custody, and protect the interests of exhibitors to the end of the Exposition. In all matters the Director-General is under and subject to the control and direction of the Council of Administration.

The expenses of the Director-General's immediate office, and his clerk hire, are paid out of the Government funds appropriated by the 18th Section of the Act of Congress for paying the expenses of the Commission, and other contingent expenses, and he may select such assistants and clerks as may be necessary to enable him to properly discharge the duties of his office, and fix their salaries, subject to the approval of the Executive Committee, or the Board of Reference and Control.

Private Secretary to the Director-General.—His functions are to attend to the more delicate duties of the Director-General where they require personal contact, and he is the Director-General's confidential secretary and right hand man. The post is filled by Mr. N. E. Dawson who is an expert stenographer. Mr. Dawson was the private secretary of Gen. Grant when he was President and was also his confidential secretary through the days of his final illness until his death.

Secretary to Director-General.—The secretary has charge of all vouchers that pass through the Director-General's hands, and keeps a record of all allotment of space on the grounds.

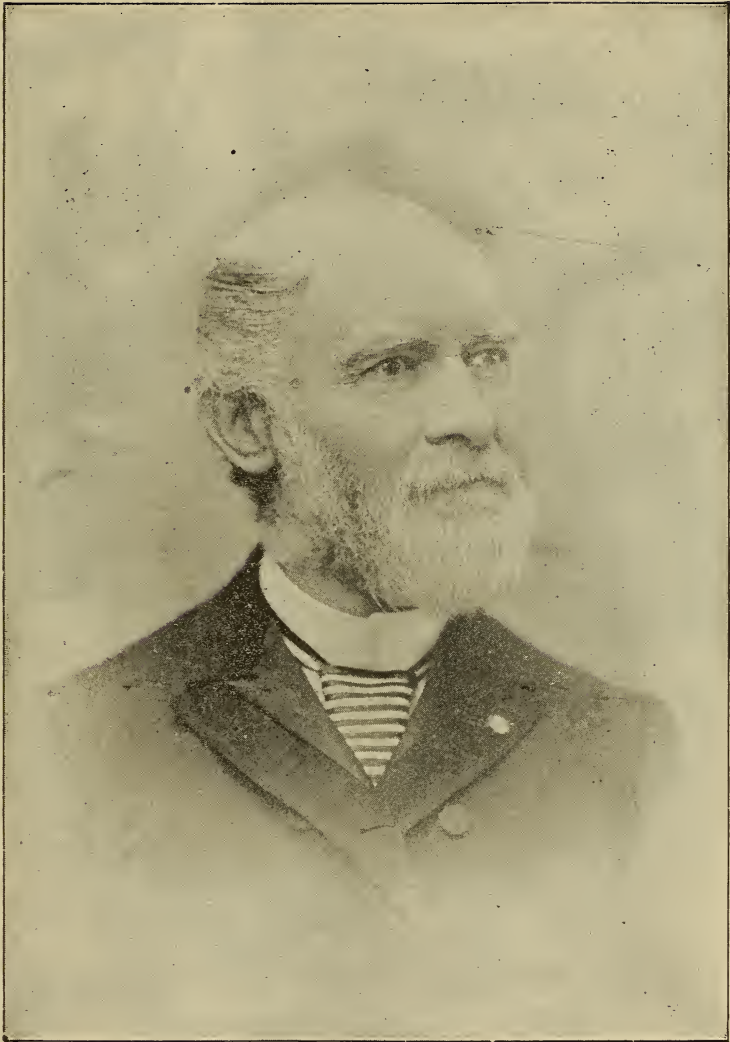
Chief Clerk to Director-General.—This official is the principal aid to the Director-General, and performs all the functions incident to the office of chief clerk.

Secretary of Installation.—This is a part of the office of the Director-General, who has the exclusive charge of installation. The secretary of installation looks after that branch of the work, which consists of formulating all the general rules and regulations governing the Exposition, furnishing applicants for space with blank applications, rules and regulations and printed matter of a general character; to receive all applications, see that they are in proper form, classify and refer them to the department where they are to be installed, keeping a record of same; take charge of all correspondence with parties desiring to make an exhibit until their applications are duly filed and installed in the departments to which they belong. After this is done the chiefs of the departments take charge and continue any correspondence in regard to the same. The secretary also receives reports from the General Manager of Transportation of all cars containing exhibits when they arrive on the grounds; gives instructions as to where each exhibit is to be located, so that the Department of Transportation can deliver them to the building where they are to be installed without any delay, and to perform such other duties as may be assigned to the department by the Director-General.

Sergeant-at-Arms.—This position was created recently by the National Commission and Lieut. R. J. C. Irvine, Eleventh Infantry, U. S. A., was appointed. His duties are the same as those incident to the office of sergeant-at-arms of any large deliberative body. Lieutenant Irvine, prior to his appointment as sergeant-at-arms of the National Commission, was a military attaché of the Director-General's office.

Special Agent Foreign Exhibits.—As an attaché of the Director-General's office, the special agent has the arrangement of the installation of foreign exhibits.

Commissioner-at-Large.—In the fall of 1891, the Exposition company sent a commission (presided over by the commissioner-at-large), to southern Europe. Up to that time neither the people nor the rulers in that region of the world had manifested the slightest interest in the Exposition, but the commissioners appealed to both the potentates and the people, informing them fully of the stupendous undertaking in which this nation had embarked, and after some five months so spent in industriously disseminating all the information available, the most gratifying change of sentiment occurred and the liveliest interest was inspired. Not only did kings and queens respond most encouragingly (speaking alternately in French and German, as



HON. THOMAS B. BRYAN,
COMMISSIONER-AT-LARGE, WORLD'S COLUMBIAN COMMISSION.

they had been addressed), but the Pope, also acknowledging that he was surprised to learn of the grand scale of the international Exposition, promised to contribute generously to its success and did so first by his cordial letter to Commissioner-at-Large Bryan (translated and circulated in many lands), and next by contributing treasures never before permitted to leave the Vatican. The commissioner-at-large has, since that European mission, been incessantly occupied in conducting correspondence, and in multifold office work, delivering lectures and otherwise advancing the interests of the Exposition. It is expected that he will be unintermittently occupied during the Exposition in communicating with and aiding foreign exhibitors, especially those not familiar with our language; also in helping the Director-General and other officers receive visitors, including the thousands of distinguished guests and attendants upon the World's Congresses.

[Thomas B. Bryan was born December 22, 1823, in Alexandria, Va. His father, Hon Daniel Bryan, was a prominent man in Virginia. He represented his district in the State Senate, besides holding other important positions. James and Philip Barbour, his mother's brothers, served in the highest offices of the State, in the United States Senate, United States Supreme Court, and in the Cabinet as Secretary of War. Mr. Bryan was graduated at Harvard University in 1848. While pursuing his college studies he wrote a book in the German language, the aim of which was to make it easy for Germans to acquire the English language. Many editions have been sold, it being pronounced an excellent work. He is also familiar with the French, conversing quite fluently in that tongue. Mr. Bryan married early in life Miss Jennie B. Page, daughter of an Episcopal clergyman. She is spoken of as a most gentle, accomplished and excellent lady. Their wedded life, which has already passed the fortieth anniversary, is very harmonious. After several years' successful practice of his profession in Cincinnati, in partnership with Judge Hart, Mr. Bryan came to Chicago in 1852, where he has been engaged in business up to the present time, with the exception of three years in Colorado, and during his governorship of the District of Columbia. Although Mr. Bryan is a very energetic man he is not ambitious. He has occupied many prominent positions with great credit to himself, and if he had been more eager for fame or political power, he might have been a leading orator, statesman or diplomat. After the death of Bayard Taylor, Mr. Bryan was strongly recommended for his successor as ambassador to Germany, the leading newspapers of the United States uniting in the recommendation. But, when Andrew D. White, of Cornell University, was mentioned for the position, Mr. Bryan encouraged the appointment, gracefully retiring from the field. Mr. Bryan, as vice-president of the World's Columbian Exposition, addressed conventions in many of the States, besides visiting Europe, where he succeeded in overcoming strong prejudices against the Exposition, and in arousing latent forces in its behalf. After his successful efforts at Washington he gained another great victory in the effort to get the consent of the Legislature of the State of Illinois to authorize the city of Chicago to issue \$5,000,000 in bonds for the benefit of the Fair. He was afterward appointed commissioner-at-large. Mr. Bryan is a sound lawyer, being a close student in his profession, and, as a convincing speaker, unusually gifted. His impromptu banquet speeches are always received with great applause, especially when a bit of humor, or an apt quotation, is sandwiched between more sober thoughts.]

CHIEFS OF DEPARTMENTS.

THEIR DUTIES, FUNCTIONS, ASSISTANTS, ETC.

Agriculture.—The work of the chief of this department has consisted in stimulating an interest in the department among State agricultural associations and organizations, agricultural implement people, the brewing industry, the canned goods associations and such other industries as are included in the classification of the Department of Agriculture, guided by his own experience in connection with work of a similar character, in a similar way, and the records of past expositions, and fairs, and other organizations of that kind. He has charge of the Agricultural Building and exhibits; also those of live stock, forestry and dairy products.

Secretary.—The secretary of the Department of Agriculture is the principal assistant to the chief of the department. He also looks after the general work of the Departments of Live Stock and Forestry. Mr. A. B. Hurt, the secretary, is a native of Mississippi, but his home is now at Chattanooga, Tenn., where he is one of the owners of the *Chattanooga Daily News*. Among the public positions he has held are the following: Member of the Mississippi Legislature, superintendent railway adjustments in the postoffice department, doorkeeper-in-chief of the national House of Representatives, and special agent of the United States Department of Agriculture. While holding the latter position he prepared a pamphlet on the agricultural resources of Mississippi, 20,000 copies of which were printed and distributed by the department. He was a commissioner to the New Orleans Exposition, and is at present an alternate commissioner from Tennessee to the World's Columbian Exposition. He has been connected with the Exposition from the very first, having worked for nearly three months at Washington, to secure the location of the Exposition at Chicago.

Horticulture.—This department is divided into three bureaus—floriculture, pomology and viticulture, the whole presided over by a chief whose duties require a general supervision over the Horticultural Hall and accessories and grounds. In this department are a Chief of the Bureau of Floriculture; a superintendent of the Bureau of Pomology; superintendent of the Bureau of Viticulture.

Fisheries.—The chief of this department has charge and general supervision of the exhibit of fish and fisheries.

Mines and Mining.—The chief of this department has charge and general supervision of the Department of Mines, Mining and Metallurgy. In this department are a chief clerk, an expert coal and iron division, an expert machinery division, an expert building and stone division, two mineralogists, a cartographer, superintendent of building.

Chief Clerk.—The chief clerk, in his capacity as first assistant to his chief, has a considerable weight of responsibility in the prominent Department of Mines, Mining and Metallurgy. Both in the long campaign for exhibits, as well as in the laborious task of installation, he has, under the direction of the chief, conducted an extensive correspondence, managed the details and routine business, and acted as general aid. In a special line of work he has been given charge of the exhibit illustrating the Industry of Metallurgy and has directed the formation and arrangement of the display. During the progress of the Exposition, in conjunction with the other officials of the staff, he will attend to the many requirements of exhibitors, tender the hospitalities of the department to the distinguished associations and personages making the Mining Building their headquarters, and gather material for the descriptive and statistical report to be made by the department at the close of the Exposition.

Machinery.—The duties of the chief of this department are an exercise of control and management of the Machinery Building and Annex and the exhibits therein. Soon after his appointment he placed himself in communication with the manufacturers of machinery throughout the United States, opening correspondence with them with a view of getting applications, which he did through the scientific and engineering societies and also by sending out circulars in reference to the exhibit of machinery. By that means he was brought in contact with about 2,000 machinery builders. Invitation of an exhibit of machinery from other countries was made through the means of the representatives of foreign nations.

Transportation Exhibits.—The chief has charge of the department and buildings placed at the disposal of transportation exhibits, and that includes all exhibits relating in any way to the science of transportation, showing the development of it, and divided into railroads, vehicles and marine transportation.

Manufactures.—This department was organized July 21, 1891, and in accordance with instructions from the Director-General the Chief of the Department at once began his work. In a short time upward of 30,000 pieces of mail matter were sent out to every prominent industry and manufacturer, trade journal, organizations and commercial body throughout the United States.

and to many foreign countries, giving information to intending exhibitors, anticipating one of the most complete exhibitions of manufactured products ever presented to the world. The chief has general supervision and control over the exhibits in that part of the Manufactures Building not occupied by the Department of Liberal Arts; also of the Shoe and Leather Building and exhibits.

Electricity.—The chief of this department has the general management and control of the exhibits of electric appliances and apparatus. In this department is also an assistant chief.

Fine Arts.—The chief of this department, soon after his appointment, visited most of the countries of Europe and conferred with the government authorities and directors of art museums, schools, etc., and with the leading artists of this country, resulting in the formation of art commissions which have charge of arts of the various countries. The chief has general supervision and control over the Fine Arts Building and exhibits.

Assistant Chief Fine Arts.—This official's duties have consisted in coöperating with the chief of the department in every possible way in the direction of securing exhibits of the highest degree of excellence from the various art-producing countries of the world, and in installing the exhibits received in the manner deemed most effective and just to artists and visitors to the Exposition. He has been connected with the department since August, 1891. With the chief of the department he visited England, France, Holland and Belgium, and assisted in the work of interesting artists and officials in those countries. Later, he returned to America and conducted the affairs of the department here during the protracted absence of Chief Ives in Europe. He spent several months, at various times, in New York, in organizing the exhibit of American artists.

Liberal Arts.—The chief of this department has general charge and supervision of exhibits pertaining to education, hygiene, sanitation and medical and surgical instruments; all matters of literature, books, physical apparatus; religious and social organizations; matters pertaining to government and law; of commerce and banking; music and instruments of music; civil engineering architecture.

Ethnology.—The chief of this department has general charge and supervision of isolated and collective exhibits of ethnology, archæology and of the progress of labor and invention in the Anthropological Building.

Assistant Chief Ethnology.—Mr. Franz Boas has been connected with the Department of Ethnology the past two years as assistant to the chief, in charge of the section of physical anthropology, and will remain in that department during the Exposition.

Foreign Affairs.—While it has been the duty of the chief of this department to lighten the labors of the Director General and assist co-workers of the various departments in everything connected with the representation of foreign countries, it has also been his task to minister to the wants of the foreign ministers themselves, furnishing them with all requisite information and welcoming them with the cordiality shared by the whole community. To accomplish a satisfactory representation from abroad a regular and systematic correspondence was established, which extended throughout the habitable globe, and embraced names distinguished in science, literature, art and commerce. The work was entirely abroad, and agents were sent to London, Rome, Mexico, South America and other foreign countries to seek general exhibits. The chief's present duties consist of correspondence with any foreign agents or exhibitors, or representatives in charge, and doing all that pertains to foreign matters looking to the closing of affairs.

Secretary Foreign Affairs.—Richard Lee Fearn, the Secretary of the Department of Foreign Affairs, came to Chicago thoroughly equipped for the work required of him by reason of long experience as a Washington newspaper correspondent. Although scarcely over thirty years of age he has, in the opinion of the principal officials of the Exposition, creditably discharged the responsibilities which have devolved upon him on a number of occasions when his brother, the chief of the department, has been called away from his desk, often for weeks at a time. The attractive circulars of information of the department, which contributed so much to making the plan of the Exposition understood abroad, as well as the official labels which were attached to every exhibit which has been brought into the Exposition grounds, were of his design and execution, but his unflagging industry has principally been directed to the routine details of the department and to answering the innumerable questions of visitors which might otherwise have absorbed the entire time of his chief.

Assistant Secretary.—Mr. S. Chapman Simms has filled the position of assistant secretary of the Department of Foreign affairs since the organization of the department. His duties are to look after the correspondence, code of cables and the general care of foreign commissioners on their arrival at the Exposition.

Interpreter.—Lieut. Fletcher S. Bassett, United States Navy, retired, has been with the department only a short while, but has proven himself a valuable assistant. He converses fluently in French, German, Italian, Spanish, and translates other languages.

Latin-American Bureau.—The Latin-American department was organized by William E. Curtis, Chief of the Bureau of the American Republics, at Washington, in the summer of 1890, under the direction of the Committee on Foreign Exhibits of the Exposition, of which Mr. William T. Baker was chairman. Through the influence of the latter gentleman an appropriation of \$100,000 was made to promote the interests of the Exposition in the countries of Latin-America, although only a portion of that sum was expended. At the request of Mr. Baker the President of the United States detailed army and navy officers to act as commissioners for the Exposition to the Latin-American countries. Lieut. A. C. Baker, U. S. N., was sent to Mexico; Lieut. George

P. Scriven, U. S. A., and Capt. Gilbert P. Cotton, U. S. A., to Central America. Lieut. H. R. Lemly, U. S. A., to Colombia; Lieut. Roger Welles, Jr., U. S. N., to Venezuela and the Guiana Colonies; Captain Alexander Rodgers, U. S. A., to Brazil; Dr. D. N. Bertolette, U. S. N., to Paraguay, Uruguay and the Argentine Republic; Lieut. C. H. Harlow, U. S. N., to Chile; Lieut. W. E. Safford, U. S. N., to Peru and Bolivia; Willard P. Tisdell, Esq., to Ecuador, and Fred. A. Ober, Esq., to the West Indies. Mr. Tisdell was afterward made a general commissioner to the countries of South America. Mr. E. D. York was appointed as assistant in the office at Washington. These commissioners remained in the countries to which they were assigned, promoting the interests of the Exposition, for a year or more, and then returned to continue their work at Chicago. Upon the organization of the Department of Foreign Affairs the Latin-American Bureau was placed under its jurisdiction, and Lieut. Roger Welles, Jr., was detailed to take charge of the office in Chicago, Mr. Curtis continuing the work in Washington. In the spring of 1893 the Bureau was removed to Chicago. Mr. Ober, the commissioner to the West Indies, in addition to his propaganda in behalf of the Exposition, was instructed to follow the track of Columbus through the West Indies, and the collection of historical relics and antiquities in the Monastery of La Rabida is largely due to his efforts.

Publicity and Promotion.—The chief of this department has several functions. Primarily and in public estimation the department is a press bureau, but it is not simply that. As indicated by the title it involves the general methods of promotion, not only as to the press, but to other accounts. It is divided into two parts: publicity as affected by relation to and through the press, and publicity and promotion as affected through other channels. Advertising through lithographs, pamphlets, books, news slips, the furnishing of news to newspapers and all classes of press associations; also advertising through posters and circulars and other methods. Early in the work letters and news items were sent to newspapers and magazines all over the world containing facts in regard to the Exposition interesting enough to be printed without pay, and that work has been kept up. Beside provision was made for furnishing news of the Exposition to every newspaper of the local press, the Associated Press, United Press, or any paper having a resident correspondent, a room having been specially set apart for that purpose, where each day the news was put on labeled hooks for the respective newspapers and press associations. In another room was kept a general bureau of information of the Exposition. All office supplies, such as stationery, pens, pencils, writing paper, etc., comes through this department. An important branch of the work of this department was entered upon late in January, when regulations for the publication of the official catalogue were promulgated, and the work of collecting the material and preparing it for publication was placed in the chief's hands. Nearly all the kinds of work done in the past will be kept up during the Exposition period. The chief of this department has charge of all arrangements for looking after members of the press. Newspaper headquarters are in the Administration Building. Three floors of the northwest pavilion have been reserved for this purpose. One for the department offices, one for the local press, and one for press associations, foreign newspapers and file rooms. It is impossible to give separate rooms even to the leading newspapers of the country, but desk room is abundant, typewriting machines are at hand, and there are separate rooms for those great newspapers of Chicago and other cities which have regular staffs on duty. In regard to the extension of courtesies to newspaper men the department has recommended that a most liberal policy be adopted. This contemplates the issue of three kinds of tickets of free admission on account of the press; first a complimentary engraved invitation for journalists of distinction and the editors of the great newspapers of the world; second, season or term tickets for men who come here to work; and third, single admissions for transient visitors. It is as much to the interest of the press as of the Exposition that these privileges shall not be abused, and care therefore is taken not to extend such courtesies to any persons not fully accredited and identified. In this department there is a large staff of editorial writers and translators, besides other employés.

Chief Clerk of Publicity and Promotion.—James P. Holland, chief clerk of the department and superintendent of the Bureau of Information, is a journalist, having been connected with the Chicago press for several years. When Major Handy was appointed chief of the department in December, 1891, Mr. Holland was the first member of his staff secured. In the subsequent organization of the department, more especially in regard to the details on which the department had worked, the chief has been assisted materially by the chief clerk. In the early days of the department many of the descriptive news letters which found wide publicity through the press were prepared by Mr. Holland, but as the work of the department developed his time became fully occupied with executive duty in his capacity as chief clerk. During the six months immediately preceding the opening of the Exposition when the work of the department multiplied in every direction, Mr. Holland has had many demands made upon his time. His unflinching courtesy to one and all, in the face of the most trying circumstances, has become proverbial among all departments of the Exposition, and he seems to be looked upon, not only in the light of superintendent of the Bureau of Information but as an encyclopædia of Exposition matters.



HARLOW N. HIGINBOTHAM,
PRESIDENT WORLD'S COLUMBIAN EXPOSITION.

WORLD'S COLUMBIAN EXPOSITION.

The World's Columbian Exposition is a corporation organized and existing under the laws of the State of Illinois (licensed April 9, 1880), its object being "The holding of an International Exposition or World's Fair in the city of Chicago, in the State of Illinois, to commemorate on its four hundredth anniversary the discovery of America." The capital stock of the Exposition is \$10,000,000, of which \$6,000,000 is subscribed, the stockholders numbering over 30,000, nearly all of whom are residents of the city of Chicago.

The government and control of the corporation is vested in a board of forty-five directors, chosen annually at the meeting of the stockholders.

The Act of Congress providing for the Exposition required the corporation to prepare the plans for the Exposition, and the rules and regulations governing rates of entrance, admission fees, and otherwise affecting the rights, privileges and interests of exhibitors or the public, subject to modification by a majority of the members of the World's Columbian Commission.

Under the terms of the act as above mentioned, it has been the province of the corporation to select a site for the Exposition, prepare plans and specifications for the same, construct the buildings and prepare the grounds in a manner suitable for the holding of an International Exposition.

In addition to the above duties, the Board of Directors of the Exposition, under an agreement with the World's Columbian Commission, adopted by both bodies in November, 1890, supplies the necessary funds for carrying on the fifteen great departments under the Director-General, and exercises supervision over said departments with a view to ascertaining that the funds so provided are properly and judiciously expended for the purposes of the Exposition. For the purpose of carrying on its business the Board of Directors elects each year a president, two vice-presidents, secretary, treasurer and auditor, and certain committees, as enumerated below, are appointed by the president.

Commissioners From the States and Territories.—In nearly all cases the State Boards of Commissioners were appointed by the governors in conformity with acts of the legislatures of the respective States. These boards assumed such executive powers and functions as were necessary to secure complete and creditable displays of the various interests of their respective States, by having personal charge of the solicitation, collection, transportation, arrangement and exhibition of the objects sent by associations and individual citizens of the States, such as the natural and industrial products, objects illustrating the history, progress and moral and material welfare and future development. These boards generally are required to make reports of their proceedings and expenditures from time to time to their governors. The commissioners from the Territories are in all cases appointed by the governors, respectively, and their duties and powers are the same as those from the States.

President.—The president of the World's Columbian Exposition is Mr. Harlow N. Higinbotham, one of the members of the firm of Marshall Field & Co. He is the executive officer of the corporation and the active agent for the accomplishment of the purposes for which it was formed. All contracts binding upon the corporation and upon which money is expended from the treasury are executed by him. He is *ex-officio* a member of all committees of the board, and is chairman of its Executive Committee, which exercises all the functions of the Board when the latter is not in session. Mr. Higinbotham is also chairman of the Council of Administration, a body composed of two members of the Board of Directors and two members of the World's Columbian Commission organized for the purpose of concentrating the jurisdiction of both bodies in order to more effectively administer the affairs of the enterprise. (*See Council of Administration.*)

[Harlow Niles Higinbotham was born in Joliet, Ill., Oct. 10, 1838. He attended school in a little log cabin until he began business for himself at the age of twenty, in the crockery line. He came to Chicago in 1860, and entered the employ of Cooley, Farwell & Co., where he remained for a short time. He enlisted in the Morgan Guards at the beginning of the late war, and went through the campaigns in Virginia and Tennessee. Returning after the close of the war he again entered the firm of Cooley & Leiter, which was afterward, Field, Leiter & Co., and now Marshall Field & Co., where he has been ever since, having been admitted to the firm in 1880. Mr. Higinbotham, from the inception of the enterprise was a working member of the two most important committees of the corporation, those on Finance, and Ways and Means. He contributed without stint his time and services when the fortunes of the Exposition were so critical that the committees were required to be in almost continuous session. Mr. Higinbotham's unanimous election as president was followed by his appointment to membership and the chairmanship of the Council of Administration, a body created to be representative of the supreme power vested in both the national commission and the directory of the corporation. The duties of these combined stations demand the constant attention of their incumbent, and that Mr. Higinbotham should give this is a contribution whose value can not be overestimated. His characteristics are clearness of perception, directness of method, steadiness of application, and promptitude in decision. These form an equipment which constitute a model man of affairs, and such is Mr. Higinbotham. His success in life has been the outcome of work and thought, not speculative fortune. The destinies of the Exposition could not be entrusted to a more capable and trustworthy guardian.]

Vice-Presidents.—The first and second vice-presidents are, respectively, Mr. Ferdinand W. Peck and Mr. Robert A. Waller, the former being also the chairman of the Committee on Finance, and the latter a member of the Committee on Ways and Means and of the Insurance Auxiliary Committee, which attends to the placing of insurance upon the Exposition buildings and the exhibits contained therein.

[Ferdinand Wythe Peck, the son of Phillip F. W. and Mary Kent Peck, was born in Chicago in 1848, and is the youngest of seven brothers, three of whom still survive and are known among the foremost in public spirit and enterprise of Chicago's sons. At the time of his birth the Peck mansion and grounds occupied the site now covered by the Grand Pacific Hotel, and the city as those of the present day know it was but a dream of the enthusiast. He was educated in Chicago, graduating successfully from the High School, the Old University, and the Union College of Law, and received his diploma from the latter institution while yet a minor. Mr. Peck was admitted to the bar coincidentally with the attainment of his twenty-first year. He has never engaged actively in the practice of that profession, but in his supervision of large and intricate affairs has found the value of that training which Daniel Webster said was essential to the formation of a man of business. Mr. Peck from his first entrance upon the sphere of manhood has given largely of his time, talents, and influence to the furtherance of measures looking to the development and improvement of his native city. He has been prominently connected with most of the enterprises which have contributed to the renown of Chicago. The magnitude of his private interests has not detained him from active participation in public matters, and the value of his alert mind and untiring energy has been recognized by the community in the frequency with which he has been called to leadership. From the earliest agitation of the project for a Columbian celebration, Mr. Peck has been an indefatigable champion of the scheme, and has labored incessantly to ward the achievement of the results which now challenge the admiration of the world. One of the seven original incorporators of the company upon whose charter the whole superstructure of the Exposition was based, Mr. Peck is now first vice-president of the corporation; also a member, on the part of the directory, of the Board of Reference and Control, and of the Bureau of Admission and Collection; besides exercising the arduous functions of chairman of the Committee on Finance. Among other claims upon his busy life which signify the estimation in which his administrative capacity is held, he is now the incumbent of the following positions:

President of the Chicago Athenæum; president of the Auditorium Association; president of the Chicago Opera Festival Association; trustee of the New Chicago University; vice-president of the Illinois Humane Society; President of the Union League Club. Mr. Peck has also served for four years as a member and vice-president of the Board of Education.

The work which, perhaps, most worthily interprets and emphasizes the ardor and resolution with which Mr. Peck carries his plans to accomplishment, is the vast and magnificent Auditorium building. For while many others contributed moral and financial support to the undertaking, the idea originated with him, and to his persistent labors and dauntless disregard of obstacles the costly structure is a worthy monument.

Mr. Peck has not sacrificed to business, or to the public welfare, his natural taste for domestic and social enjoyments. He was married in 1872 to Miss Tilla, daughter of W. A. Spaulding of Chicago, and has an interesting family of four sons and two daughters. His recreations are found in those refined pleasures which adorn and elevate the home circle, and his love of music is as near a passion as a well-regulated mind permits.]

Secretary.—The Secretary, Mr. Howard O. Edmonds, is the custodian of the records of the board and of its committees and of the corporate seal. He attests all contracts binding the corporation, issues certificates for the paid up shares of the capital stock and the bonds to the amount of \$5,000,000, authorized by the board.

[Howard O. Edmonds, Secretary of the World's Columbian Exposition, is the youngest of the officers of the enterprise. He is a Pennsylvanian by birth, and is twenty-eight years of age. He served four years on the staff of the *Evening-Star*, of Washington, D. C., and was subsequently private secretary to Assistant Postmaster General Whitfield, during the first portion of the Harrison administration. This position he resigned in order to accept a similar one with the Hon. Benjamin Butterworth when the latter became secretary of the World's Columbian Exposition, and in April, 1892, when Mr. Butterworth declined to serve another term as secretary, Mr. Edmonds was elected to succeed him. He has the custody of the records of the corporation, the issue of stock certificates, bonds, etc. Mr. Edmonds is a member of the Illinois bar.]

Assistant Secretary.—The assistant secretary, Samuel A. Crawford, is the secretary of the Committee on Ways and Means, and acts in the absence of the secretary.

These four officers, president, two vice-presidents and secretary, constitute what is known as the Executive Department of the World's Columbian Exposition, the function of which is to carry out and into effect the instructions from the Board of Directors, or the committees thereof, in matters within their jurisdiction.

Treasurer.—The treasurer, Mr. Anthony F. Seeberger, performs the duties incident to the office of treasurer in all corporations. He is required to keep and account for all moneys, funds and other property of the company coming into his hands, which consists of the payments upon stock subscriptions, the proceeds of City of Chicago bonds in aid of the Exposition, the proceeds of Exposition six per cent. debenture bonds, the proceeds of the appropriation of Columbian souvenir half-dollars and the receipts from percentages paid by concessionaires, the receipts from gate admissions, etc. It is estimated that from the organization of the corporation to the

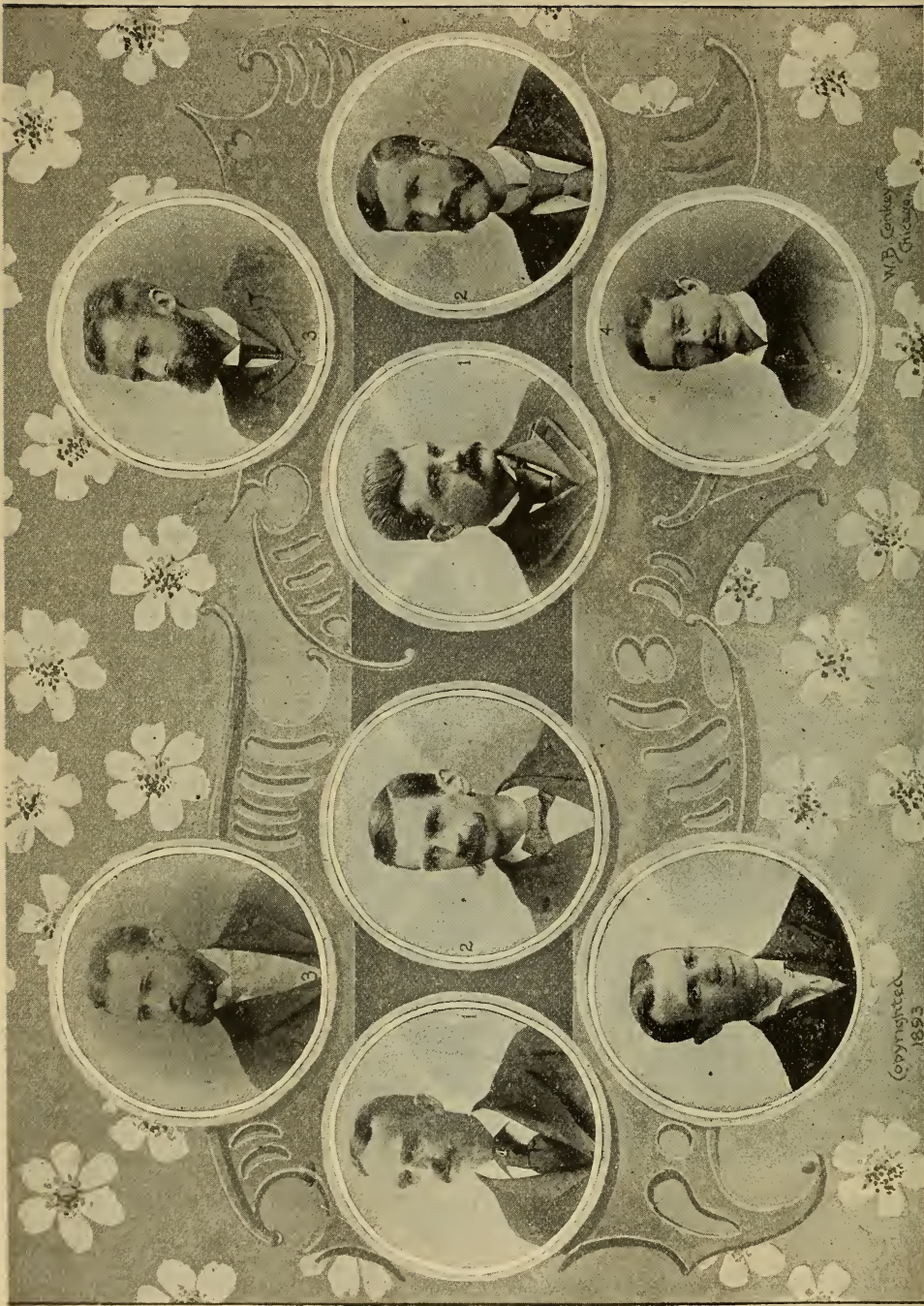


OFFICERS OF THE WORLD'S CONGRESS AUXILIARY.

- 1. THOMAS B. BRYAN,
Vice-President.
- 2. LYMAN J. GAGE,
Treasurer.
- 4. CHARLES C. BONNEY,
President.
- 3. BENJAMIN BUTTERWORTH,
Secretary.
- 5. C. E. YOUNG,
Secretary.

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OFFICERS OF BUREAU OF ADMISSIONS AND COLLECTIONS.

- 1. HORACE TUCKER, *Supl. of Admissions.*
- 2. PAUL BLACKMAR, *Supl. of Collections.*
- 3. E. A. FELDER, *Asst. Supl. of Admissions.*
- 4. WM. E. CASH, *Asst. Supl. of Collections.*

LAW DEPARTMENT WORLD'S COLUMBIAN EXPOSITION.

- 1. W. H. CARLISLE, *Attorney.*
- 2. JOSEPH CUMMINS, *Attorney Ways and Means Committee.*
- 3. GEO. PACKARD, *Asst. Attorney.*
- 4. CHAS. H. BALDWIN, *Asst. Attorney.*

close of the Exposition, October 30, 1893, the treasurer will have received in round numbers \$35,000,000 from all sources, and will have paid out for the preparation and operation of the Exposition from \$22,500,000 to \$23,000,000.

Auditor.—The auditor, Mr. William K. Ackerman, has charge of the principal books of account of the company and exercises general supervision over the accounts of the various departments. He is the custodian of the property of the corporation and keeps an inventory of the same and is required to examine, from time to time, the books, papers and accounts of the treasurer.

Executive Committee.—The Executive Committee is composed of the president, vice-presidents, and ex-presidents of the Board of Directors, together with the chairman of each of the standing committees which chairmen are appointed by the president. The Executive Committee meets regularly once a week and as much oftener as the business of the corporation requires. It has the power to manage and direct the affairs of the company in all matters except as otherwise directed in the by-laws.

STANDING COMMITTEES.

In addition to the Executive Committee the committees of the board are:

Committee on Finance.—Consisting of five members, having jurisdiction in all matters pertaining to the financial management of the company, of accounts, salaries and appropriations.

Committee on Legislation.—Consisting of five members, having jurisdiction in all matters pertaining to Federal, State and municipal legislation, legal matters, arbitration, litigation, and the employment of counsel and solicitors.

Committee on Ways and Means.—Consisting of thirteen members, having charge of raising money through subscriptions to the capital stock, or otherwise, collections due on subscriptions, fixing prices for admission, negotiation of contracts for concessions, privileges, and things pertaining thereto, to deciding upon the scope thereof, subject to the approval of the Board of Directors.

Committee on Grounds and Buildings.—Consisting of seven members.

Committee on Agriculture.—Consisting of five members.

Committee on Mines and Mining.—Consisting of five members.

Committee on Press and Printing.—Consisting of five members.

Committee on Transportation.—Consisting of five members.

Committee on Fine Arts.—Consisting of five members.

Committee on Liberal Arts.—Consisting of five members.

Committee on Electricity, Electrical and Pneumatic Appliances.—Consisting of five members.

Committee on Manufactures and Machinery.—Consisting of five members.

Committee on Foreign Exhibits.—Consisting of five members.

The committees have jurisdiction of such matters as are, from time to time, referred to them by the Board of Directors or the Executive Committee, the object of the creation being to provide the necessary means for exercising proper supervision over the expenditures of moneys of the corporation by the corresponding departments under the Director-General.

Law Department.—The Law Department is composed of an attorney, William K. Carlisle, and two assistant attorneys, George Packard and Charles H. Baldwin, the latter being detailed for duty in the Department of Works upon the grounds. In addition to these, the Committee on Ways and Means has as its attorney, Mr. Joseph Cummins, who prepares all contracts for concessions, etc., and is the legal advisor of said committee in all matters pertaining to the affairs committed to it by the by-laws of the corporation. The Law Department is under the supervision of the Committee on Legislation, the chairman of which, Director Edwin Walker, renders service as the legal advisor of the corporation in matters of weight continually arising in the course of the work. All contracts of the corporation covering the purchase of material, construction operations, or for privileges and concessions during the Exposition period, are supervised by the attorney and receive his approval before being executed by the officers of the corporation.

COUNCIL OF ADMINISTRATION.

The Council of Administration is the center of authority for the administration of the Exposition. This body has absolute and final jurisdiction and control over all matters of general administration of the Exposition and the employment of all agencies necessary thereto, except that it can not expend the moneys of the World's Columbian Exposition in other than such amounts as are specifically appropriated for the use of the council by the Board of Directors or its Executive Committee; nor can it expend any moneys appropriated by Congress on account of the World's Columbian Commission, unless expressly authorized to do so by the Commission or its Board of Control. The Council is composed of two members of the Board of Directors of the World's Columbian Exposition, appointed by said Board, and two members of the Board of Control of the World's Columbian Commission, chosen by that body. The Council of Administration was created by an agreement drawn up by the joint board of Reference and Control of the Commission and Exposition, August 18, 1892, in a conference called for the purpose of providing for the general administration of the Exposition and the installation of exhibits. By the terms of this agreement the Director-General, who is an officer of the World's Columbian Commission, and the Director of Works, who is an officer of the World's Columbian Exposition, together with the entire forces under their control, were placed under and subject to the control and direction of the council. The members of the council are H. N. Higinbotham, Chairman, and Charles H. Schwab for the World's Columbian Exposition, and George V. Massey and J. W. St. Clair for the World's Columbian Commission.

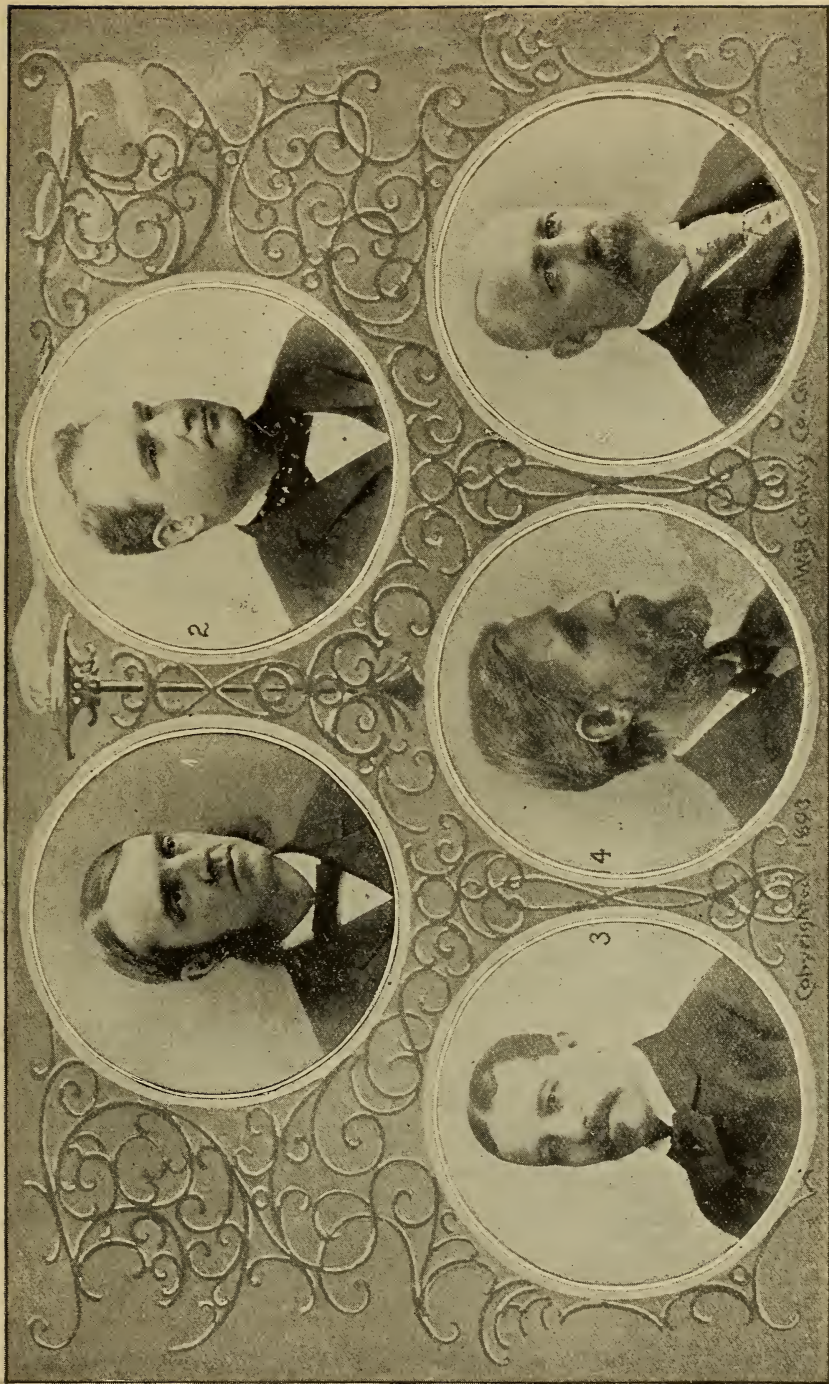
By means of the agreement creating the Council of Administration the powers and duties conferred by law upon the two great organizations connected with the Exposition enterprise were concentrated in this body, and it has control upon the one hand of the great departments organized under the Director-General for dealing with exhibitors and the representatives of foreign nations, and on the other hand of the forces organized under the Director of Works for the physical operation of the Exposition. The council transacts its business mainly through these two officers.

Bureau of Admissions and Collections.—The Bureau of Admissions and Collections was created by a rule adopted by the Board of Directors of the World's Columbian Exposition and approved by the World's Columbian Commission in November, 1892. It consists of the president, treasurer and auditor and the chairman of the Committees on Ways and Means and Finance of the World's Columbian Exposition. The chairman of the Committee on Ways and Means is also the chairman of the bureau.

The work of the bureau is divided into a Department of Admissions, which has charge of the gates, the selling of tickets of admission, the collection of the same and rendering of gate receipts into the treasury; and a Department of Collections, which has charge of the auditing of all concessions within the Exposition grounds and the settlement between concessionaires and the Exposition for the percentages due the latter. The Department of Collections also has charge of the collection of all sums due the Exposition from exhibitors, State World's Fair Boards and others.

Department of Admissions.—This department is under the charge of Mr. Horace Tucker, as superintendent, who appoints all ticket sellers and collectors of tickets at the entrances to the Exposition and at offices located in the city along the lines of railroads and upon the pier at Van Buren street and at the Exposition grounds. He has also the control and issuance of complimentary cards of admission, photographic pass books, passes, etc., and maintains a complete record of all admissions. The service in the Department of Admissions requires in all about 400 men. The ticket sellers and collectors are so organized that three reliefs daily are made, making the service average to each man eight hours per day. The office of the superintendent is located in the grounds of the Exposition, near the Sixty-second street entrance. In addition to the ticket sellers and collectors an organized force has been provided to promptly furnish to the heads of departments the requisite information daily required in the shape of reports. All ticket sellers and collectors are under bond to the department, as well as to the treasurer, for all tickets and money received.

The arrangement of the ticket booths and entrances at all points on the ground are of such a character and number that visitors will not be delayed. Altogether there are 326 turnstiles, 97 ticket-booths, 182 ticket windows and 172 exit gates. At the most conservative estimate the entrances are considered capable of admitting 2,000 people each an hour, which gives a total admission capacity of 500,000 an hour if the attendance could be distributed equally at all the gates. As it is the great crowds concentrated at the most prominent entrances are able to pass as rapidly as the transportation lines can bring them.



COUNCIL OF ADMINISTRATION WORLD'S COLUMBIAN EXPOSITION.

1. GEO. V. MASSEY,
National Commissioner from Delaware.
2. J. W. ST. CLAIR,
National Commissioner from West Virginia.
3. CHAS. H. SCHWAB,
Director World's Columbian Exposition.
4. H. N. HOUSTON,
President World's Columbian Exposition.
5. A. W. SAWYER,
Secretary.

WEBB CONLEY CO. CHICAGO

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The entrance facilities provided are as follows:

ENTRANCES.	Turnstiles.	Ticket Booths.	Ticket Windows.	Exit Gates.
<i>North End.</i>				
Cornell avenue.....	4	2	4	4
Fifty-seventh street.....	18	6	12	6
Fifty-ninth street.....	6	2	4	6
Totals.....	28	10	20	16
<i>South End.</i>				
Sixtieth street.....	12	6	12	6
Sixty-second street.....	10	4	8	6
Sixty-fourth street.....	10	4	8	6
Woodlawn avenue.....	2	1	2	2
Southwest corner park.....	2	1	2	2
Palmer avenue.....	1	1	1	1
Totals.....	37	17	33	23
<i>Midway Plaisance.</i>				
Madison avenue (N).....	2	1	1	1
Woodlawn avenue (N).....	2	1	1	1
Cottage Grove avenue.....	10	6	12	6
Woodlawn avenue (south).....	1	1	1	1
Madison avenue.....	1	1	1	1
Totals.....	16	10	16	10
Terminal station.....	96	13	26	.....
Elevated railroad.....	16	4	8	.....
Intramural.....	.....	4	8	.....
<i>Steamer Landings.</i>				
Casino pier.....	100	10	20	100
Naval pier.....	6	1	2	4
Totals.....	106	11	22	104
Grand totals.....	187	48	91	153

The gate device is a new invention. It is of the ordinary turnstile pattern, except that the ticket dropped into a slot on one side releases the turnstile on the other side of the incomer and registers by an automatic arrangement. The man in charge has no duty except to see that the proper coupon or ticket is dropped. The exits are independent of the entrances and so relieve the crowd around the gates. When the ticket is deposited it is chopped with an automatic cutter that takes three big sections out of one side of the ticket and two out of the other, preventing any further use of the ticket.

Contracts were let for furnishing 35,000,000 admission tickets. Of these 5,000,000 were lithographed, and of such elaborate workmanship that counterfeiting them will be next to impossible. These were designed to meet the advance orders for tickets, and they will be good whenever presented at the gates. The remaining 30,000,000 are simply printed after the style of an ordinary railroad ticket. These tickets are not all alike, and a different style will be used each day. They will be good only on the day on which they are sold, and will not be offered to the public in advance of that day. The entire issue can be changed at any hour of the day if it should be found necessary. Thousands of complimentary cards and passes had to be issued. The list includes the high officials of the government, the diplomatic corps, governors, Exposition commissioners, directors, lady managers, exhibitors, employes, members of the press, etc. Nearly all of the passes have affixed the photograph of the holder to prevent their being transferred.

To facilitate the sale of tickets so that visitors can avoid delay at the gates if they desire, Superintendent Tucker arranged with the principal down-town hotels, merchants, railroad and boat lines to establish branch ticket offices, and tickets are on sale at numerous convenient places.

The passes are composed of coupon-books. The front cover bears the Exposition's corporate title, while below it are inscribed the holder's name, the account for which it is issued, the department to which it is charged, and Mr. Tucker's signature. Inside on the cover is an engraved circle containing the owner's photograph. On the outside of the back cover is a vignette of Columbus, following the design on the souvenir coin. The coupons bear successive dates in heavy black letters, beginning with May 1 and closing with October 30. On each is stamped: "Not good if detached." In addition to those good throughout the season, there are books good for individual months for such as need them for a given month only. Then there are complimentary cards of exceptionally fine design for guests of distinction such as the President of the United States, members of the cabinet, etc. When the owner of a complimentary ticket passes the gate he will drop his individual card in the collector's box, so the turnstile can be opened.

A charge of \$1 is made for each coupon-book issued, to cover the cost of the book and the leather envelope which goes with it. In addition, special badges are issued to exhibitors and their employes, for which a deposit of \$2 is required as a guaranty that the badge will be returned.

Department of Collections.—The Department of Collections has charge of the collection of all moneys which may become due the World's Columbian Exposition on account of privileges or concessions; also the collection of all moneys due from exhibitors and State World's Fair Boards. This department is under the charge of Mr. Paul Blackmar, as superintendent, and Mr. W. E. Cash, assistant superintendent. Contracts for privileges or concessions upon the Exposition grounds number considerably over 200, and include the special attractions located upon Midway Plaisance, such as the German Village, the Irish Villages, the Ferris Wheel, the Libbey Glass Company, the Cycloramas, etc.; also the restaurants located on various parts of the grounds; the Elevated Intramural Electric Railway; steam and electric launches and gondolas upon the lagoons and adjacent waters of the lake; wheel chairs and booths; for the sale of articles of consumption and interesting curiosities, mementoes and souvenirs. The work of this department includes not only the collecting of the percentage of the Exposition Company from concessionaires, but involves the creation of systems to protect concessionaires so that they may receive the full proceeds of all goods sold, protecting them against fraud on the part of customers or their own employes. The department has created ninety-five per cent. of the systems of collection from customers, which is in use upon the grounds. There are about 3,500 stations or places where money is received within the grounds. This department undertakes to supervise or control the receipt of money at all these places, and the accounting for it to the concessionaires, and afterward accounting for the percentage due the Exposition Company from the concessionaires. The employes number nearly five hundred.

Director-General.—For duties and functions of the Director-General and department chiefs under him, see "World's Columbian Commission."

Director of Works.—Daniel H. Burnham, Director of Works, was born in Henderson, N. Y., 1864. In 1855 his parents moved to Chicago, where Mr. Burnham has since lived, with the exception of two years spent in study in the East, and one year which, as a young man, he spent in the activity of camp and mining life in Nevada. Upon his return to Chicago, he at once resumed his architectural studies, forming a partnership with the late John W. Root in 1873, since which time he has been continuously engaged in the practice of his profession. Mr. Burnham's connection with the Exposition commenced shortly after Chicago had been selected as its site, he and Mr. Root working up numerous preliminary plans in the early summer of 1890. September 2d, of the same year, they were appointed as consulting architects, acting jointly, however, in this capacity for but a few weeks, Mr. Burnham having been made chief of construction in October, 1890, and Mr. Root remaining as consulting architect. The plan finally adopted, after much discussion, for the selection of architects to design the buildings of the Exposition, was Mr. Burnham's, and upon him devolved the duty of securing the services of the various men. This very important function having been successfully carried out under the most trying circumstances (for it was during these days which required the most steady hand at the helm that Mr. Burnham lost by death his partner and boyhood friend), further organization of the work proceeded by the formulation of an active working corps. He was most fortunate in his selection of his immediate staff, notwithstanding the fact that the pressure of time did not warrant the deliberation in picking his lieutenants which, under the circumstances would have seemed necessary, but which, as results have shown, could not have been more successful. Mr. Burnham has been called upon since the commencement of his work to assume, by reason of death and resignation, in addition to his other heavy duties, those of Consulting Architect, Chief Engineer and General Manager of the Mechanical and Electrical Work (these being the two greatest plants of their character ever brought into successful operation, throughout the entire work he has sacrificed to the Exposition his own personal interest and given his time almost unreservedly to this work, making his headquarters at Jackson Park in the very heart of the activity. He has been most intimately and directly associated with each of the many problems arising and necessary of solution before the completion of the work was assured. He has had from the beginning of the work, the general charge of the construction of buildings and supervision of the business thereof, the preparation of the grounds and engineering incident to a proper prosecution of the entire work. He has had the supervision of the buildings erected by outside parties and the maintenance of all buildings belonging to the Exposition. He has been required to examine all bids and propositions for work under his control, and to organize bureaus of architecture, engineering, landscape gardening, sanitation; to hire and dismiss all employes in his department, and fix, subject to approval, the compensation for their services. He has the employment (subject to the approval or confirmation of the Council of Administration) and general charge of all the working forces within the grounds of the Exposition necessary to the maintenance of order, the protection of property from fire or other destructive elements, to supply heat, power, light, water and sewerage, the care of the grounds and all service necessary to the practical administration of the Exposition inside the grounds.

Assistant-Director of Works.—Mr. E. R. Graham, the assistant director of works, is the practical representative of the director of works and acts in his absence.

Mechanical Engineer.—Mr. Charles F. Foster, the mechanical engineer, has control of the power plant, which numbers over thirty engines.

Electrical Engineer.—Mr. R. H. Pierce, the electrical engineer, has charge of the entire electrical power on the grounds.



D. H. BURNHAM,
DIRECTOR OF WORKS, WORLD'S COLUMBIAN EXPOSITION.

Secretary of Works.—The secretary of works has charge of records, correspondence, etc., of the Department of Works, and in a general way performs all the duties incident to the office of a secretary.

Landscape Architects.—The advice of the landscape architects was first asked in July, 1890, when the project of the Exposition could be no more exactly defined than by the statement that it was to be of a character generally similar to that of previous World's Fairs, but on a somewhat larger scale than the largest of them had been. Only the purposes and dimensions could be stated of a few of the larger Exposition buildings. From this point the scheme was developed very gradually, additional buildings requiring to be introduced, and buildings early contemplated requiring to be eliminated, from time to time, until within a month of the opening ceremony. Hence it was necessary that the primary plan should have an elastic quality, admitting much adjustment, as the project developed. Such a primary plan was submitted by the landscape architects and adopted by the National Commission in December, 1890. Since that time it has been the duty of the landscape architects, first, to devise adjustments of the primary plan by which it would be fitted to innumerable requirements, as from week to week occasion for them was presented; secondly, to prepare detailed and working plans for carrying out such parts of the general plan as have not come within the functions of the architects, engineers and other technical departments; thirdly, to specify the material and direct the operation required for the carrying out of these plans, more especially those pertaining to the modeling of the surface, the outlining of the terraces and shores; the construction of the roads and walks, and the forming of the plantations and landscape decorations. They have also planned the provisions for boating and for stocking the lagoons with water fowl, and have been in consultation with the architects and engineers in respect to innumerable adjustments of their work to the requirements of the general landscape design.

Director of Decoration.—At the date of his appointment, June 1, 1892, Mr. F. D. Millet found his predecessor had given out by contract the painting and glazing of the buildings already built or in course of construction. After a month or more spent in the study of the roofs and general mechanical painting, he contracted with various persons to paint the buildings, decorate the domes, and for the production of statuary—such as the quadriga for the water-gate; bulls and horses, with attendant men, to occupy the pedestals at the landings of the Grand Court; Neptune for the rostral columns; figures for the Peristyle and for the hemicycle of the Electricity Building, and for the decoration of the galleries of the Fine Arts Building. In October Mr. Millet decided that a painting machine could be used to great advantage in doing the mechanical painting of the interiors, on account of the great amount of rough timber used in the construction, and the great quantity of bridging. After a few experiments, work was begun in the Agricultural Building, by the use of a Turner air-compressor, run by an electric motor. The great saving of time by the use of this machine warranted the acquisition of more of the same kind, and several of these machines were purchased immediately. That Mr. Millet's decision in this respect was a wise one has been proven, inasmuch as the painting of the interiors (the magnitude of which has never been equaled) was completed very much sooner than was expected, and at figures much lower than the closest estimates. The dedicatory ceremonies demoralized the work of this department to a serious degree, because the time in which the decorations had to be made was so short that the entire force had to be detailed for this work and great expense incurred. Early in December, Mr. Millet organized the drapery department, for the manufacture of skylight shades, awnings, flags, banners, etc. In addition to the regular work of the department, the director of decoration superintended the repairing of the roofs of the Exposition buildings. The working force of this department comprises house painters, glaziers, fresco painters, sign painters, machinists, tin-smiths, roofers, engineers, laborers, sailmakers, upholsterers and sewing-women. In the supervision of both decorative and mechanical painting, sculpture work, manufacture of flags, awnings, shades and banners, and also guarding the many pleasing effects he has contrived to bring about, to see that the beauty thereof is not marred by the location of some unimportant structure, or else by a harlequin decoration, the director of decoration finds something with which to busy himself at all times.

General Manager of Transportation.—Shortly after the appointment of Mr. D. H. Burnham, as Chief of Construction, in October, 1890, he organized the Bureau of Railroads with Mr. E. G. Nourse, Engineer of Railroads at its head. The first problem was to lay a railroad track into the grounds, from the Illinois Central Railroad, the only railroad then adjacent to the park. This track was laid across the Midway Plaisance into the southern part of the park where a yard was laid out; into this yard all the construction material was shipped, first over the Illinois Central Railroad alone, and afterward over that and the Baltimore & Ohio Railway, which company laid two tracks up to the south end of the park. Tracks were laid from this yard to each of the large buildings and elsewhere, which tracks were shifted around or taken up and relaid as the exigencies of the case required; in all nineteen miles of such track were laid and 31,371 cars of construction material had come in over these tracks up to April 1, 1893.

The next problem was the consideration of a passenger terminal. This proved a very vexatious problem. Many different solutions were involved by the Bureau of Railroads. Suggestions were made by many railroad officials and other people who took an interest in the matter. Mr. Baker, President of the World's Columbian Exposition, at about this time, December 15, 1891, obtained the services of Mr. W. H. Holcomb, a veteran railroad manager, as his assista in this matter, and he and Mr. Nourse labored together from this time on. Many conferences were held with the various railroads centering in Chicago. In the meantime the necessity of

enlarging Machinery Hall and the construction of other buildings not at first contemplated largely circumscribed the possibilities of the case, so that finally the present system was settled upon by the parties in interest as the best that could be done under the circumstances. At this time Mr. Holcomb was made General Manager of Transportation under Mr. Burnham, and Mr. Nourse became his assistant.

The next problem was the installation of exhibits. To the Transportation Department was now assigned the duty of unloading the exhibits and placing them on or adjacent to the spaces they occupy in the various buildings.

For the completion of this undertaking certain tracks were laid in and around the buildings. About ten miles only of these tracks could be laid, and already the department has been compelled to suffer the loss of quite a portion of these tracks.

In the meantime the present terminal system was pushed to completion, and the terminal tracks proper were used as team tracks for the unloading of exhibits. There are in the terminal seventeen miles of track, and thirty-five tracks upon which passenger trains can be loaded or unloaded at once. One thousand cars can stand on the tracks of this terminal at one time and be in easy access of teams for unloading. Many wagons and teams were hired and the work of unloading and installing of exhibits proceeded as rapidly as they arrived. This, of course, required an army of men. Warehouses for empty packing cases have been built and to them are transported such empty boxes as exhibitors wish to pay storage on. The terminal yard is fenced in and operated during the Exposition under the direction of the Transportation Department. As the terminal can and probably will be reached by local and excursion trains over every railroad entering in Chicago, the problem is not considered a light one. In addition to this work, the handling of all the supplies for the restaurants and other concessions inside the park are under and by this department. This is mostly night work, but when it is considered that food and drink for a large army or city must be handled daily with the utmost promptness and dispatch, it can readily be seen that this is not the easiest of the various problems entrusted to this department. Then, too, during the Exposition a report must be gotten out. This will be a laborious and necessarily arduous undertaking to render an account of the doings of the department from its inception to the close of the Exposition. But the end is not yet. The buildings and exhibits must be taken down and removed and the park returned as near as can be to its former condition. In this work it is possible that the Transportation Department may take a hand.

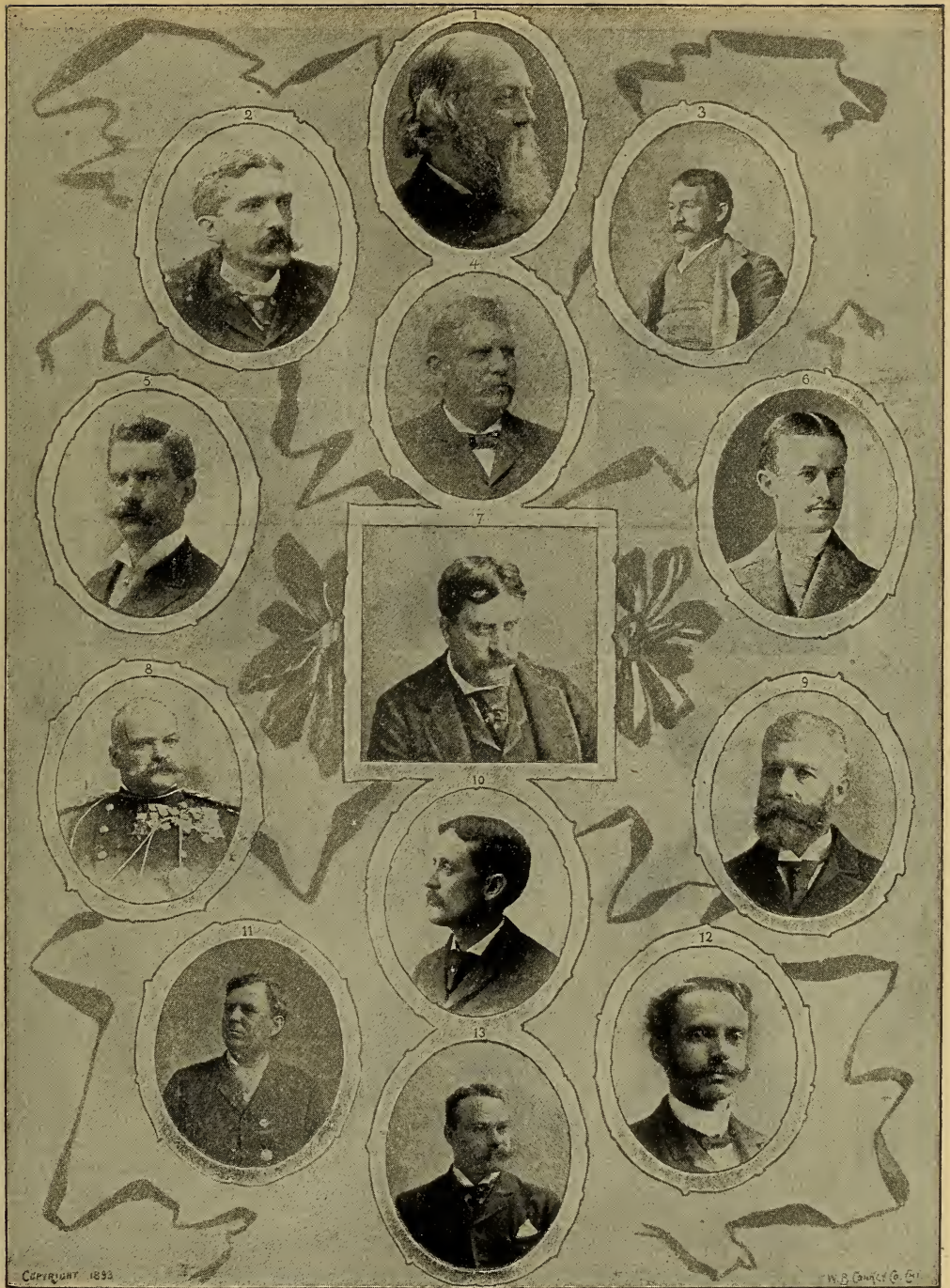
Commandant Columbian Guard.—The commandant has control of the Columbian Guard and as such is the conservator of the peace, quiet and dignity at the Exposition.

Chief Engineer.—This official designed the roof trusses, foundations, the timber framing and the iron work of all Exposition buildings, including the arches over the court of the Manufactures and Liberal Arts Building, and the arches of Machinery Hall. He also made drawings of the same; supervised all constructional drawings made by the architectural force; made plans of the bridges, piers, docks and viaducts; examined the constructional and foundation plans of all the State, foreign and concession buildings and structures, and made changes wherever necessary; examined all plans submitted by the exhibitors in cases where it was necessary to cut through the floors, or in any way affect the construction of the buildings. He is responsible for the construction of the buildings, docks, piers, bridges and viaducts, and during the Exposition will look after them as far as their construction is concerned.

Engineer of Grades and Surveys.—This office was created on November 1, 1890, and the engineer was charged with the duty of executing all surveys of grades, the laying out of the plans of the buildings, roads, sewers, water pipes, and other plans which had been designed by the heads of the various departments, and seeing that a perfect record was kept which would involve uniformity in all these various plans. The Department of Surveys and Grades was also charged with preliminary clearing, grading and dredging, which work was completed in the summer of 1890. It has also charge of the maps, atlases and other records of the layout of the Exposition; and further, has charge of the construction and maintenance of the roads, pavements and walks. It employed an average of seventy-five engineers, draughtsmen, rodmen and chainmen, during the period of construction. The duties of the Engineer of Surveys and Grades during the Exposition will be: first, custodian of records showing space and assignments; secondly, preparation and distribution of necessary maps and data; thirdly, care and maintenance of roadway; fourthly, the furnishing of official information drawn from records of his office.

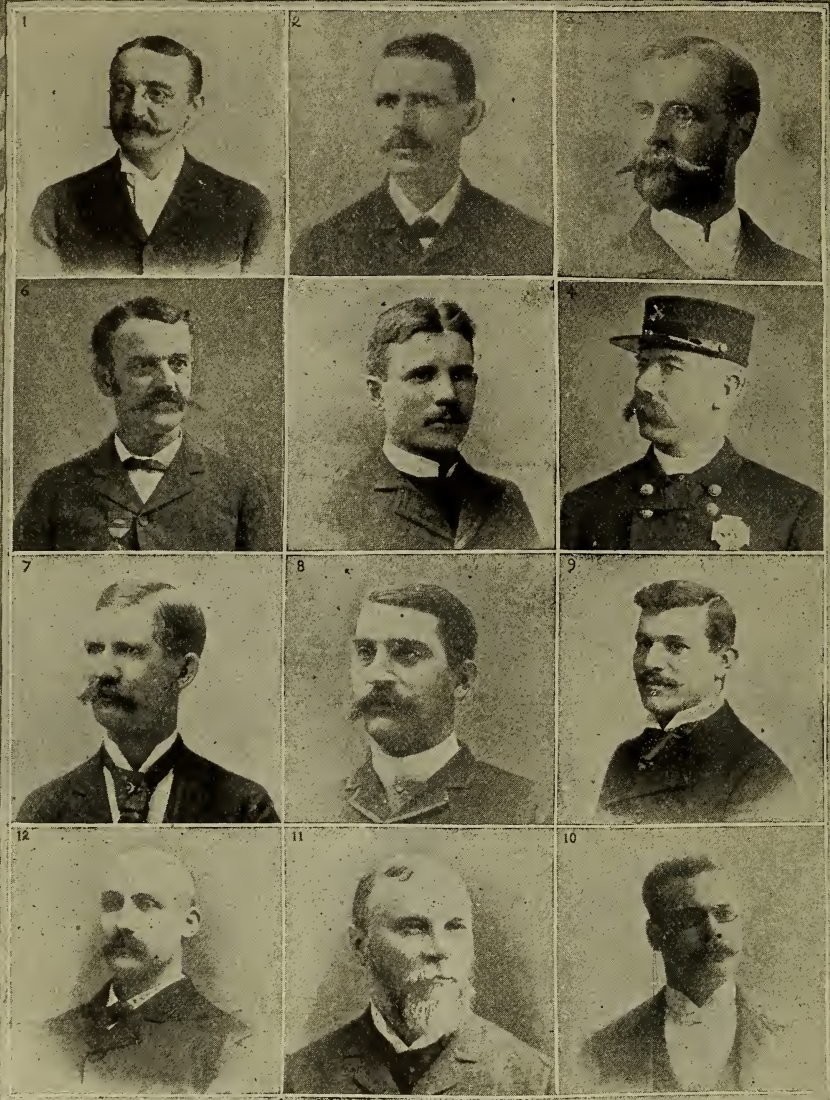
Chief Draftsman.—The Architectural Department, conducted by the chief draftsman, was organized April 1, 1891, and in a short time, a large force of draftsmen were employed in making drawings for the main buildings of the Exposition; the designs having been previously made by the appointed architects for these buildings. The time allowed for this work being so short, and the expediency of getting these numerous buildings under contract so important, every effort was made to get the drawings in condition for the main contracts so that these could be begun, and the work progress on all buildings at the earliest possible moment.

To facilitate the progress of estimating on the buildings there were furnished thirty complete copies of each set of drawings on each building, to enable a large number of contractors to estimate at the same time. After contracts were let, each drawing having been previously approved by the chief engineer, the full size and scale details were then made of every building. This involved more drawings and labor on each building after the letting of the contracts than had been required previously. The force to carry on this work required at the start from forty to as many as seventy draftsmen during the fall of 1891, and probably averaged fifty men throughout the two years of its existence. These draftsmen were constantly consulting and working in



DIRECTOR OF WORKS AND OFFICERS.

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|---|---|--|
| 2. CHAS. B. ATWOOD,
<i>Designer-in-Chief.</i> | 1. F. L. OLNSTEAD,
<i>Landscape Architect.</i> | 3. F. D. MILLET,
<i>Director of Decoration.</i> |
| 5. E. R. GRAHAM,
<i>Asst. Director of Works.</i> | 4. W. H. HOLCOMB,
<i>Gen'l Mgr. of Transportation.</i> | 6. M. B. PICKETT,
<i>Secretary of Works.</i> |
| 8. COL. ED RICE,
<i>Commander Col. Guards.</i> | 7. D. H. BURNHAM,
<i>Director of Works.</i> | 9. JOHN D. OWENS,
<i>Medical Director.</i> |
| 11. WM. S. MCHARG,
<i>Engineer Water Supply.</i> | 10. E. C. SHANKLAND,
<i>Chief Engineer.</i> | 12. JOHN W. ALVORD,
<i>Engineer Grades and Surveys.</i> |
| | 13. F. D. CLOYS,
<i>Chief Draftsman.</i> | |



DIRECTOR OF WORKS' OFFICERS.

- | | | |
|--|---|--|
| 1. CHAS. F. FOSTER,
<i>Electrical Engineer.</i> | 2. E. D. ALLEN,
<i>Supt. Painting.</i> | 3. R. H. PIERCE,
<i>Electrical Engineer.</i> |
| 6. E. R. LORING,
<i>Supt. Plumbing.</i> | 5. G. H. BRINKLEY,
<i>Asst. Eng. Surveys and Grades.</i> | 4. E. W. MURPHY,
<i>Fire Marshal.</i> |
| 7. E. G. NOURSE,
<i>Asst. Gen. Mgr. Transportation.</i> | 8. A. C. SPEED,
<i>Supt. Electricity Building.</i> | 9. J. K. FREITAG,
<i>Building Superintendent.</i> |
| 12. MAX YOUNG,
<i>Supt. Machinery Hall and Colonnade.</i> | 11. W. E. BROWN,
<i>Supt. Transportation Building.</i> | 10. J. MULCAHY,
<i>Purchasing Agent.</i> |

connection with the engineers in the department of the chief engineer, the labors of these two departments being of such a nature that the one could not proceed without the harmonious co-operation of the other. Besides making all necessary drawings for each building, with the exception of the trusses, etc., before letting contracts, careful and accurate specifications were made of each particular contract, specifying in detail, material and manner of construction, and giving the time for the completion of the contract. Besides preparing drawings and specifications for the letting of contracts on these buildings, it is the duty of this department to make a final acceptance of all these contracts, which means a checking up of all specifications and work at the buildings, after having been delivered by the contractor to the construction department. It is expected that this force will be materially reduced, as most of the work required after the opening of the Exposition is in checking over contracts, carefully filing existing drawings, and making a record set of drawings of each building, showing completely, all modifications which have been made in the plans from the first beginning. While the force of this department has been greatly diminished during the last three or four months, it has been done by transferring the draftsmen from time to time to the various offices of the chiefs of the different buildings, as they were required for the purpose of laying out drawings for the installation of exhibits, directly under the charge of the chief of each building.

Medical Director.—The duties of the medical director from the time of the establishment of the position were: To organize a medical bureau having jurisdiction over all cases of personal injury occurring in the line of duty, and such other cases as the Exposition Company may be responsible for, or which in its judgment should be cared for; also all sanitary and hygienic matters connected with the grounds and buildings and all matters pertaining to the health and physical well-being of the construction forces and the employes who are engaged in the conduct of the Exposition.

He is required to keep such records and data regarding his bureau as will enable him to make monthly reports to the Committee on Grounds and Buildings, and a final report after the close of the Exposition, of the work of his bureau. The office of the Medical Bureau was opened June 1, 1891. The periods were, for the sake of convenience and statistics, divided into the pre-Exposition period, the Exposition period, and the post-Exposition period. The bureau had 54,024 cases to April 1st; 2,860 of these being surgical, 2,164 medical.

Upon the medical director during the Exposition will devolve the care of the sick and injured visitors, of the resident population and of the employes upon the grounds; regulation of sanitary matters; inspection of grounds and buildings, etc. The Emergency Hospital is in one portion of the Service Building, and comprises one-fourth of the building.

The hospital contains, on the first floor, the following: Two wards, of ten beds each, for men; one ward of ten and another of three beds for women; medical director's office; resident physician's office; office of the superintendent of nurses; diet kitchen; drug room; linen and clothes closets; two examining and operating rooms and closets; reception room and two waiting rooms—one for men and one for women.

On the second floor are the dormitories for nurses and physicians.

No patient will be permitted to remain in this hospital over night. It is essentially an Emergency Hospital.

On account of the extent of the grounds, it was necessary to establish two sub-stations, or sub-hospitals, each of three or four beds for males and the same number for females. One of these is located at the east end of Midway Plaisance, and another east of Guard Station No. 7, between Machinery Hall and the Terminal railway station.

There are four ambulances. Two are stationed near the Emergency Hospital and one contiguous to each of the sub-stations. In addition, fifty invalid chairs are used for the transportation of the sick to boat, sub-station or hospital. A trained ambulance corps and a physician is detailed for each ambulance.

An electric launch, to patrol the lagoon, is in the service of the Medical Bureau. It performs the function of an ambulance, as well as that of a sub-station, or sub-hospital.

In the Emergency Hospital there are two resident physicians, a corps of attending physicians, hospital steward, orderlies for stretcher work, and druggists. There are also a superintendent of nurses, a surgical nurse, and a corps of trained nurses in addition, for the hospital. There are trained nurses and attending physicians at the sub-stations, and also upon the electric launch. One hundred and fifty stretchers are apportioned to the various buildings as follows: Manufactures Building, 32; Woman's Building, 10; Horticultural Building, 9; Fisheries Building, 6; Art Gallery, 20; Agricultural Building, 24; Forestry Building, 2; Dairy Building, 1; Stock Pavilion, 2; Mining Building, 8; Electricity Building, 8; Transportation Exhibits Building, 17; Bonded Warehouses, 2; Packing Case Buildings, 2; Saw Mill, 2; Music Hall, 4; Recital Hall, 1.

The steam launch takes patients from any landing. The chief landing for this launch is at the north end of the Transportation Exhibits Building, close to the Emergency Hospital, to which patients will be conveyed by invalid chairs, or by hand litters, when necessary.

Upon the flag of this department is seen, in the center, the Geneva cross and the words "Medical Bureau." It marks sub-stations, Emergency Hospital, and indicates the hospital or ambulance boat. The badge worn by the physicians consists of the Geneva cross, containing in its center a disc, in which is a countersunk panel showing in raised design the lettering "World's Columbian Exposition, Medical Bureau," and in the center is the symbol of Hygeia. Interwoven and forming a wreath inside the points of the cross are, in raised relief, poppy heads. The central circular portion of the badge and poppies are silvered. The badge of the medical director

has a gold center, the circumference of which is of blue enamel, which, with the silvered poppies and the sealing-wax red of the Geneva cross, make the national colors, red, white and blue. The badge is also upon the sides of the ambulances and the boat. The nurse's badge is the same as that of the attending physicians, minus the poppy heads. All other attachés of the Medical Bureau wear the central circular portion of the badge, silvered, without cross and without poppies.

All of the physicians are educated and experienced men, selected on account of their fitness for the position which they occupy.

The function of the bureau is to minister to the sick and the injured upon the grounds; to look after sanitary matters, etc.

This hospital is in no sense an exhibit, but its corps of workers will doubtless be actively engaged in caring for those who require its services.

The physicians are clothed in navy blue uniform; all others in gray, trimmed with green. The nurses wear the uniforms of their schools, respectively.

At the close of the gates, or before, patients who are dangerously hurt or seriously ill will be removed to their residences, boarding houses, to a hospital, or referred to outside physicians.

Sub-stations, hospital and launch have telephone connections. The service is free.



MEMBERS OF THE BOARD OF LADY MANAGERS.

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| 1. MRS. RICHARD J. OGLESBY,
<i>Illinois.</i> | 2. MRS. FRANCES WELLES SHEPARD,
<i>Illinois.</i> | 3. MISS WILHELMINE REITZ,
<i>Indiana.</i> |
| 6. MRS. JONAS H. FRENCH,
<i>Massachusetts.</i> | 5. MRS. RUFUS S. FROST,
<i>Massachusetts.</i> | 4. MRS. VIRGINIA C. MEREDITH,
<i>Indiana.</i> |
| 7. MRS. MARY A. HART,
<i>Ohio.</i> | 8. MRS. WALTER HARTPENCE,
<i>Ohio.</i> | 9. MRS. F. H. HARRISON,
<i>Wyoming.</i> |
| 12. MRS. I. J. AUSTIN,
<i>Alaska.</i> | 11. MRS. A. K. DELANEY,
<i>Alaska.</i> | 10. MRS. FRANCES E. HALL,
<i>Wyoming.</i> |
| 13. MRS. MARIE P. HARMON BEESON,
<i>Oklahoma.</i> | 14. MRS. GENEVIEVE GUTHRIE,
<i>Oklahoma.</i> | 15. MRS. JNO. A. LOGAN,
<i>District Columbia.</i> |



MEMBERS OF THE BOARD OF LADY MANAGERS.

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| 1. MRS. MARY KINDER,
<i>Delaware.</i> | 2. MRS. J. FRANK BALL,
<i>Delaware.</i> | 3. MRS. ELIZA J. P. HOWES,
<i>Michigan.</i> |
| 6. MRS. CLARA L. MCADOW,
<i>Montana.</i> | 5. MRS. J. ELIZA RICKARDS,
<i>Montana.</i> | 4. MRS. SARAH S. C. ANGELL,
<i>Michigan.</i> |
| 7. MRS. S. W. McLAUGHLIN,
<i>North Dakota.</i> | 8. MRS. W. B. McCONNELL,
<i>North Dakota.</i> | 9. MRS. JNO. R. WILSON,
<i>South Dakota.</i> |
| 12. MRS. MARY A. COCHRAN,
<i>Texas.</i> | 11. MRS. IDA LOVING TURNER,
<i>Texas.</i> | 10. MRS. H. M. BARKER,
<i>South Dakota.</i> |
| 13. MRS. JNO. S. WISE,
<i>Virginia.</i> | 14. MRS. K. S. G. PAUL,
<i>Virginia.</i> | 15. MRS. E. C. LANGWORTHY,
<i>Nebraska.</i> |

BOARD OF LADY MANAGERS.

President, Mrs. Potter Palmer, Chicago; First Vice-President, Mrs. Ralph Trautmann, New York; Second Vice-President, Mrs. Edwin C. Burleigh, Maine; Third Vice-President, Mrs. Charles Price, North Carolina; Fourth Vice-President, Miss Katherine L. Minor, Louisiana; Fifth Vice-President, Mrs. Beriah Wilkins, District of Columbia; Sixth Vice-President, Mrs. M. D. Thatcher, Colorado; Seventh Vice-President, Mrs. Flora Beall Ginty, Wisconsin; Eighth Vice-President, Mrs. Margaret Blaine, Salisbury, Utah; Vice-President-at-Large, Mrs. Russell B. Harrison, Montana; Vice-Chairman Executive Committee, Mrs. Virginia C. Meredith, Indiana; Secretary, Mrs. Susan G. Cooke, Tennessee.

Nominated by Commissioners-at-Large.—Mrs. D. F. Verdenal, 182 West 80th St., New York; Mrs. Mary Cecil Cantrill, Georgetown, Ky.; Mrs. Mary S. Lockwood, 812 12th St., Washington, D. C.; Mrs. John J. Bagley, Detroit, Mich.; Miss Ellen A. Ford, 252 Broadway, New York; Mrs. Mary S. Harrison, Helena, Mont.; Mrs. Ida A. Elkins Tyler, Bullitt Bldg., Philadelphia, Pa.; Mrs. Rosine Ryan, Austin, Texas. Alternates—Mrs. Ben C. Truman, Los Angeles, Cal.; Mrs. Nancy Huston Banks, Morganfield, Ky.; Mrs. James B. Stone, Worcester, Mass.; Mrs. Schuyler Colfax, South Bend, Ind.; Mrs. Helen A. Peck, 3100 Troost Ave., Kansas City, Mo.; Miss Caroline E. Dennis, Auburn, N. Y.; Mrs. George R. Yarrow, 2213 Green St., Philadelphia, Pa.; Mrs. Caroline Willis Ladd, Galveston, Texas.

By Commissioners from the District of Columbia.—Mrs. John A. Logan, Washington; Mrs. Emma D. Powell, Washington. Alternates—Mrs. Beriah Wilkins, Washington; Miss Emma C. Wimsatt, Washington.

[For the names of members and alternates from the States and Territories, see "State and Territorial Buildings and Officials."]

The Act of Congress creating the World's Columbian Commission, authorized and required the appointment of a Board of Lady Managers. The Board consists of two women from each State and Territory and the District of Columbia, nominated by Commissioners from the several States and Territories and the District of Columbia, and of one woman, nominated by each of the Commissioners-at-large and appointed by the President, and also nine women of the city of Chicago appointed by the President, and a like number of alternates, appointed in the same manner as the principals, and who assume the duties and functions of such principals only when the principals are unable to attend.

Each member of the Board is entitled to receive \$6 per day for each day necessarily absent from home engaged in the work of the Board, and also the expenses for transportation actually incurred by her on that account. The alternates receive no compensation nor expenses for transportation, except in cases where their principals are unable to attend to the duties assigned to them.

In accordance with resolutions of the Executive Committee of the World's Columbian Commission, adopted October 21, 1890, authorizing the organization of the Board of Lady Managers, "And said Commission is authorized and required to appoint a Board of Lady Managers of such number and to perform such duties as may be prescribed by said Commission. Said Board may appoint one or more members of all committees authorized to award prizes for exhibits which may be produced in whole or in part by female labor," President T. W. Palmer and Secretary John T. Dickinson were requested to make arrangements to secure a suitable hall in which the Board could hold its meetings. It was further requested that President Palmer call the Board to order at 12 o'clock M., November 19, 1890, and preside until they elected a chairman and secretary, and that Secretary Dickinson officiate as secretary. This first meeting was held at Kinsley's Hall at which members were present from the several States and Territories. The Hon. T. W. Palmer addressed the assemblage and his words of cheer were graciously received. Before each member of the Board had received her commission, President Palmer said, among other things: "These parchment commissions which have been bestowed upon you may well serve in the better days to come as titles of a nobility as far beyond what has passed for nobility in half-developed society as the future shall be beyond the ages when hereditary titles arose. That your chil-

dren's children, to many generations, should cite their descent from Lady Managers of an Exposition which served as a mile-stone to mark the world's grandest and swiftest progress, lies in your hands and brains to-day. All that American women ever lacked—opportunity—is here, and from every State and Territory the women of the hour are here to take advantage thereof. It needs no gift of prophecy to enable one to predict that the future will justify the wisdom of the creation of your Board, and the selection of its individual members.”

Secretary Dickinson delivered to each member of the Board and alternate present the certificates of the Commission, and the Board of Lady Managers was thus launched upon the sea of self-reliance. Temporary organization was effected by the unanimous election of Mrs. William Felton of Georgia, as Chairman, and Miss Cora D. Payne of Kentucky, as Secretary.

On the second day Mrs. Potter Palmer of Chicago was unanimously elected President of the Board, and Miss Phœbe Cousins of Missouri, Secretary. Subsequently, the office of Secretary having become vacant, Mrs. Susan Gale Cooke of Tennessee was, on September 2, 1891, elected to fill the position.

By the resolutions adopted by the World's Columbian Commission at the session of April, 1891, the powers and duties of the Board of Lady Managers were defined, in which the Board was “directed and empowered to appoint one or more members of all committees authorized to award prizes for exhibits which may be produced in whole or in part by female labor; and the number of such women members so to be appointed shall be in proportion to the percentage of female labor performed in the production of such exhibits.” The Board was given the management and control of the Woman's Building. The Board was given general charge and management of all the interests of women in the Exposition.

Encompassed and on all sides by luxuriant shrubs and beds of fragrant flowers, like a white silhouette against a background of old and stately oaks, is seen the Woman's Building, situated in the northwestern part of the grounds, separated by a generous distance from the Horticultural Building on the one side and the Illinois State Building on the other, and facing the great lagoon with the Flowery Island as a vista. Among a great number of sketches submitted in competition for this building by women from all over the land, the President of the Board of Lady Managers, Mrs. Potter Palmer, discovered in the sketch submitted by Miss Sophia G. Hayden, that harmony of grouping and gracefulness of detail which indicate the architectural scholar, and to her was awarded the first prize of a thousand dollars, and also the execution of the design. The second and third prizes were given respectively to Miss Lois L. Howe, of Boston, and Miss Laura Hayes, of Chicago.

Directly in front of the building the lagoon takes the form of a bay, about 400 feet in width. From the center of this bay a grand landing and stair case leads to a terrace six feet above the water. Crossing this terrace other staircases give access to the ground, four feet above, on which, about 100 feet back, the building is situated. The first terrace is designed in artistic flower beds and low shrubs, forming, together with the creamy-white balustrades rising from the water's edge, and also in front of the second terrace, a charming foreground for the fine edifice. The principal façade has an extreme length of 400 feet, the depth of the building being half this distance. Italian renaissance is the style selected. The main grouping consists of a center pavilion flanked at each end with corner pavilions connected in the first story by open arcades in the curtains, forming a shady promenade the whole length of the structure. The first story is raised about ten feet from the ground line, and a wide staircase leads to the center pavilion. This pavilion, forming the main triple-arched entrance with an open colonnade in the second story is finished with a low and beautifully proportioned pediment enriched with a highly elaborate bas-relief. The corner pavilions, being like the rest of the building, two stories high, with a total elevation of 60 feet, have each an open colonnade added above the main cornice.



MEMBERS OF THE BOARD OF LADY MANAGERS.

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| 1. MISS H. T. HUNDLEY,
<i>Alabama.</i> | 2. MRS. ANNA M. FOSDICK,
<i>Alabama.</i> | 3. MRS. JAMES P. EAGLE,
<i>Arkansas.</i> |
| 4. MRS. ROLLIN A. EDGERTON,
<i>Arkansas.</i> | 5. MRS. R. J. COLEMAN,
<i>Colorado.</i> | 6. MRS. SUSAN R. ASHLEY,
<i>Colorado.</i> |
| 7. MISS FRANCIS S. IVES,
<i>Connecticut.</i> | 8. MRS. ISABELLA B. HOOKER,
<i>Connecticut.</i> | 9. MRS. WHITING S. CLARK,
<i>Iowa.</i> |
| 10. MISS ORA E. MILLER,
<i>Iowa.</i> | 11. MRS. E. C. BURLEIGH,
<i>Maine.</i> | 12. MRS. L. M. N. STEVENS,
<i>Maine.</i> |
| 13. MRS. FRANCIS B. CLARKE,
<i>Minnesota.</i> | 14. MRS. H. F. BROWN,
<i>Minnesota.</i> | 15. MRS. JOHN S. BRIGGS,
<i>Nebraska.</i> |



MEMBERS OF THE BOARD OF LADY MANAGERS.

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| 1. MRS. EDWARD L. BARTLETT,
<i>New Mexico.</i> | 2. MRS. THOS. A. WHELAN,
<i>Utah.</i> | 3. MRS. T. J. BUTLER,
<i>Arizona.</i> |
| 6. MRS. A. C. JACKSON,
<i>Kentucky.</i> | 5. MRS. JENNIE S. MITCHELL,
<i>Kansas.</i> | 4. MRS. ALEX. THOMSON,
<i>Maryland.</i> |
| 7. MRS. ANNA E. M. FARNUM,
<i>Idaho.</i> | 8. MRS. MARY C. BELL,
<i>Florida.</i> | 9. MRS. CHAS. H. OLNSTEAD,
<i>Georgia.</i> |
| 12. MRS. MARY E. MCCANDLESS,
<i>Pennsylvania.</i> | 11. MRS. E. W. ALLEN,
<i>Oregon.</i> | 10. MRS. PARTHENIA P. RICE,
<i>California.</i> |
| 13. MISS MARY E. BUSSELLE,
<i>New Jersey.</i> | 14. MRS. M. D. FOLEY,
<i>Nevada.</i> | 15. MISS CHARLOTTE FIELD DAILEY,
<i>Rhode Island.</i> |

Here are located the Hanging Gardens, and also the committee-rooms of the Board of Lady Managers. A lobby 40 feet wide leads into the open rotunda, 70 x 65 feet, reaching through the height of the building and protected by a richly ornamented skylight. This rotunda is surrounded by a two-story open arcade, as delicate and chaste in design as the exterior, the whole having a thoroughly Italian court-yard effect, admitting abundance of light to all rooms facing this interior space.

In the second story, above the main entrance and curtains, are located ladies' parlors, committee-rooms and dressing-rooms, all leading to the open balcony in front, and commanding a splendid panorama of almost the entire ground. The whole second floor of the north pavilion incloses the great assembly-room and club-room. The first of these is provided with an elevated stage for the accommodation of speakers. The south pavilion contains the model kitchen, refreshment rooms, reception-rooms, etc.

CONCERTS.—It is proposed to give semi-monthly concerts in the Woman's Building during the six months of the Exposition, at which only women or girls who are amateurs, possessed of talent and a high order of musical ability, and who have been residents of America for at least ten years, will be permitted to appear. The qualifications are first tested and approved by a jury selected by the Woman's National Committee on Music and satisfactory to Theodore Thomas, Musical Director of the Exposition. No musical progency is admitted simply as such, nor is the diploma of any College or Conservatory either necessary or sufficient. Each candidate is rated upon her merits, technical proficiency not alone being considered.

The concerts are intended to provide a public appearance for those amateurs of distinction who are shut out from the concert room of the professional, and who, for various reasons, would not wish to appear therein. Quartettes, trios, either vocal or instrumental, choral and orchestral organizations of women are to be heard.

SALE OF EXHIBITS.—The Decorative Art Societies, Woman's Exchanges, Industrial and Educational Unions, (which are called the Bureau of Applied Arts from the different States) and individuals are allowed to sell by samples. No articles are sold for removal previous to the close of the Exposition, unless a "concession" for the same has been granted by the Committee on Ways and Means. "Concessions" refer to the sale of all goods from which the securing of revenue is the object of the lessees.

Each society or individual exhibiting or selling their work pays their proportion of the expenses of cases, clerks, saleswomen, etc. To provide for these expenses, 20 per cent. is charged on all sales where the saleswomen are provided by the Management; 5 per cent. of this is paid to the Ways and Means Committee for "concessions," and 15 per cent. is reserved as a fund out of which all salaries and other expenses attending the sale of articles in the salesrooms in the Woman's Building is paid.

THE CHILDREN'S BUILDING.—Under the immediate auspices of the Board of Lady Managers is the Children's Building. This is primarily an educational exhibit. A model crèche is shown, demonstrating in a large, light and airy room the most healthful, comfortable, and rational system of dressing and caring for young children. Short lectures are given upon their food, clothing, and sleeping arrangements, and in connection with the crèche is an exhibition of infants' clothing of all nations and times, their cradles, and other furniture. As the child grows and its mental faculties develop, the kindergarten succeeds the crèche. This department of child-life is demonstrated in the most complete manner by the International Kindergarten Association. The kindergarten under their management is fitted up in the most attractive manner. All the latest apparatus necessary to the best exposition of the work is provided. Closely allied to the kindergarten is the kitchengarden, where classes of little folks are taught the useful arts of homekeeping. In so interesting and delightful a manner are sweep-



MEMBERS OF THE BOARD OF LADY MANAGERS.

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| 1. MRS. BERAH WILKINS,
<i>District Columbia.</i> | 2. MISS KATHARINE L. MINOR,
<i>Louisiana.</i> | 3. MRS. B. A. PERKINS,
<i>Louisiana.</i> |
| 6. MRS. MYRA B. F. LADD,
<i>New Hampshire.</i> | 5. MRS. J. M. STONE,
<i>Mississippi.</i> | 4. MRS. JAS. W. LEE,
<i>Mississippi.</i> |
| 7. MRS. DANIEL HALL,
<i>New Hampshire.</i> | 8. MRS. RALPH TRAUTMAN,
<i>New York.</i> | 9. MRS. W. C. WHITNEY,
<i>New York.</i> |
| 12. MISS F. CUNNINGHAM,
<i>South Carolina.</i> | 11. MRS. CHAS. PRICE,
<i>North Carolina.</i> | 10. MRS. FLORENCE H. KIDDER,
<i>North Carolina.</i> |
| 13. MRS. ELLERY M. BRAYTON,
<i>South Carolina.</i> | 14. MRS. MELISSA D. OWINGS,
<i>Washington.</i> | 15. MRS. ALICE HOUGHTON,
<i>Washington.</i> |



GROUP OF ALTERNATES BOARD OF LADY MANAGERS.

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| 1. MRS. FRANK H. DANIELL. | 2. MRS. J. H. HAYNES,
<i>Kansas.</i> | 3. MRS. THEO. F. ARMSTRONG. |
| 6. SUSAN W. BALL, | 5. THERESA J. COCKRAN. | 4. MRS. CLARK WARING. |
| 7. MRS. CARRINGTON MASON. | 8. ANNIE L. Y. ORFF. | 9. MRS. PATTIE MOORE. |
| 12. LENA A. BATES. | 11. ISABELLA L. CANDEE. | 10. MARY B. HANCOCK, |
| 13. FRANCIS P. BURROWES. | 14. MRS. ALICE B. CASTLEMAN. | 15. MRS. IRA Z. HENDRICKS. |

ing, dusting, bedmaking, and cooking taught, that what might otherwise be an irksome task to children becomes a most delightful recreation.

For older children is a slojd, where wood-carving is exhibited. Physical development is illustrated by the North American Turner-Bund. Here many a lad is inspired to seek after that physical perfection that was the pride of the Greeks and Romans. A library containing a full supply of children's literature has been provided. In it are found the books of all lands, and in all languages, their newspapers, periodicals, etc.

Pennsylvania has equipped a department in the Children's Building showing the wonderful progress that has been made in teaching young deaf mutes to speak. Miss Mary Garrett, secretary of the Home for Teaching Deaf Mutes to speak, is in charge of this department. Daily demonstrations are given.

A department of Public Comfort in connection with the Children's Building, is conducted especially for the benefit of children. Infants and small children are received and placed in the care of competent nurses, who provide for all their wants while their mothers are visiting the various departments of the Exposition.

For the amusement of visiting children there is a large playground on the roof; this is inclosed with a strong wire netting, so the children will be perfectly safe. The playground is very attractive, ornamented with vines and flowers. Within the inclosure butterflies and birds flit about unconfined. Here, under cover, are exhibited toys of all nations, from the rude playthings of Esquimaux children to the wonderful toys which at once instruct and amuse. These toys are used to entertain the children.

The building has an assembly-room, containing rows of little chairs, and a platform from which stereopticon lectures are given to the older boys and girls, about foreign countries, their languages, manners, and customs, and important facts connected with their history.

In the Woman's Building will be found a well filled library of printed works and original manuscripts in many languages, by women writers.

The work of the Board for the past two years has been prosecuted with the utmost harmony and good feeling, and the purposes have been admirably carried out. It marks the first participation of women in an important national enterprise, and has prepared an object lesson to show the progress women have made in many countries of the world, exhibiting the increased usefulness that has resulted from the enlargement of their opportunities. Representative collections have been made from the States and Territories and from such foreign countries, for instance, as England, France, Italy, Germany, Austria, Russia, Belgium, Holland, Sweden, Norway, Greece, Denmark, Siam, Japan, Algeria, Cape Colony, Cuba, Mexico, Nicaragua, the Argentine Republic, Jamaica, Ceylon, Brazil, Spain, Colombia, Ecuador, Venezuela, Panama and the Sandwich Islands. These give an adequate idea of the extent and value of what is being done by women in the arts, sciences and industries. In the general buildings, where the competitive exhibits are placed, the exhibit of women's work from that of men is not separated, for the reason that, as women are working side by side with men in the industries of the world, it would have been practically impossible, in most cases, to divide the finished result of their combined work; nor would women be satisfied with prizes unless they were awarded without distinction as to sex and as the result of fair competition with the best work shown. The Board is striving for excellence, and desires recognition only for demonstrated merit. In order, however, that the enormous amount of work being done by women may be appreciated, a statement has been procured and shown with every exhibit, stating the proportion of woman's work that enters into it.

Many new avenues of employment are thus shown to women breadwinners. The most brilliant achievements of women from every country and in every line of work are shown in the exhibits of household economics, needlework, drawing, etching, painting, pottery sculpture, carving in wood or ivory, her

work in all decorative arts, manufactures, inventions and other articles of her production; proofs of her work in the professions, in journalism and the making of books, in musical and dramatic art, in religious, literary and scientific societies, in the organization and management of temperance, hygienic and other reformatory work, as well as the art of cooking and the preparation of food, including the grinding of grain and the making of bread; the curing of skins and furs and the shaping of them into garments; the invention and use of needles and the twisting of various fibers into threads for sewing and knitting; the weaving of textile fabrics; the use of vegetable dyes; the art of basket-making; the modeling of clay into jars and vases for domestic use, and also their ornamentation and decoration. Besides the National Board of Lady Managers, several of the States and Territories have their own boards of women, who look after women's work in their own respective domains, but all co-operating with the National Board.

[Mrs. Potter Palmer, before her marriage, had acquired fame as the beautiful Bertha Honore. She was born in Louisville, Ky., her father being of French descent and her mother belonging to one of the oldest and most aristocratic Southern families. Her childhood and early girlhood were spent in Louisville, and there also her education was begun. According to an old Southern custom, her education was finished in a convent, the one selected being near Baltimore, Md. From the quiet of the convent Miss Honore stepped into a field of conquest. Her mental acquirements and inherited grace and refinement soon gave her an enviable position in society. In 1871 she married Potter Palmer, one of Chicago's representative and wealthy citizens, and has since then resided in Chicago. She has traveled much, and has a wide acquaintance among both the wise and fashionable people of two continents. Her contributions to city and state charities, while large, are surpassed by the good she privately does. Mrs. Potter Palmer is well calculated to adorn and fill the office which she now occupies, and her known energy, combined with her acknowledged executive ability, presaged that the Board of Lady Managers, under her guidance, will more than accomplish all that the National Commission has seen fit to place in their charge. And all expectations in that respect have been more than fulfilled. Under her administration the woman's department has attained proportions which form one of the most wonderful developments of the Exposition.]



MRS. POTTER PALMER,
PRESIDENT BOARD OF LADY MANAGERS.

BUREAU OF PUBLIC COMFORT.

THIS bureau was established by the Directors of the Exposition for the purpose of contributing, as far as possible, to the convenience and comfort of visitors. In several of the large buildings located in different parts of the grounds are spacious reception and waiting rooms, parlors for ladies and children—all comfortably furnished, for the enjoyment of visitors. The bureau has provided lavatories and retiring rooms, polite attendants and all necessary means for constituting an attractive headquarters for the people—desirable resorts and resting places *free of charge* to visitors. Maintained in connection with these rooms, for the use of visitors, at moderate charges, are parcel rooms for checking and care of coats, wraps, bundles, handbags, etc.; barber shops and boot-blackening; a good service of lunch counters and lunch tables; also stands for the sale of newspapers, reading matter, stationery and postage stamps, toilet articles and other items of common every-day need. Attendants are stationed in each reception room, to reply, as far as possible, to all inquiries for general or local information. Registers for visitors are maintained, in which those desiring may enter their names, home and temporary address *without charge*. The provision for convenience of visitors also embrace telegraph office, telephone office, messenger service, stenographers and typewriters. The central idea has been to furnish suitable *free* accommodations within the Exposition Grounds, where all are welcome to rest from the fatigues of sight-seeing, and to cater to the personal needs of visitors, at moderate cost.

For some time previous to the opening of the Exposition the Bureau maintained (and now continues) a hotel and rooming department through which it co-operates with the citizens and householders of Chicago and vicinity in securing suitable and desirable lodging accommodations at fair and reasonable rates for expected visitors. The city has been subdivided into districts and sections, and an official register prepared, in which parties having furnished rooms to let may have them listed, under a contract with this department, giving full description and prices thereof, the rooms being always first subjected to *inspection*.

Under this landlord's contract these rooms are placed in the hands of the department for rental, at the prices named by the landlord, with authority to let the same, or any of them, from day to day, or longer, and to collect the rent therefor *in advance*, in the name of said landlord; and upon receipt thereof to issue to the lessee or prospective tenant a rental certificate, which secures to the holder of said certificate, the rooms engaged for the term and date selected.

There is no ground for rumors which may be circulated that visitors to the Fair are made the victims of exorbitant charges. Competition is so extensive and sharp as to prevent it. One who climbs to the top of one of the Exposition buildings and surveys the territory lying to the north, west and south of Jackson park can easily believe this statement. There, and indeed in all parts of the city, the amount of building recently completed and now under way is simply astonishing. Hundreds of structures to meet World's Fair demands have been erected within the past few months. Some of the new hotels are large enough to accommodate several thousand guests each, and living accommodations for not less than 300,000 strangers have been provided for immediately contiguous to the Exposition, to say nothing of the numerous hotels, boarding houses, lodging houses, restaurants and cafés in every part of the city and suburbs.

The Chicago summers are known far and wide as successful rivals of those of many of the pretentious resorts in mountain and at seaside. The temperature in summer is invariably cool, and a conspicuous blessing are the delightfully cool nights. If the weather is ever unpleasantly warm it lasts at most only a few hours, a cool breeze from the lake invariably dissipating it. The certainty that hot weather does not prevail for any length of time is a most advantageous feature.

An abundance of drinking water, the best supplied to any great city in the world, is provided free to all. The water is either filtered or sterilized. The process of sterilization is accomplished by boiling the water. Months ago the Exposition company made a contract for something less than 3,000 drinking fountains. The fountains have each four faucets, so that 12,000 people may drink at the same time. These fountains are distributed all over the grounds. Ample provisions for seating is made without charge. About 1,500 toilet rooms and closets are located at convenient points in the buildings and about the grounds and they are absolutely free to the public. This is as large a number in proportion to the estimated attendance as has ever been provided in any Exposition. In addition to these there are also nearly an equal number of lavatories and toilet rooms of a costly and handsome character as exhibits, for the use of which a charge of five cents is made. Free medical and emergency hospital service is provided on the grounds by the Exposition management. Imposition or extortion of any description will not be tolerated. A special building for the use of the Bureau will be found at the north end of the park. At the south end, in the Terminal Railway station, the bureau has been given a great number of rooms in which are furnished free accommodations. At the southeast corner of the park, in the Casino Building, more room has been reserved for the same bureau. In each of these buildings are cheap lunch counters, checking-rooms, etc., and tables where those who feel so inclined may sit and eat the luncheon which they bring to the park. The concessionaires who have the restaurants on the grounds are subject to the supervision of the Exposition officials. The prices charged for food are approved by the authorities, and in this case the persons to fix the prices are the members of the Ways and Means Committee. Extortionate charges and very poor service were imposed upon the public by many of these restaurant concessionaires at the opening, but there was such universal and well grounded complaint that official regulation had to be adopted toward these greedy and unscrupulous vendors of food. A great many visitors *take their lunch with them*, and they find that this is by far the cheaper and more satisfactory plan.

In every public building on the grounds there is abundant convenience for checking packages. The Manufactures Building has eight check-rooms; the Fine Arts Building, twelve; the Electrical Building, four; the Agricultural Building, two; the Fisheries Building, two; and other Exposition buildings from one to four in proportion to their various needs. The terminal railroad station has four check-rooms, the Casino is amply supplied, and all State buildings are furnished as their officers may require. These parcel checking-rooms vary in size from 6x8 feet to 59x15. All check-rooms have a series of pigeonholes on the walls, each compartment being eighteen inches in each of its three dimensions. The checks are manila tags, machine numbered, and divided into three parts, after the manner of the usual package checks in railroad depots. A charge of 10 cents is made for each day or fraction of a day upon delivery of the parcel. On the grounds there are about 20,000 compartments for the reception and care of packages and more than 100 attendants. Besides this checking system a plan of transferring baggage has been instituted whereby a visitor may leave a bundle, for example, in the check-room of the Forestry Building and find it afterward at the railway station upon presentation of one of the colored transfer checks. Facilities are also provided for delivering parcels from any shop or booth on the grounds at any one of the regular checking stations. For this purpose another different style of check is provided. These deliveries are made either specially on short notice or as routine work, the charges to be regulated accordingly.

DEPARTMENT O—PUBLICITY AND PROMOTION.

IT is not exaggeration to say that the Department of Publicity and Promotion has fully established the fact that its existence has been essential to the success of the Exposition. It has been an absolutely necessary factor. Chicago having secured the Exposition, those upon whom it devolved to organize and carry forward the great enterprise were confronted with a number of discouraging facts. Certain quarters of the country (candidates for the Exposition in the beginning), smarting under defeat and already beginning to grow jealous of the marvelously prosperous western rival, were hostile. In that hostility other sections shared to a greater or less extent. Again other sections were far from united in the belief that Chicago was the best place in America for holding a world's fair. Europe, and indeed nearly all foreign countries, were accustomed to get their impressions of American affairs from beaten paths. It followed that Chicago started in upon the great task with nearly the entire world hostile, or skeptical and indifferent. At the time Chicago was selected as the location of the Exposition, parts of the English press and people promptly disparaged the importance of the enterprise because of its location, and dismissed the subject with the com-called World's no chance of "a local fair."

The Exposition fully realized the difficulties which confronted them, daunted, they set themselves a way. They determined that this task could not be accomplished except the power of the world be enlisted. To secure this end the Exposition's of systematic busment of Publicity was determined upon. Of all the great Exposition departments this which was organized first was the Department of Publicity. To secure this end the promotion of interests a matter of business, the Department and Promotion was determined upon. Of all the departments this which was organized first was the Department of Publicity. To secure this end the promotion of interests a matter of business, the Department and Promotion was determined upon. Of all the departments this which was organized first was the Department of Publicity.



M. P. HANDY, CHIEF.

The Department was organized in December, 1890, General Davishaving appointed as its chief Major Moses P. Handy, of Philadelphia, a journalist of extended experience not only in that city, but in New York, Washington, and several others. He enjoyed a wide acquaintance with men and had the confidence of the press throughout the country. He was relied upon to conduct a campaign which should have for its object the conquering of all hostility to Chicago and the Exposition, and the turning of indifference into enthusiasm.

Major Handy organized his department somewhat on the lines of a gigantic news agency. He recruited his assistants almost entirely from those having extended experience in newspaper work. In January, 1891, the campaign was begun. Circular letters were sent out to every newspaper throughout the civilized world informing them that the department would begin sending out news

authorities difficulties which and nothing about clearing. They wisely determined that this task could not be accomplished except the power of the world be enlisted. as well as to make the Exposition's of systematic busment of Publicity was determined upon. Of all the great Exposition departments this which was organized first was the Department of Publicity. To secure this end the promotion of interests a matter of business, the Department and Promotion was determined upon. Of all the departments this which was organized first was the Department of Publicity.

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matter relating to the Exposition, and inviting them to make such use of the whole or part of it as they might feel disposed. They were requested also to place the department on their exchange list. It was expressly stated that the news matter would be furnished gratis. The response was very generous, though in some sections of the United States and in some foreign countries much apathy and indifference was manifested. The press of France assumed a somewhat different attitude. Some of the journals of that country wanted to be subsidized, and were not backward in letting it be known. They were met with courteous refusal.

Almost the first thing attempted by the department was to convince the world that Chicago was no "mean city." Articles specially prepared were sent out setting forth the wonderful growth of this city, and no opportunity was omitted to convey the impression that Chicago had determined to make the Exposition the crowning success of all its accomplishments. Then the broad scope of the Exposition, as planned, was described, and special emphasis was made, in matter sent abroad, of the fact that it was an enterprise, not of Chicago alone, but of the United States government, being created and located by Act of Congress, and being aided by appropriations from the government treasury. This was followed by articles giving facts and figures showing the importance to foreign countries of the American market, and the necessity of exhibiting at the Exposition if they hoped to retain the trade they already had in it and to keep pace with their competitors in occupying it as it rapidly expanded. The commanding position occupied by Chicago with reference to the American market for foreign goods was duly commented upon, as was also the fact that the objections to Chicago as a place of exhibit because of its being a thousand miles inland, which were at first urged, were without real force, and that on the contrary, for many specified reasons, the location, because of its being central with reference to the great industries of this country, would tend greatly to enhance the importance of the Exposition, and consequently as a place especially advantageous for the display of foreign exhibits.

Closely following the sending out of articles on the subjects referred to came the information directly concerning Exposition affairs themselves, which began rapidly to develop. The meetings of the National Commission, the adoption of the classification, the organization of the different departments, the selection of architects, the splendidly located site, the raising of millions by Chicago, the plans and descriptions of those magnificent buildings, the rapidly growing enthusiasm over the Exposition throughout the United States, the successive appropriations by the different States, and the acceptance, one after another, by foreign nations of the President's invitation to participate in the Exposition—all of these and innumerable matters of lesser importance were sent forth, as they occurred. For months after the Exposition was located, practically all news relating to it originated in Chicago, and the Department of Publicity and Promotion kept the press of the world informed of it. The press of Chicago, from first to last loyal to the undertaking, performed a very important part in the same service. But it was through the news-letters sent out by the department that the press at a distance from Chicago gained information of what was going on in Exposition affairs. It followed that for a time nearly all the Exposition news that was published at all was what the department disseminated. Later, when the legislative bodies of the States and of foreign countries began to make appropriations and take other action; when commissioners were selected, when intending exhibitors began to divulge their plans; when, in short, the world began to participate, then centers where Exposition news originated began to develop all over the world. As this progressed it became a part of the work of the department to keep all sections of the world posted upon what all other sections were doing in the way of participating in the Exposition. The department became a sort of clearing-house for Exposition news, besides sending forth, as from the first, the news as it kept developing at Chicago.

In addition to the news-letters referred to the department sent out electrotype cuts of the various Exposition buildings and of the principal officials, together with descriptions and biographical sketches. These were given almost universal publication by the press in all parts of the world, and had a very perceptible effect in increasing the interest felt in the Exposition. Many thousands of fine colored lithographs, notably one of a bird's-eye view of the Exposition, were also sent to hotels, libraries, steamship offices, public buildings, prominent manufacturers, agents, business houses and others in all parts of the world. The result was that the world came to know that the Exposition was being built on a scale much more magnificent than had been any of its predecessors. Because of the lithographs and cuts of buildings greater interest was felt in the news-letters. The two complemented each other in winning the favor of the world toward the Exposition. Besides what has been mentioned, there have been sent out by the department many thousands of pamphlets prepared by its staff of writers on various phases of Exposition work, pamphlets giving the rules and regulations of each of the thirteen great exhibit departments, copies of the general rules of the Exposition, official proclamations and announcements of the President and director-general, circulars of the various governing bodies—the National Commission, the Local Directory, the Board of Lady Managers, the Council of Administration, the World's Congress Auxiliary, etc. All of these have been sent to some 50,000 different addresses in all parts of the world. A vast amount of work of a special nature has also been done by the department. Articles on various branches of Exposition work and on Exposition affairs in general, ranging all the way from 1,000 to 40,000 words in length, have been prepared in the department specially for particular newspapers, magazines and other publications. A large number of papers have been supplied regularly every week, each with its own exclusive article. Others have been furnished with such articles as they have requested. Then, too, the answering of thousands of inquiries has been no insignificant part of the work of the department. Many of these inquiries have been very comprehensive and have required much care in the preparation of replies. For example a State commissioner in Oregon asked: "What are the States which have made no appropriation doing toward participating in the Fair?" The department furnished him with the information, telling him that in one State money was being raised by the stock subscription plan; in another the women were holding fairs and raising the necessary funds; in another prominent citizens had contributed what was necessary, relying on the next session of the Legislature to reimburse them in part; in another the counties were appropriating money; in another the State Agricultural Society had undertaken the work of collecting an exhibit that would creditably represent the State, and so on through all the States. Thus the department has been assumed to be an encyclopædia of information about every phase of Exposition affairs.

This part of the work could not be successfully attended to had there not been system throughout the department. Thousands of newspapers and other publications have been received regularly from their publishers. These have been carefully read and all Exposition matter clipped out. A record has been kept of the proportion represented by matter sent out in the regular news-letters of the department. These clippings, classified by States and countries, have been pasted in great scrap-books, which now have run up into the hundreds in number. The department has also had the service of several clipping bureaus, and thus had clippings from thousands of papers not on its exchange list. These clippings have been similarly classified and pasted in scrap-books. Thus the department has kept itself posted on what the press of the world has said of the Exposition. Misstatements and misrepresentations have been carefully noted and, if serious, the department has taken pains to head them off by sending out authorized corrections. It has been able to judge how extensively its own matter, which it sends out, has been published, and it can be truthfully said that the proportion has been remarkably great.

For the sending out of its news letters and other matter the department has had in operation a mailing service similar to that of a great newspaper. The mail list embraces some 50,000 separate addresses. Of these about 20,000 are those of newspapers, and the others include State officials, State and foreign World's Fair officials, consuls, foreign ministers, public libraries, colleges, prominent manufacturers, commercial agents, transportation agents, prominent citizens, etc. To all of these from one to a dozen pieces of mail matter have been sent each week, including news-letters, pamphlets, circulars, lithographs, cuts of buildings, etc. At times the postage bill of the department has run as high as \$1,000 a day. During 1892 the department sent out to each one of its 50,000 addresses articles aggregating 650,000 words in round numbers. Of these 430,000 were in English and 220,000 in German, French, Spanish and other foreign languages, chiefly in those named. A large quantity of matter, however, has been issued in Portuguese, Swedish, Italian, Danish, Russian, etc. In the same period there have been sent out 2,300,000 printed documents, rules, etc., and 8,000 electrotypes. The department has a record of over 60,000,000 words in English alone, having been published in 1892. This would be between 40,000 and 50,000 ordinary newspaper columns. Of this vast amount over 20,000,000 words, or fully one-third, has been of matter prepared and sent out by the Department of Publicity and Promotion. The record for 1891 was but little below that for 1892, and the proportion of department matter published was greater. More than 100,000 lithographs were sent out in 1891.

Another important branch of this department's work has been supplying Exposition news daily to the press of Chicago and to the Associated and United press. Several times each day members of the department staff have gone through all the Exposition departments and offices, examined correspondence, and interviewed visiting commissioners, exhibitors and others, and from them gleaned the news of the day. This has been type-written and supplied to representatives of the different Chicago papers and press associations. The news service in foreign languages has been very extensive. Each country has been supplied bounteously with Exposition news in its own language. The same members of the staff who have furnished the news in foreign languages have also done a great part of the translating necessary in carrying on the voluminous correspondence of the different departments with foreign exhibitors and others.

It fell to the lot of this department along with its other duties to look after visiting newspaper men, furnish them with desired information and facilities for preparing special matter relating to the Exposition. It is the universal verdict that never at any great celebration have the press representatives been better cared for and afforded more complete facilities for doing their work than they were at the Exposition dedication exercises in October, 1892. All of the great dailies had from one to half a dozen representatives there. Almost every paper of standing was represented, and many foreign journalists were present. About 2,500 newspaper men were in attendance. The best seats in the building were reserved for them and their friends. Nearly 3,000 were reserved for that purpose. Each correspondent was furnished with printed proofs of all the speeches and even of the prayers. In an adjoining room were fifty typewriters with machines ready to transcribe whatever the correspondents might choose to dictate, and close by were almost as many telegraph operators to send the "copy" to the various newspapers represented.

During the few weeks just preceding the opening of the Exposition the department has been perfecting arrangements whereby the accommodations and facilities for the newspaper reporters and correspondents should be as complete at the opening and all through the Exposition as they were at the dedication exercises. Three floors in the northwest pavilion of the Administration Building constitute the newspaper headquarters. Generally speaking one floor is occupied by the department offices one by the Chicago press, and one by the outside press, foreign press and file rooms. Desk room, typewriting machines and tele-



MOSES P. HANDY,

CHIEF DEPARTMENT OF PUBLICITY AND PROMOTION.

graphic facilities are provided in abundance. The preparation of passes and the issuance of them to press representatives who were entitled to receive them has also been accomplished by the department, and as may be easily imagined it has been no small task.

While all this has been carried on the department has been engaged for a time in the preparation of the Official Catalogue. This has been a work stupendous beyond the conception of any one uninformed in such matters. The collection of an infinite amount of detailed information from many thousand sources has been necessary, as well as its proper classification by departments, groups and classes.

The varied and extensive work which has fallen to the lot of the Department of Publicity and Promotion is not all indicated even by what has been alluded to above. In conjunction with the great dailies of Chicago the department publishes an eight-page daily newspaper on the grounds during the Exposition. Three pages are edited exclusively by the department, each one of five Chicago dailies having charge of one of the other pages. This paper is published from exhibit presses in Machinery Hall.

[Moses Purnell Handy was born in the State of Missouri, but is virtually a Virginian, his father, a Presbyterian minister, having removed to the old Dominion while the son was yet an infant: and it was in the traditions of that State that the latter was reared and educated, and to her service that he gave his allegiance when the contest between the sections culminated in an appeal to arms. The horrors of conflict fell first upon the border States, particularly upon that portion of Virginia contiguous to the Potomac, in which the Handys were living; the father although a minister of the gospel and a man of peace, was an early victim to the ardor of his convictions and the ill-considered servity of an inexperienced Federal officer. He was arrested; thrown into a military prison; the home was wrecked; the family scattered; and at the age of seventeen the young Moses was cast upon his own resources. At the age of seventeen he entered the Confederate army, was assigned to the staff of General Stevens with the rank of lieutenant, and served until the surrender of Lee put an end to the struggle. Out of the adventures which befell the youthful soldier during those years of exciting experience grew the first achievement in that line which was to become his cherished profession. His first literary venture, consisting of a series of articles descriptive of incidents of foray and battle, appeared in the *Watchman* then conducted by Dr. Deems. Having thus "seen himself in print," the path of future effort was irrevocably determined. The journalistic instinct was in full pulse and vigor, only seeking a channel in which to vent itself. The boy now called on Dr. Converse, editor of the *Christian Observer*, then published at Richmond, and said he must have work. The field was not promising, but with characteristic perseverance he held on until at last (as to such resolute spirits it always does) the opportunity came. In the summer of 1867 Mr. Wilson, candidate for Vice-President, made a canvass in Virginia and was announced to speak near Richmond. Young Handy went to the Richmond *Dispatch* with an offer to report the meeting "for five dollars and a railroad ticket." The offer was accepted, and the result was a report so superior to the usual work in that line as at once to fix the status of the writer. He was tendered and accepted a permanent situation on the *Dispatch*, learning the detail of the craft while engaged in the "all around" work which is the best education for a journalist, and was not long in mounting the higher rungs of the ladder. A little later Mr. Handy, in connection with the exciting and tragic affair of the "Virginus," which so nearly led to a war between this country and Spain, displayed an enterprise in obtaining intelligence and a brilliancy of method in transmitting it which elicited flattering comments. This episode led directly to his establishment with the then brilliant staff of the New York *Tribune*, and his career since has been one of unbroken success. He was subsequently, for a time, editor-in-chief of the once famous Richmond *Enquirer*, and imparted to that staid journal a vigor and spice which astonished the natives. In 1876 he was commissioner from Virginia to the Centennial Commission, and becoming attached to the "Quaker City" remained there during several years in which he managed the *Times*, and afterward held a prominent position on the *Press*, engaging at the same time in other and successful literary undertakings. When the organization of the departments of the Columbian Exposition was undertaken, Major Handy was selected by Colonel Davis to create the bureau over which he now so ably presides. The tender came simultaneously with that by President Harrison of the appointment of consul-general to Egypt. Major Handy, however, decided to cast his fortunes with the Fair. His task was really the creation of a department, for the field was entirely unexplored; methods, as well as forces, had to be originated, and the territory to be covered was the globe. How thoroughly the work has been accomplished is best shown by the universal interest which has been created in the enterprise. A recent traveler through the remote East said on returning home that he had encountered in the most obscure hamlet no person who had not heard of Chicago and the great Exposition. Major Handy was married in 1869 to Miss Sara Mathews, of Virginia. His charm-

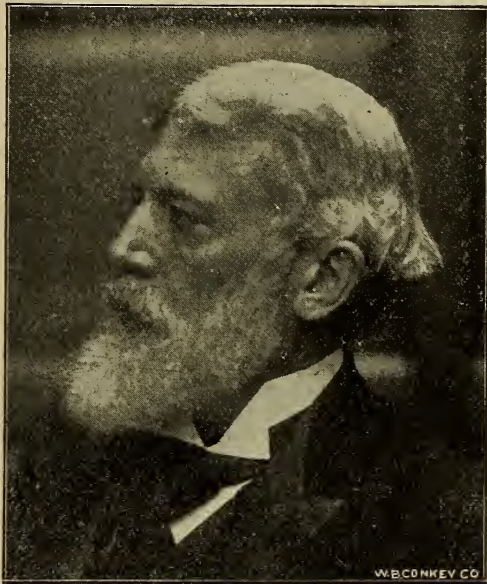
ing home in this city is brightened by the presence of interesting and attractive children. His life is one of arduous industry, but is not consumed with care; for he is the life and light of social occasions, and carries into every presence the easy tact and unaffected charm as a companion which made him famous as President of the Clover Club. Few men are so widely known; none more generally esteemed.]



DEPARTMENT P.--FOREIGN AFFAIRS.

THE wide scope and the successful performance of the duties for which the Department of Foreign Affairs is responsible is best shown by the complete and characteristic representation at the Exposition of nearly every country upon the globe. At the time of the organization of the department in July, 1891, although the invitation of the President of the United States to foreign governments had been formally accepted by many great nations, not an inch of space had been applied for except by domestic exhibitors, while abroad there was a general feeling of apathy that was disheartening to the promoters of the great international exhibition. To correct the erroneous impressions that had been industriously circulated a special commission was dispatched to Europe which, upon its return, was accompanied by representatives from England, Germany and Denmark, authorized by their governments to examine the preparations at Jackson Park and to apply for space if the situation seemed to warrant participation. The enthusiastic report of these experts, made almost simultaneously with the

announcement of patches received commissioners of who had been Japan, Australia, and South America succeeded by the world-wide interfor space, in some able and in some large, poured in letter, until at the year 1892 every the great buildings ed and the Expo- ment was com- structure after original plan, in most desirable could be accepted might be made for sources to be dis- that date the con- department has tion of modifying the overwhelming



WALKER FEARN, CHIEF.

gratifying dis- from the special the department sent to China, Southern Africa ica, were speedily awakening o f est. Applications instances reason- prepost e r o u s l y by cable and by opening of the available foot in had been demand- sition manage- pelled to add structure to its order that the foreign collections and that provision the enormous re- played. F r o m tinal effort of the been in the direc- and embarrassing requests of the countries beyond the borders of the United States by persistent and diplomatic endeavor, providing for the characteristic representation of many small but unique countries which the proclamation of the President failed to reach. The complete achievement of the former is evidenced by the cordial relations exist- ing among all the foreign representatives now in Chicago, and of the latter by the comprehensive and brilliant displays gathered at the Exposition from the national pavilions on the north; to the forestry exhibits on the south, and to the extreme western limit of the Midway Plaisance. At the opening of the Expo- sition five hundred commissioners representing forty-five nations are in attend- ance. These countries are Argentine Republic, Austria, Belgium, Brazil, British Guiana, Bulgaria, Canada, Cape Colony, Ceylon, Colombia, Costa Rica, Curaçao, Denmark, Ecuador, France, Germany, Great Britain, Greece, Guatemala, Honduras, Hayti, Holland, Italy, Jamaica, Japan, Jahore, Iava, Korea, Liberia, Mexico. New South Wales, Nicaragua, Norway, Orange Free State, Paraguay,

Persia, Portugal, Russia, Siam, Spain, Sweden, Switzerland, Trinidad, Turkey, Uruguay and Venezuela. In addition to these officially represented countries, splendid displays have been installed in the departmental buildings by representatives of China, Hungary, British India, Peru, Chile and many British, French, Spanish, Dutch, Portugese, German and other colonies. The care which has been exercised in providing that no country should be unrepresented by its products is instanced in the case of China, that government having declined the president's invitation to participate. Negotiations were conducted with the most influential merchants and manufacturers of China through the American Consular service, which have led to the establishment of one of the most interesting collections in the great Manufactures Building. The failure of the government of India to take official part was at least in some degree counteracted by the overtures which resulted in the erection of a typical Indian building upon the grounds, replete with the brilliant and varied collections of that vast empire, and which has received official aid. Similar methods have secured the artistic manufactures of Hungary, as well as the natural resources of the islands of the Pacific Ocean, and numerous contributions without which the Exposition could hardly be deemed complete. Although its business has been conducted with scrupulous economy, the Department of Foreign Affairs has been compelled to spend more money than any other department of the Exposition, save that of works. It has received nearly 10,000 written communications and dispatched more than 25,000. Although the department has had in its daily mail hundreds of letters in many languages, English has been naturally adopted as the official language of the Exposition and generally used in correspondence. A commodious parlor, well furnished with tables and writing manterials, has been provided for the use of foreign commissioners in the offices of the Department of Foreign Affairs in the Administraton Building, which is a rendezvous for a large number of these gentlemen. Attaches of the office speaking nearly all tongues, are always present to give all information required.

[Walker Fearn, though born in Alabama, comes from a long strain of Virginian ancestors, Huntsville, his birthplace, was laid out by his great-grandfather, Leroy Pope. His grandfather, John W. Walker, from whom he was named, was president of the convention which framed the constitution precedent to Alabama's admission as a State of the Union. The subject of this sketch entered Yale College in the class of 1848, and graduated with honor three years later. Having read law with the late John A. Campbell he was admitted to the bar on his twenty-first birthday, and soon entered into active practice; but in 1853 began his varied experience in foreign lands by accepting the post of secretary of legation to the Belgian mission. Subsequently he occupied the same position in the Mexican legation, Hon. John Forsyth being then minister to that power. Later he made an extensive and protracted tour of Europe. In 1861 he was one of the Confederate commissioners to European powers, and returned to Charleston under fire of the blockading fleet. Entering the Southern army, Colonel Fearn was at first assigned to the staff of General Joseph E. Johnston, then commanding in Virginia. In 1863 he was again employed in the diplomatic service, first in Europe with L. Q. C. Lamar, since a Justice of Supreme Court of the United States, and afterwards to Mexico with General William Preston. His final military service was as adjutant-general of the trans-Mississippi Department under Kirby Smith, and here the close of hostilities found him. After his marriage with Miss Hewitt, of Kentucky, in 1866, Colonel Fearn devoted himself to the practice of law in New Orleans (also holding a professorship of modern languages in the University of Louisiana) until 1884, when he visited Europe as commissioner of the New Orleans Exposition. He was appointed by President Cleveland minister to Greece, Roumania and Servia; and at the close of his term established a law firm in London and New York. Colonel Fearn by his experience and acquaintance abroad was pre-eminently fitted for the management of the department to which the director-general invited him. His administration of the office has been successful in the highest degree, and has added to a reputation already high.]

GENERAL INFORMATION.

Description and Location of Buildings Other Than Departmental, State and Foreign—Railroad, Steamboat and Street car Lines to the Exposition—Directory of Officers in the Administration Building—The Fountains and Statuary—All the Features and Points of Interest on the Grounds.

Administration Building.—This building is one of the gems of the Exposition palaces. It is located immediately north of Machinery Hall, south of the Mines and Electricity buildings, east of the Terminal Railroad station and west of the Basin.

The most conspicuous object which attracts the gaze of visitors on reaching the grounds is the gilded dome of this lofty building. The structure covers an area of 260 feet square and consists of four pavilions 84 feet square, one at each of the four angles of the square, and connected by a great central dome 120 feet in diameter and 220 feet in height, leaving at the center of each façade a recess 82 feet wide, within which are the grand entrances to the building. The general design is in the style of the French renaissance. The first great story is in the Doric order, of heroic proportions, surrounded by a lofty balustrade and having the great tiers of the angle of each pavilion crowned with sculpture. The second story, with its lofty and spacious colonnade, is of the Ionic order.

The four great entrances, one on each side of the building, are 50 feet wide and 50 feet high, deeply recessed and covered by semi-circular arched vaults, richly coffered. In the rear of these arches are the entrance doors, and above them great screens of glass, giving light to the central rotunda. Across the face of these screens, at the level of the office floor, are galleries of communication between the different pavilions.

The interior features of this great building even exceed in beauty and splendor those of the exterior. Between every two of the grand entrances, and connecting the intervening pavillion with the great rotunda, is a hall or loggia 30 feet square, giving access to the offices and provided with broad, circular stairways and swift-running elevators.

Above the balcony is the second story, 50 feet in height. From the top of the cornice of this story rises the interior dome, 200 feet from the floor, and in the center is an opening 50 feet in diameter, transmitting a flow of light from the exterior dome overhead. The under side of the dome is enriched with deep panelings, richly molded, and the panels are filled with sculpture in low relief, and immense paintings representing the arts and sciences. In size this rotunda rivals, if it does not surpass, the most celebrated domes of a similar character in the world.

The building is divided into four grand pavilions known as A, B, C and D, occupied from the ground to and including the third floor by officials of the Exposition, express, telegraph and telephone companies, bank, press headquarters, café, Columbian guard, etc., explained below. Above the third floor are four tunnel passages leading from one pavilion to another. The fourth floor is a circular colonnade for sightseers, and from the fifth floor stairways lead to the top colonnade. The occupants of the building are as follows:

Director-General.—The entire second floor of the northwest pavilion (B). Entering the rotunda from the north, take the first section of elevators to the left.

Council of Administration.—The right-hand rooms of the first floor of Pavilion B.

President and Secretary of the Exposition.—The left-hand rooms of Pavilion B.

Secretary of Installation.—South room of the ground floor of Pavilion B.

Collector of Customs.—North room of the ground floor of Pavilion B.

Committee on Awards.—Entire third floor of Pavilion B.

President National Commission.—Right-hand room of the second floor of the southeast pavilion (A). Entering the rotunda from the north, take the second section of elevators to the left.

Secretary National Commission.—Rooms to the left of the second floor of Pavilion A.

National Commission.—Room to the left of the third floor of Pavilion A.

Committee on Ceremonies.—Room to the right of the third floor of Pavilion A.

Western Union and Postal Telegraph Companies.—Entire ground floor of Pavilion A.

President Board of Lady Managers.—Entire first floor of Pavilion A.

Publicity and Promotion.—Second floor of the northwest pavilion (C). Entering the rotunda from the north, take first section of elevators to the right.

Office of the Official Publications.—The Exposition headquarters of the W. B. Conkey Company, publishers of official works to the Exposition, are in handsomely furnished apartments adjoining the main office of the Chief of Publicity and Promotion in Pavilion C, on the second floor. This company's plant is located in two immense seven-story buildings—Nos. 341 to 351 Dearborn street and 63 to 71 Plymouth Place—the largest general printing and book manufacturing establishment in the United States. Here the complicated mechanical work of getting out the *Official Directory*, the *Official Catalogue*, the *Guide*, and other Exposition publications, is carried on, in which over 1,200 employes are engaged in the colossal undertaking, and where specially prepared machinery and skilled labor are employed. Beside this large number of employes, over 2,000 others are engaged in the editorial, translating, compiling, clerical, advertising and art departments; in traveling, supervising and soliciting, the scope of their duties covering all parts of the United States, Europe, and indeed, all quarters of the globe. Communication is had from the editorial department of the publications in the Administration Building to the publication offices down-town by private telephones and messengers. The company has also on the grounds a corrugated iron building, 50x100 feet, with their own special railroad track leading to it, located in the southern part of Jackson Park. It is used as a depot for their supplies and also as a drill-room for the company's battalion of uniformed boys who are engaged in the sale of the *Official Catalogues* of the different departments. These boys, in their scarlet and black uniforms with gold letters on the cap, marching to their respective posts, are a very attractive feature, Commandant Rice having detailed an officer to instruct them so that their appearance is soldierly in its bearing. There are storage booths in each department where a supply of the *Catalogues* is kept and from which each boy replenishes his stock as it is exhausted.

Press Associations and Foreign Press.—The entire ground floor of Pavilion C.

Local Press.—The entire first floor of Pavilion C.

Cafe.—The entire third floor of Pavilion C.

Foreign Affairs.—The entire second floor of the southwest pavilion (D). Entering the rotunda from the north, take the second section of elevators to the right.

Express Companies.—The entire ground floor of Pavilion D.

Bank.—The entire first floor of Pavilion D.

Lockers of Columbian Guard.—The entire third floor of Pavilion D.

Admission.—An admission fee of 50 cents entitles the visitor to see and enter all the Exposition buildings, inspect the exhibits, and, in short, to see everything within the Exposition grounds, except the Esquimaux Village and the reproduction of the Colorado Cliff dwellers. For these as well as for the special attractions on Midway Plaisance a small additional fee is charged. While the plaisance is a portion of the Exposition grounds, it is devoted wholly to side exhibitions. Still the visitor may pass through this strip of land without cost and see the beautiful buildings which have been erected as characteristic of half a score of foreign nations. There are no commutation rates of admission. The charge of 50 cents is made for each admission of all visitors over twelve years of age. Children under six years of age are admitted free when accompanied by attendant with admission ticket; over six and under twelve, 25 cents.

Admissions and Collections Building.—This building is occupied by the auditor, treasurer, superintendent of admissions and superintendent of collections and their staffs. The building is 162x70 feet, two stories high and covers a ground area of 11,340 square feet. It is located immediately west of the Horticultural Hall and north of the Service Building. It cost \$35,000.

Annexes.—All of the annexes are scarcely less imposing and architecturally beautiful than the main buildings themselves. The live-stock sheds, which cover an immense area, were constructed as inexpensively as possible without marring the general architectural effect. The power houses, pumping works, etc., are exhibits in themselves, and so constructed as to be readily inspected by visitors.

Area of Buildings.—The total exhibition area under roof of all the buildings erected by the Exposition company is 199.9 acres. Of this, about 50 acres are in galleries, and 40 acres in the live-stock sheds.

Area of the Grounds.—Six hundred and thirty-three acres. Of this, 80 acres are in the Midway Plaisance and 553 acres in Jackson park. There was available for buildings 556 acres, there being 77 acres in the wooded island and the interior water-ways.

Art Institute.—The Directory of the World's Columbian Exposition contributed \$20,000 toward the building of the new Art Institute, located on the Lake Front, at the foot of Adams street, and the Exposition is interested in the institution to the extent of its use for the World's Congress Auxiliary. It is built of stone, in renaissance style, and is 340 feet long and 180 feet wide. It cost \$600,000. It is open free to the public as an art institute on Wednesdays, Saturdays, all legal public holidays, and from 1 to 5 o'clock Sundays. At other times, except when the Congresses are in session, an admission fee is charged.

Attractions to which an Extra Fee is Charged.—Following are the attractions on the grounds to which, in nearly all cases, an extra fee is charged in addition to the admission fee of 50 cents. These attractions are the property of private individuals or corporations and are not integral parts of the Exposition proper:

Constantinople Street Scene, Midway Plaisance—Turkish Theatre (two performances daily), admission 50 cents; Persian tent, admission 25 cents; panorama, Syrian photos, admission 25 cents; Turkish restaurant, native musical performances, tribe of Bedouins, admission 25 cents.



W. B. CONKEY.

PRESIDENT W. B. CONKEY COMPANY,
OFFICIAL PUBLISHERS TO THE WORLD'S COLUMBIAN EXPOSITION.

Cairo Street, Midway Plaisance—Egyptian amusements, native dancing, snake-charmers, fortune-tellers, conjurors, musical and theatrical performances, collections, photos, pictures and paintings, wedding processions and mouled; admission until 11 a. m. 25 cents, reserved seats 25 cents; after that hour free. Egyptian temple, admission 25 cents.

Dutch East India Village, Midway Plaisance—Two theaters (one on each side of street), exhibitions by native bands, jugglers, snake-charmers, dancers (male and female), and other characteristic entertainments. Admission fees to be approved by Committee on Ways and Means. At present, admission 25 cents.

German Village and Town of Mediæval Times, Midway Plaisance—German and Bavarian bands in connection with restaurant, museum of curios, antiquities, and works of art peculiar to Germany. Admission 25 cents. German tribes representing house of the Upper Bavarian Mountains, Black Forest or Alsatian, the Allman Tribe, the Hessian or Altenburg House of Silesian Bauren, Middle Germans, Westphalian Hof of the Lower Saxons, etc. Such tribes and houses to constitute the village.

Natorium, Midway Plaisance—Natorium with musical performances. Admission, with use of baths, 50 cents.

Esquimau Village, Jackson Park—Esquimau village, Labrador trading post, and native exhibit. Admission 25 cents.

Moorish Palace, Midway Plaisance—Exhibit and sale of native goods, chamber of horrors, trip through Switzerland, trip to the moon, camera obscura, representatives in wax, etc. Moorish Palace, right to exhibit \$1,000,000 in gold coin. Cafe in connection. Admission to amusement features, 25 cents.

Panorama of Bernese Alps, Midway Plaisance—Scenery of Switzerland. Admission 50 cents.

Panorama of Volcano of Mount Kilauea, Midway Plaisance—Painting to faithfully reproduce in miniature the volcano action of the crater of Mount Kilauea. Admission 50 cents.

Algerian Village, Midway Plaisance—Algerian village, Tunis and Algeria streets and bazaars, etc., concert hall, cafe, Kabyle House, tents, etc. Admission 25 cents.

Hungarian Concert Pavilion and Cafe, Midway Plaisance—Musical entertainments, theatrical performances, gypsy bands, native performers in native dress. Admission 25 cents.

Venetian Glassware and Mosaics, Midway Plaisance—Factory in full operation, sale of Venetian and Florentine wares. Admission 25 cents.

Chinese Village, Midway Plaisance—Chinese village, theatre with native performers. Joss house and Chinese tea garden and cafe. To theatre and Joss house admission 25 cents.

Irish Village and Blarney Castle, Midway Plaisance—Representing ruins of Blarney Castle, exhibit and sale of Irish products by natives.

Lectures on Animal Locomotion, Jackson Park—Lectures on Animal Locomotion, illustrating science of animal locomotion and zoöpraxiscopic fans. No admission charge.

Nippon Tea House, Wooded Island, Jackson Park—Japanese tea house, light lunches and samples of high priced teas. Admissions 10 cents, 25 cents, and 50 cents.

Persian Building, Midway Plaisance—Exhibit and manufacture and sale of distinctively Persian goods. Musical entertainments, etc., native artisans and performers. Admission 50 cents.

Ruins of the Cliff Dwellers, Jackson Park—Representation of ruins of the Cliff dwellers, antiquities and curiosities connected therewith. Admission 25 cents.

Costumed Natives of Forty Countries, Midway Plaisance—Exhibit of natives, appropriately costumed, from at least forty of the countries of the world; sell photographs of same. Admission 25 cents.

Typical Irish Village with Native Inhabitants, Midway Plaisance—Admission 25 cents.

Japanese Bazaars, Midway Plaisance—Manufacture and sale of Japanese articles; native attendants. No admission fee.

Vienna Cafe and Concert Hall, Midway Plaisance—Restaurant with musical performances. No admission fee.

Competitive Musical Exercises, Festival Hall—Musical exercises Sept. 6, 7, and 8. Prices to be approved by Exposition company.

Model of St. Peter's Church, Rome, Midway Plaisance.—Admission 25 cents.

Hagenbeck's Zoological Arena, Midway Plaisance—Exhibition of wild animals, etc. Admission to building 25 cents. Seats in amphitheater from 25 cents to \$1.

Tunisian Exhibit and Cafe, French Government Section, Jackson Park.—Cafe with musical entertainments and exhibit of Tunisian goods. No admission fee.

Mammoth Crystal Cave, Horticultural Building.—Reproduction of the mammoth crystal cave situated near the City of Deadwood, S. D. No admission fee.

Model Eiffel Tower, Midway Plaisance—Model twenty feet in height. Admission 25 cents.

Vienna Mænnnerchor Society—Musical exercise in Festival Hall during the summer months of 1893. Prices to be approved by the Bureau of Music.

Whaling Bark "Progress," South Pond—The old whaling bark "Progress," to install and maintain therein a museum illustrating the whaling industry. To contain all marine curiosities and relics. Admission 25 cents.

Electric Scenic Theatre, Midway Plaisance—Showing a landscape or other scenes under the changing light as a day passes. The effects being produced by a multitude of various colored electric lights. Admission 25 cents.

East Indian wares, Midway Plaisance—Exhibition and sale of native wares. No admission.

Festival Hall, Jackson Park—Musical entertainments by world's famed artists and musical societies throughout the Exposition period. Price of admission \$1.

Captive balloon, Midway Plaisance.—Balloon ascensions; elevation 1,500 feet, two trips an hour. Admission to inclosure 25 cents; trip in balloon \$2. Each passenger making ascension is entitled to photograph of party.

Barre Sliding Railway, Midway Plaisance—10 cents a ride.

Constantinople Street Scenes, Midway Plaisance.—Sedan chairs. Rent, with two native carriers, \$1 an hour.

Cairo Street Scenes, Midway Plaisance—Donkey and camel rides; 50 cents an hour for donkeys, 25 cents for ride through street on camel.

Dutch East India Village, Midway Plaisance—Palkees and other native vehicles for transportation. Prices to be approved by Committee on Ways and Means.

World's Fair Steamship Company—Transportation of passengers to and from Jackson Park, round trip 25 cents,

Electric Intramural Railway—Elevated railroad about Jackson Park, 10 cents for round trip or part thereof,

Steam Launches—Transportation through outer lagoons, basins and Lake Michigan, round trip 25 cents.

Electric Launches—Transportation through lagoons and basins, round trip 25 cents.

Wheel Chairs—Roller chairs about grounds and buildings, 75 cents an hour with attendant, 40 cents an hour without attendant.

Venetian Gondolas and Barges—About lagoons and basins, with gondoliers, 50 cents per round trip.

Elevators in Transportation Building—Ten cents a ride.

Elevator to the Roof of the Manufactures Building—Fifty cents for trip.

Vertical Revolving Wheel, Midway Plaisance—The wheel 250 feet in diameter and 137 feet in height; 50 cents for ride of two round trips.

Movable Sidewalk, Long Pier, Jackson Park—Electrically propelled sidewalk; 5 cents a ride from shore to end of sidewalk, or vice versa.

Boats.—The interior waterways of the ground are equipped with speedy small boats for pleasure and transportation purposes. The boats are driven by steam and electric power. Every principal building on the grounds can be reached by water, and there is an ornamental landing for each. There are three classes of boats—first, the "omnibus," carrying from thirty to forty passengers, which makes the round trip of the waterways, stopping at each landing; second, the "express," which makes round trips of the waterways without stopping; third, the "cab," which may be hailed at any point, like the hansom cab on the street, and employed by the trip or by the hour. Besides these boats genuine Venetian gondolas ply the streams.

Bonded Warehouse.—Near the Sixty-seventh street entrance where foreign goods for exhibit are unloaded.

Bridges.—There are sixteen bridges over the lagoons and canal, with iron trusses, each ornamented architecturally to a high degree.

Building Material.—In the erection of the Exposition buildings it is estimated 75,000,000 feet of lumber are required. This represents 5,000 acres of standing trees. The structural iron and steel required is 20,000 tons.

Children's Building.—This structure is 150 feet long by 90 feet wide. The plan of the ground floor shows two principal entrances on the north side, connected with large galleries which allow the visitor to look at the crèche on the west side. There are large assembly and exhibition rooms on the east, offices on the north, and in the middle of the building a large hall devoted to physical culture. On each side of the offices are stairs for the use of children and on the opposite side is a large stairway for visitors. On the second story are four principal rooms which can be seen from galleries. They are devoted to deaf mutes, slöjd, kitchen garden and kindergarten. On the third story is a play garden roof, protected by awings, decorated with all sorts of plants and with two large aviaries full of birds. The exterior of the building is very plain, for a pretentious classic architecture would be out of place there. The only decoration of the walls is a frieze painted on a blue ground and eight medallions of children. All that is drawn in modern American style. The cost of the building is \$30,000.

Cliff Dwellers.—The adobe home of the Cliff Dwellers is near the Anthropological Building. The home is a reproduction of Battle Rock Mountain in the MacEimo Valley of Colorado. It is built of stone, iron, staff and wood, but is artistically arranged to imitate nature, and is covered with vines and moss. The entrance is through a cave in the side of the mountain. The interior contains cactus and other vegetation. Caverns open from the sides of the cañon and in them may be seen a mummy, utensils, etc., as found on the original site. Various implements of the dwellers are scattered around.

Columbian Guard.—A military organization, under the control and direction of the Exposition company, and having no connection with the city police department. The guard is under command of Col. Edmund Rice, U. S. Army, whose title in the guard is commandant. The guards do police and fire-patrol duty inside the grounds and at the gates. It numbers 2,000 men. The secret service part of the command is under charge of John Bonfield.

Colonel Rice started out with the idea of making the Columbian Guard a model organization of selected men, physically, mentally and morally qualified for the work required of them. The following officers of the regular army were detailed to assist Colonel Rice in his duties, and



PUBLIC COMFORT BUILDING.



CHILDREN'S BUILDING.

were assigned as follows: Captain Fred A. Smith, Twelfth United States Infantry, as adjutant of the guard and commanding Company E and patrol system; First Lieutenant C. B. Hoppin, Second United States Cavalry, as quartermaster, and First Lieutenant R. J. C. Irvine, Eleventh United States Infantry, commanding Company B. Each member of the Guard performs his eight hours of duty during the twenty-four. The two reliefs which do the work during the day have four hours on, then four hours off. The night relief has a continuous tour of eight hours. It is all so arranged that no two companies or reliefs are changing at the same hour, day or night. The uniform consists of a light blue cloth sack coat, ornamented with five rows of black braid across the front, each row terminating in a clover-leaf knot; black braid on the cuffs of the sleeves, with three small brass buttons on each cuff and five large ones down the front of the coat. The trousers are of a lighter blue than the coat and trimmed with two rows of flat black braid down each outside seam with a narrow red stripe between. The fatigue cap is made high for the addition of a black pompon on occasions of ceremony, which, together with the black braid shoulder knots and aiguillettes with belt and short sword, constitutes the full dress. The ornaments are a blazing sun, from the center of which an eagle's head appears, worn on the left breast; a whistle for the purposes of signal and alarm; on the right breast a cross-bow after the pattern of 1492, on which is the guard's number, and on the cap a crossed gun and sword in the center of which is a miniature morion, or leather helmet, such as was in vogue during the time of Columbus.

Cold Storage Building.—This pavilion is 150x255 feet. It is Romanesque in style, and five stories high. At each corner there is an imposing tower, from which an extensive view of the grounds may be had. The central tower is a "smoke stack," and probably the most artistic one ever seen. It is 191 feet in height and elaborately decorated. In this building the most interesting features are the three 120 ton "Hercules" Ice Making Machines, and the visitors can see there how artificial ice is made.

Casino.—This is one of the most popular structures on the grounds, and it is generally admired for its beauty of architecture. It is located at the south end of the Peristyle, and its dimensions are the same as the Music Hall at the north end, 140x260 feet. It contains restaurants and resting room as a part of the Bureau of Public Comfort, and is a favorite resort for visitors.

Compared with Paris and Philadelphia Expositions.—That the World's Columbian Exposition at Chicago in 1893 is by far the greatest Exposition ever held is shown by the following comparison:

	Paris.	Philadelphia.	Chicago.
Area of grounds in acres.....	238	284.49	633
Area occupied by buildings in acres.....	75½	70.08	142½
Number of main buildings.....	5	23	28
Cost of buildings.....	\$3,903,760.08	\$5,189,828.32	\$7,286,032.46
Cost per square foot.....	\$1.74	\$2.16	\$1.39
Area covered by buildings, square feet.....		3,052,684	6,487,390
Exhibit space (approximate).....		4,323,330	9,138,888

Convent of La Rabida.—An exact reproduction of the Convent of La Rabida in Spain, where Columbus found shelter, in time of trouble, for himself and boy, and where, it is said, he developed his theory of an undiscovered continent in the west, has been erected in the southern part of the grounds. The building is considered more closely connected with Columbus and his great work than any other. It cost \$50,000.

Daily Columbian.—This is a daily news paper made up of the first pages of *Tribune*, *Herald*, *Record*, *Times* and *Inter-Ocean*, and three other pages of matter collected, edited, set up and printed on the grounds. It serves as an exhibit of how a morning newspaper is produced.

Electricity.—Seventeen thousand horse-power for electric lighting is provided for the Exposition Company. This is three times the electric lighting power in use in Chicago and ten times that provided for the Paris Exhibition of 1889. There is 9,000 horse-power for incandescent lights, 5,000 for arc lights, and 3,000 for machinery power. This supplies 93,000 incandescent lights and 5,000 arc lights. The buildings provided with electric power are: Mines, Electricity, Agriculture, Transportation, and Manufactures. The electric plant cost \$1,000,000.

The scheme for lighting the main basin on fete nights during the Exposition includes thousands of incandescent lights of different colors. One row extends just above the water's edge all around the basin, and another row reflects deeper into the water from a few feet higher up. Still higher on the loggias of all the buildings that surround the basin are other rows of lights with here and there a handsome design. Rows of lights also reach around the colonnade story of the Administration building, while the lower part of the building is lighted from the dome and sides. At the base of each tier of the MacMonnies fountain is another row of lights, over which the water falls from the basin above. There are also various search-lights to help out the effect. One of these is placed in the mezzanine floor of the Administration Building to play on the MacMonnies fountain. Another on the Electricity Building throws its light on the Statue of the Republic at the east end of the basin, and still others are employed to help out at other places. The effect of all these many-hued lights reflecting in the water is dazzling and beautiful.

Festival (Choral) Hall.—This building stands upon the shore of the lagoon at a point where the two great promenades meet. Its location enables it to be seen from distant parts of the grounds across the lagoon with its beautiful wooded island and green shores. To one side stands Horticultural hall, while Transportation hall stands on the other. The style of the building, which is Doric, makes it simple and severe in treatment; its form, which resembles an amphitheater surmounted by a dome, gives the building, both externally and internally, a rounded form, from which project on the four sides porticoes, the one facing the lagoon being the principal entrance, and enriched by fluted Doric columns six feet and a half in diameter. From the portico leads a flight of spacious steps, at the foot of which stand two statues, being reproductions of celebrated marbles of Handel and Bach. On either side of the portico are panels in relief work representing the progress of music, and in the panels over the doors are relief portraits of Gluck, Berlioz, Wagner, Schumann, Schubert, Mozart, Mendelssohn, Bach, Handel and Beethoven. The interior has the form of a Greek theater, except that the chorus of 2,500 voices occupies the part assigned by the Greeks to the stage, and thus it becomes amphitheatrical in form. There are no galleries of any kind to obstruct the view or sound. The building will seat 6,500 persons. The decoration of the interior is in the same order as the exterior in relief work and color. A large foyer extends around the building, giving ample room for promenade.

Fire Department.—During the construction work it consisted of eighteen men, three engine houses, three two-horse engines, one one-horse engine, one sixty-gallon hand tank (at the Forestry Building), twenty-six hose carts, with 13,250 feet of hose, and 470 chemical hand extinguishers. The fire pressure is 100 pounds to the square inch, supplied by the engines in the temporary power house. In the complete system of fire protection there is in each building a water stand-pipe, extending from the ground to the roof. Attached to the pipe on each floor, gallery and roof is a reel of hose which throws water automatically with the unreeling of the hose. During the Exposition there is a fire patrol on every floor, gallery, and roof. The city fire department is at the call of the Exposition force.

Fountains.—The McMonnies fountain stands at the head of the Basin, immediately in front of the Administration Building. Its waters are illuminated by electricity. There are two electrical fountains fifty feet in diameter, to the right and left of the McMonnies fountain, two smaller fountains in front of the Fine Arts Building and one in front of the Woman's Building. Certainly no more striking, and perhaps no more perfect a work of art can be found among the groups and figures of sculpture which adorn the grounds than MacMonnies' fountain. It arrests attention even among the wealth of attractive objects which are visible in that portion of the park, and grows upon the admiration as one observes and comprehends the exquisite detail in which the artist has executed a design of bold and large conception. Mr. MacMonnies is the sculptor of whose fertility of imagination and skill in production this Pæan is the creation. The idea presented by the work is that of Columbia, the genius and apotheosis of modern liberty. The ship of state floats in the center of a circular basin, or lake, and is idealized by a triumphal barge. In the prow is a winged figure of Victory heralding the advance of Freedom by blast of trumpet, and bestowing laurels on her champions with the disengaged hand. The barge is attended by eight sea-horses, each bestridden by the animated figure of a youth who urges his steed onward. The rowers are eight female figures, representing Music, Architecture, Sculpture, Painting, Agriculture, Science, Industry, and Commerce. These stand on platforms which rest on shields and moldings of emblematic device; the forward poise of the bodies as they lean to the oars, and the tresses and drapery blown to the rear, conveying the sense of rapid motion. At the helm is a hoary, omnipotent Time. Amidship, on a massive pedestal bearing the arms of the republic, is Throned Columbia, calm and erect in conscious strength, but pose and features expressing vigilance as becomes one who knows the price of liberty. Her feet rest on the globe in token of Freedom's triumph, her right hand rests lightly on the back of the chair around which her garlanded and happy children kneel; in the left hand she extends aloft the torch that lights the world. Victory at the prow; Time at the helm; the Genius of Liberty sailing with serene confidence toward the Future. Such is the story of the sculpture. The proportions of the work are on a grand scale. The smallest figure is 12 feet in height. The culmination of brilliant effects produced when the great electric fountains on either side of the MacMonnies memorial are brought into play. They are much larger than anything of the kind ever attempted before and were put in at a cost of \$50,000. The basins in which the apparatus is fixed are 60 feet in diameter. The floors are pierced for 304 jets altogether, by means of which the water is sent to a height of 150 feet. Like the rest of the display the prettiest effects are produced by concealed lights, thus doing away with the marring by the glare of the exposed light while adding the charm of mystery to the source of illumination. The whole apparatus is controlled by electric signals from one of the domes of Machinery Hall. From there the different lights are turned on and the transition from one form to another controlled. A 36-inch main supplies the water. Illumination is by 38 arc lights of 100 amperes each, requiring nearly 1,000 horsepower in operation.

Grading and Dredging.—In this preparatory work, about 1,200,000 cubic yards of earth were handled. The work began in February, 1891, and was finished the following July. Cost, \$495,000. The ground was originally a series of sand ridges, covered with scrub oak trees.

Grand Central Court.—The center or axis of the court is formed by the water basin. Its foot is marked by the Peristyle, its head by the Administration Building. It is flanked on the north by the Manufactures, Electricity and Mines buildings, and on the south by the Agricultural and Machinery buildings. The completed work presents a magnificent view by day and a gor-

geous spectacle by night. The court at night is elaborately illuminated with electricity. The architectural outlines of the buildings and the shore lines of the basin are delineated in incandescent lights. Powerful search lights bathe the marble-like palaces in floods of ever changing light, and the great electric fountain at the head of the Basin will, at times, spout an iridescent deluge.

Guides for Strangers—Uniformed guides are scattered over the grounds to conduct strangers to points of interest.

How to Reach the Grounds.—The Exposition grounds include all of Jackson Park and the Midway Plaisance, and lie seven miles south of the City Hall, or center of the down-town district.

Visitors can reach the grounds from the city:

By the Illinois Central railroad, leaving the cars at South Park station, Sixtieth street, or Woodlawn Park station. Starting from the pier at the foot of Van Buren street special World's Fair trains run through to the Exposition, without stopping at way stations, making the trip in fifteen minutes. These trains begin running at an early hour in the morning, and are run every five or ten minutes as occasion may require. Fare each way, 10 cents. Regular suburban trains run from the foot of Lake street, stopping at Van Buren, Congress, Sixteenth, Twenty-second, Twenty-seventh, Thirty-first, Thirty-sixth, Thirty-ninth, Forty-third, Forty-seventh, Fiftieth, Fifty-seventh, Sixtieth and Sixty-third streets, making the time in twenty minutes. Single fare each way, 22c cents. A twenty-five-ride commutation ticket from Lake street to Sixty-third street, good for passage on suburban and World's Fair trains, can be purchased at any of the company's ticket offices for \$2.50. The capacity of the Illinois Central is 50,000 per hour.

By World's Fair Steamship company, leaving the docks on the Lake Front, between Monroe and Van Buren streets, and landing at the Exposition pier, opposite the foot of Sixty-third street. Round trip fare, 25 cents. Capacity, per hour, 15,000 passengers.

By the Cottage Grove avenue cable cars, which run as far as the South Park entrance to the grounds. Fare, 5 cents each way. Capacity, per hour, 20,000 passengers.

By the State street cable cars. Fare, 5 cents each way. Capacity, per hour, 20,000 passengers.

By the Elevated Railroad from Congress street, which runs to the Sixty-third street entrance. Fare, 5 cents each way. Capacity, per hour, 20,000 passengers.

By Baltimore & Ohio and Northern Pacific lines. Capacity, 15,000 per day, from western suburbs.

By numerous cabs, hacks and coaches and by water crafts from landings on the river.

Indian School.—This building is a two story frame, 124x28 feet, with a one story L in the rear, 37x31 feet. These are exterior dimensions. The interior dimensions differ but slightly, as it is an ordinary balloon frame. The first floor has rooms arranged along one side of an eight-foot hall, which will be used as two shops, one sewing-room, one sitting-room, two reception-rooms, one school-room and two toilet-rooms. The L contains a dining-room and two pantries. From each end of the hall are stairways leading to boys' dormitory, girls' dormitory and seven rooms for employes on the second floor. On the walls of the lower hall, which is well lighted, are cases containing specimens of Indian school work. A plain roofed porch in front of the entrance is forty feet long and ten feet wide. The building cost \$7,300.

Insurance.—The amount of fire insurance carried is about \$15,000,000. The Exposition company insures only its own property, or property held by it in trust.

Interior Water-ways.—Include eight divisions of water within the grounds, connecting with one another. The "Basin" extends east from the Administration Building to Lake Michigan. It contains 10¾ acres. The "south canal," 2½ acres, extends south from the head of the Basin. The "north canal"—3¼ acres—extends north from the head of the Basin. The lagoon around the wooded island contains 23 acres. The lagoon, north of the island, running to Lake Michigan, contains 3¼ acres. The lagoon, south of the Agricultural Building, contains 8¾ acres. The Lake, south of the Fine Arts Building, 7½ acres. The pond, in the north part of the grounds, contains 1½ acres. Total area of interior water-ways, 61 acres.

Intramural Railroad.—The car house and power house for the railroad are east of the dairy barns. The road is elevated, has electric power, and will transport visitors about the grounds.

Krupp Gun Exhibit.—One of the most interesting places to visit is the Krupp quarters in the southeastern part of the grounds. This famous gunmaker, who was asked personally by his Emperor to make a showing here, has erected a building 85 feet by 200, with an annex on each side running the length of the building and 25 feet wide. The two side buildings are given up to the various kinds of iron and the big one is devoted exclusively to guns, big and little, slow firing and quick, for marine and land batteries. The big gun weighs 122 tons, is 48 feet long, with a 42-centimeter bore, and fires an explosive shell weighing 2,300 pounds a distance of sixteen miles. This is the largest gun in the world and it costs \$1,250 to discharge it. Gishert Gillhausen, the engineer who represents Krupp here, suggests that even though the cost was large the directors of the Exposition might save money after the show closed by firing the gun, as the concussion would undoubtedly knock down all the great buildings in Jackson Park and thus save a lot of labor in their removal. Beside the big gun there are two naval guns, one 36 feet long, weighing 65 tons; another 37 feet long, weighing 45 tons. These two are worked by hydraulic pressure. Two more, designed for coast defense, one 32 and the other 25 feet long, weighing respectively 33,000 and 15,000 pounds, are shown. They are of a new pattern. Armor

plates are shown from 10 to 16 inches thick, but nothing has been made thick enough yet to stop that 2,300-pound shell. The value of the Krupp display is about \$1,000,000.

Leather and Shoe Trades Building.—The Leather and Shoe Trades Building is situated on the shore of the lake, south of the great central basin, southeast of the Agriculture Building, and lies between the Krupp Gun Exhibit and the Forestry Building. It is 575 feet long and 150 wide, its greatest length being from north to south. In the center of the building is a hall, 64 feet wide by 480 feet long and 50 feet high; around the hall are the galleries, 42 feet wide, 13 feet high on the first floor, and 22 feet high on the second floor. The building is well lighted by 520 windows and skylights, and is built entirely of wood. The exterior covering is of staff and plaster. Two large stairways at the end of the hall lead to the galleries or second story; two small ones, in the center of the building, lead directly to the offices and restaurant. A bridge at the height of the first floor crosses the main hall. The building was erected by the subscribers to the stock of the World's Columbian Exposition, on account of the Leather and Shoe Trades Building. Work upon this building was commenced December 5, 1892, and completed and ready for the reception of exhibits on April 1, 1893. It contains all the domestic exhibits of leather, boots and shoes, rubber boots and shoes, and of the allied trades; also the exhibits of leather, in all forms, from all the foreign countries exhibiting at the World's Columbian Exposition. Fine exhibits have been prepared by a large portion of the shoe and leather trade of the United States and the following countries, and are shown in the building, erected exclusively for leather, viz: France, Germany, Russia, Austria, Spain, Japan, Mexico, Brazil, Venezuela and the Argentine Republic. There is also shown in the building leather curios from the different foreign countries, such as the native foot-gear, clothing, harness, saddles, bags and such articles from museums and private collections as have been made famous by age and association. A model shoe factory is in operation in this building, and more than one thousand pairs of shoes are manufactured daily during the Exposition. The entire second floor is devoted to machinery, which includes the model factory, shoe, leather and rubber machinery. Mr. Clinton Collier is the superintendent of the Leather and Shoe Trades Exhibit, and the display is a part of the Department of Manufactures.

Living Indians.—Various tribes of American Indians are encamped near the Anthropological Hall and this is one of the attractive features of the Ethnological Exhibit. The Indians live on the grounds in the same manner they do on their respective reservations, showing their canoes, costumes, hunting and fishing apparatus, trinkets, etc.

Machine Shop.—A complete outfit of repairing tools and machines is furnished free as an exhibit. The machine shop, pump house and power house cost \$85,000.

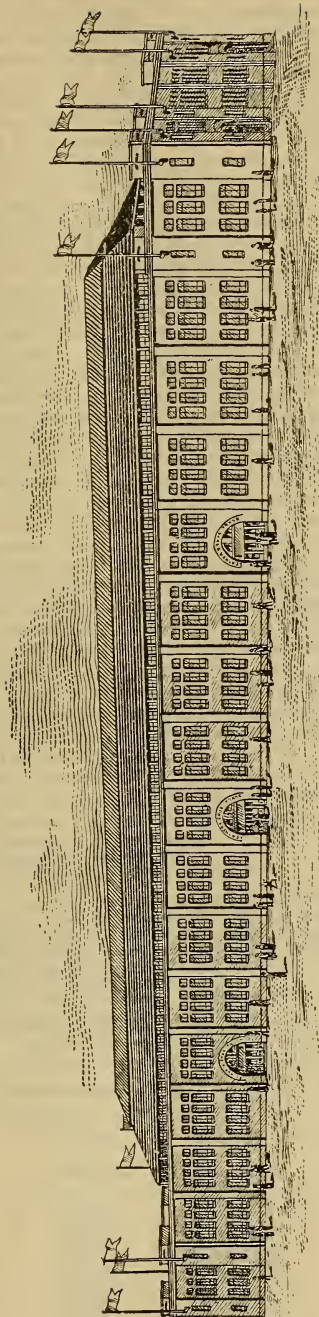
Medals and Diplomas.—The winning exhibitors will each receive a bronze medal and a handsome diploma, setting forth the specific purpose for which the medal was awarded. Provision has been made for 75,000 medals and diplomas.

Merchant Tailors' Building.—This building was erected under the supervision of the Chicago Merchant Tailors' World's Fair Committee, of the Merchant Tailors' National Exchange of the United States of America, at a cost of \$30,000, the money having been raised by voluntary contributions from the merchant tailors and woolen and trimming merchants of the United States. The building is 94 feet each way over all. It is 55 feet 6 inches square, inside measurement, and is in the form of a Greek temple, a reproduction of the Erechtheum, at Athens, finished about 410 B. C., planned by Pericles, and erected under the supervision of Phidias, the great Greek sculptor. The interior of the main room is octagonal in shape, which forms a small room in each corner. Upon the north and south sides is a semicircular room, 14x22 feet. The toilet and semicircular rooms, also the portico fronting upon the lagoon, are strictly private for the exclusive use of subscribers to the Building Fund. The walls are finished in cream and gold and decorated with mural paintings, representing the eight great historical periods of dress: First, Adam and Eve making aprons of leaves; second, a Barbarian scene; third, Egyptian; fourth, classical Greek; fifth, mediæval; sixth, renaissance; seventh, Louis the XIV to XVI; eighth, modern. There are also other frescoes emblematic of the trade. The floor leading from the entrance to under the dome, and all of the space under the dome (circle, 33 feet in diameter), is covered by ceramic mosaic from Shropshire, England, which, with the rich drapery of the entrances to the private reception rooms make the merchant tailors' exhibit hall most attractive. The building is near the bridge across the north pond.

Midway Plaisance.—A strip of land 600 feet wide and seven-eighths of a mile long, between Fifty-ninth and Sixtieth streets, containing 80 acres, connecting Jackson and Washington Parks. In this section are located many of the amusement attractions outside the main exhibition buildings, all of them being private concessions.

Music Hall.—The Music Hall, which is located on the shore of Lake Michigan at the northerly end of the great Peristyle, is 140 feet wide by 246 feet long, and about 65 feet high. The main audience room is in the center of the building, and is 126 feet long by the full width of the same, and occupies the full height of the structure. The space for the orchestra and chorus is at the east end, and it is in the form of a great hemicycle or recess, which opens into the main hall by an arch 66 feet wide and 54 feet high. This recess is semi-circular in plan at the rear and 50 feet deep from the front of the arch to the back of the circle. The ceiling of this recess or hemicycle is shaped like a quarter section of a sphere, so that the sound of the music is projected forward into the audience room.

Just outside of the arch on the main floor is the platform for the orchestra with the chorus rising behind on a series of wide steps. To the west of the orchestra is the parquette, which will



LEATHER AND SHOE TRADES BUILDING.

seat from 800 to 1,000 persons. These seats are also arranged on wide steps or platforms which rise gradually to the rear end, thus giving an uninterrupted view of the stage and conductor to every person. All around this parquette, except on the side occupied by the stage, is a loggia or passage about 20 feet wide, connecting with the main hall by many wide doorways, thus giving ample space for the entrance and exit of the audience with comfort and celerity. Above this loggia, which is about 20 feet high at the exterior wall and 14 feet high at the inner wall next the parquette, is the great balcony, which will seat about 1,200 persons. The seats here are also arranged on rising steps, so that every one can have a perfect view of the stage and of the audience in the parquette below. The seats of the balcony sweep round in a semi-circle at the west end opposite the stage, thus giving the audience room and the stage combined the form of a great oval. Around the front of the balcony are Corinthian columns which support the roof, and over the inner space is a large skylight which gives ample light by day. Around the rear of the balcony are also a series of large windows commanding a view of the great court on the south and the lake on the north. The main entrance is at the west end through three wide archways into a great vestibule 60x80 feet, and thence through three great openings into the loggia about the parquette. On each side of this vestibule are wide and easy stairways, giving access to the balcony and second story of the building, and over the vestibule is a smaller hall 60x80 feet in size, which is for a recital hall, etc. Opening off this hall are several rooms, used for offices or dressing rooms, about 25x40 feet each. Opening upon the vestibule, loggia and the balcony above are large and numerous dressing and cloak rooms of about the same size as above. At the other end and opening from each end of the orchestral platform are rooms for the accommodation of the Director of Music and the principal singers and performers, with ample toilet rooms connected therewith. At the rear of the hemicycle are large rooms for the chorus, and reached by private entrances directly from the seats. Above these rooms are others of the same size which are used for meetings and as offices for the Bureau of Music. There is a third floor which also contains several large rooms for general purposes. On this floor and over the balcony is a large standing place of the same size as the balcony below, which opens upon the main hall, through a series of arched openings in the coved ceiling of the audience room, which will hold a great many people in case of an extra occasion, and is reached by ample stairways. The interior of the hall is richly decorated in color, with emblematic paintings on the face of the east wall above the great arch, and in the panels of the ceiling. It has been specially planned for acoustic effect. The great arch of the hemicycle is richly ornamented with architectural detail, and the whole can be brilliantly lighted by electricity in the most novel effects. The architecture of the exterior is, like that of the Casino and Peristyle—Roman Corinthian—and richly ornamented in detail. Around the entablature above the columns are inscribed the names of the great composers, and on the pedestals of the balustrade surmounting the cornice are placed many statues, 12 feet high, emblematic of the art of music.

The Bureau of Music, composed of Theodore Thomas, Musical Director; William L. Tomlins, Choral Director, and George H. Wilson, Secretary, has announced the following plan in general for music during the six months of the Exposition:

1. Semi-weekly orchestral concerts in Music Hall.
2. Semi-monthly choral concerts in Music Hall.
3. Six series of International concerts, choral and orchestral, each consisting of from four to six, in Festival Hall and in Music Hall.
4. Three series of oratorio festivals by United American Choral societies in Festival Hall.
5. Concerts in Festival Hall, under the auspices of German singing societies.
6. Concerts in Festival Hall, under the auspices of Swedish singing societies.
7. Six series of popular miscellaneous festival concerts by American singers.
8. Twelve children's concerts by Sunday-school, public school, and specially organized children's choruses.
9. Chamber music concerts and organ recitals.
10. Daily popular concerts of orchestral music in Festival Hall.

New England Clam Bake Building.—This building is located on the north pond near a group of foreign buildings. Its dimensions are 60x120 feet. It is used as a fish restaurant. The upper story is occupied as headquarters of Knights Templars.

Other International Expositions.—The following table shows some interesting facts concerning eight International Expositions held in the past:

Where held.	Year when held.	Number of exhibitors.	Number of admissions.	No. of days open.	Average daily attendance.	No. of acres occupied by buildings.
London.....	1851	17,900	6,039,195	144	41,938	21
Paris.....	1855	22,000	5,162,330	200	25,811	24½
London.....	1862	29,000	6,211,103	171	36,322	23½
Paris.....	1867	52,000	10,200,000	217	47,470	37
Vienna.....	1873	42,009	7,254,687	286	39,003	40
Philadelphia.....	1876	60,000	9,910,996	159	62,333	56
Paris.....	1878	52,000	13,000,000	194	67,010	60
Paris.....	1889	60,000	32,354,111	183	181,170	75½

Peristyle.—The connecting structure between the Music Hall and the Casino, at the foot of the Basin. It is 600 feet long, 60 feet wide and 60 feet high. At its center is a grand archway, forming a portal from Lake Michigan to the Grand Central Court. This portal is dedicated to Columbus, and is inscribed with the names of the world's great explorers. Crowning it is a group of statuary, emblematic of the progress of the world. The Peristyle bears forty-eight

columns, representing the States and Territories. Each State's column bears its coat of arms. The cost of the Peristyle, with the Casino and Music Hall, was \$300,000.

Piers.—There are four piers in all. These are the Park Haven, 250x2,300 feet, and carrying a movable sidewalk upon it, which has a loop at both ends; the north-inlet pier; the pier around the battle-ship and the down-town pier.

Polish Building.—The Polish Building is constructed after the style of a country pavilion, such as is found in the forests of that land. Its dimensions are 50x80, and its height is two stories. It contains a restaurant conducted upon the Russian and Polish plans, where meals are furnished cooked in the manner peculiar to those two lands. This structure is located near the Fisheries Building. It cost \$10,000.

Power House.—Here are stationed the engines for the 24,000 horse-power provided. The largest engine in the plant is about twice the size and power of the celebrated Corliss engine. Oil is used for fuel. The boilers present a solid bank 600 feet long. Of the 24,000 horse-power, 17,000 is provided for electricity.

Puck Building.—This pavilion is located between the Woman's and Horticultural buildings. Its form is a parallelogram, and as to architecture it is a combination of all that is airy and graceful. The southern entrance is through a semi-circular porch supported by six elaborately carved columns of quaint design. The central group represents the Puck, holding in one hand a crayon and in the other a mirror, while on his head is the proverbial pot hat. Beneath this figure are grouped figures of cupids emblemizing in their expressions of naughtiness, mischief and good natured fun. Every department in the production of *Puck* is exhibited in the building. Artists at work, type-setting, color printing on power-presses, folding and stitching, are shown, and prove of great interest to visitors.

Pumping Works.—The two pumps have a capacity of 40,000,000 gallons of water per day, which constitutes the main Exposition water supply.

Sale of Liquor.—Prohibited within the grounds, except in restaurants. Required to be served only at table in connection with meals.

Saw-Mill Exhibit.—This exhibit is in connection with that of Forestry, and it is entirely distinct from the displays of saw-mill and wood-working machinery, which are installed in the Machinery Building. Four saw-mill plants are installed, occupying altogether a building measuring 125x300 feet. The building is plainly constructed, costing only about \$35,000, but affords ample facilities for a competitive display of saw-mill plants and the latest improvements in connection with the same. Exhibitors of saw-mill plants in this building bear the expense of installing and operating them. One-half of the building is two stories high, to accommodate bands and gangs and to provide also a gallery from which visitors may view the working of the machinery to good advantage and without danger. This exhibit is a very novel and interesting one, as well as instructive to those who desire to witness the workings of the latest and most approved saw-mill machinery.

Sewerage.—The rain water from the roofs is conducted by one system of underground pipes into the interior waterways. The flood water from the ground is conducted by another system of pipes into Lake Michigan. The sewage proper is forced by hydraulic pressure through a third system of pipes to the cleansing works. Here it is precipitated into tanks, where it is purified by a chemical process, and the solids are pressed into cakes and burned under the boilers. This sewerage system is on a scale sufficiently large for a city of 600,000 population, and constitutes an exhibit in itself.

Special Days.—Special days are to be a great feature at the Exposition. Many of the States of the Union have their day, upon which special exercises will be held, and their Governors and staff, other State officers, militia and thousands of their distinguished and other citizens will be in attendance. Receptions will be held at the State buildings, respectively, and the Governors and others will make speeches. Many musical, civic and secret societies also have days upon which to hold exercises peculiar to themselves. It is believed that these special features will draw many additional thousands of visitors.

Following are the dates assigned by the committee on ceremonies for State, foreign and other celebrations:

Kentucky.....	June 1	Turner bund.....	July 27
Denmark.....	June 5	New South Wales.....	Aug. 1
Nebraska.....	June 8	National Union.....	Aug. 2
Travelers' Protective Association.....	June 10	Knights of Pythias.....	Aug. 9
France.....	June 14	J. O. Forresters.....	Aug. 12
Germany.....	June 15	Hayti.....	Aug. 16
Massachusetts.....	June 17	Austria.....	Aug. 18
North Dakota.....	June 20	North Carolina.....	Aug. 18
New Hampshire.....	June 21	Colored people.....	Aug. 25
Sweden.....	June 24	The Netherlands.....	Aug. 31
Millers' Day.....	June 29	Nicaragua.....	Sept. 1
Independence Day.....	July 4	Catholic Education Day.....	Sept. 2
College fraternities.....	July 20	New York.....	Sept. 4
Columbia.....	July 20	Brazil.....	Sept. 7
Utah.....	July 24	California.....	Sept. 9
Liberia.....	July 26	Maryland.....	Sept. 12
Commercial travelers.....	July 26	Michigan.....	Sept. 13, 14

Costa Rica.....	Sept. 15	Sons of America.....	Sept. 20
Mexico.....	Sept. 15	Iowa.....	Sept. 21
Kansas.....	Sept. 15	Rhode Island.....	Oct. 5
New Mexico.....	Sept. 16	Connecticut.....	Oct. 11
Nevada.....	Sept. 18	Spain.....	Oct. 12
Colorado.....	Sept. 19	Italian Societies.....	Oct. 12
Montana.....	Sept. 20	Minnesota.....	Oct. 13

Special days have already been held as follows:

Catholic Knights of America.....	May 9	Norway.....	May 17
Vermont.....	May 10	Wisconsin.....	May 23
Washington.....	May 17	Maine.....	May 24

Statuary.—ADMINISTRATION BUILDING. Groups around the Dome. Commerce, Industry, Justice, Religion, War, Peace, Science, Art. Groups on the Corner Pavilions: Charity, Truth, Strength, Abundance, Tradition, Liberty, Joy, Diligence, Education, Unity, Patriotism, Theology. Single Figures: Fishermid, Bather, Air, Diana, Harvesting, Electricity, Blacksmith, Chemistry. Groups at sides of the Four Entrances: Water, Uncontrolled; Water, Controlled; Fire, Uncontrolled; Fire, Controlled; Air, Uncontrolled; Air, Controlled; Earth, No. 1; Earth, No. 2. Interior Figures: "Victory." Karl Bitter, sculptor.

AGRICULTURAL BUILDING.—Two "Ceres" Groups. Eight "Four Seasons" Groups. Four Horoscope Groups. Four Cattle Groups. Four Horse Groups. Four "Pilio," for the corner Pediments. 20 Figures of "Zodiac." 68 Figures "Abundance." The "Glorification of Ceres" in the Main Pediment. Larkin G. Mead, Florence, Italy, sculptor.

MACHINERY HALL.—10 Figures of "Sciences." The East Pediment. Figure of "Victory," of which 13 casts were made in copper, by W. H. Mullins, of Salem, Ohio. M. A. Waagen, sculptor. 6 Figures of Inventors. Figure of "Victory," of which four casts were made in copper, by W. H. Mullins, Salem, Ohio. Robert Kraus, sculptor.

COLONNADE.—One Cattle Group. One Horse Group. Four Large Lions, at the base of the obelisk. M. A. Waagen, sculptor.

MUSIC HALL, CASINO AND PERISTYLE.—"Quadriga" Bull and Horse. French & Potter, sculptors. Figures, "Orator," "Indian," "Navigation," "Fisherboy," "Music." Theodore Baur, sculptor. Four Groups on Water Gates. Bela Pratt, sculptor.

TRANSPORTATION BUILDING.—16 Figures of Inventors. 8 Groups. 5 Bas-Reliefs, representing progress in transportation methods. J. J. Boyle sculptor.

HORTICULTURAL BUILDING.—Two Groups. Battle of Flowers, Sleep of Flowers, "Flora." Six Single Figures. Lorado Taft, sculptor. Cupid Frieze, extending all around the building.

GALLERIES OF FINE ARTS.—8 "Caryatides" and 12 Figures of Angels. Philip Martiny, sculptor. One "Renommee," (Victory.) 8 Figures of Arts and Sciences. Olin L. Warner, sculptor. Five Busts of Celebrated Artists, by Warner: Angelo, Titian, Raphael, Rembrandt, Velasquez.

ANIMALS FOR THE BRIDGES.—Six Native Animals of America, modeled by each of these gentlemen: Edw. Kemeys, A. P. Proctor, sculptors.

WOMAN'S BUILDING.—Pediment, "Glorification of Woman's Work." 12 Groups, 6 casts each of "Hope" and "Charity." Miss Alice Rideout, sculptor.

STATUE OF "NEPTUNE." Duplicated Six Times, on Rostral Columns. Johannes Gelert sculptor.

STATUE OF THE REPUBLIC.—Mr. D. C. French's statue, "The Republic," is impressive and imposing in the highest degree. Rising from the waters of the lagoon, with the Peristyle for a background and facing the Administration Building, it is not dwarfed by comparison with either. Of colossal size (the statue proper is 65 feet in height), the characteristics of the figure are simplicity and grandeur. The pose is firm and majestic; the drapery chaste and severe; the expression is that of confident power and benign purpose. The arms are uplifted with easy grace; the right hand holding aloft a globe on which is perched the American Eagle; the left grasping a staff crowned with a Liberty cap. The statue is gilded. The head is encircled by a crown, the jewels of which are electric lights.

STATUE OF BENJAMIN FRANKLIN.—In South Hemicycle of Electricity Building. Carl Rohl-Smith.

WISCONSIN BUILDING.—"Genius of Wisconsin," in marble. Miss Mears, sculptor. "Forward," a ship. Miss Miner, sculptor.

KENTUCKY BUILDING.—Statue "Daniel Boone." By Miss Yondell, sculptor.

Staff.—A composition of plaster, cement, and hemp, or similar fiber. All the Exposition buildings, and many of the State Buildings are covered with staff. It is lighter than wood, is fire-proof, water-proof, and, if kept painted, will last many years. The architectural and sculptural designs in the covering of the buildings are first modeled in clay, from which model molds are made, and the staff covering is then cast very much as iron is cast. Staff has been used for more than 100 years as a covering for buildings, notably in South America.

One of the wonders of staff as seen at the Exposition is its color. Grayish-white is its natural tone; and the basis of its success at Jackson Park; but it will take any tint that one chooses to apply, and maintain a liveliness akin to the soft bloom of the human skin. Staff is an expedient borrowed from the Latin countries, and much cultivated in South America. Any child skilled in the mechanism of a mud pie can make it, after being provided with the gelatine molds

and a water mixture of cement and plaster. When the staff has hardened, the resultant cast is definite, light and attractive. A workman may walk to his job with a square yard of the side of a marble palace under each arm and a Corinthian capital in each hand. While it is a little green it may be easily sawed and chiseled, and nails are used as in pine. Moreover rough joints are no objection, since a little wet plaster serves to weld the pieces into a finished surface.

Telegraph Service.—Visitors, especially those from distant lands, are afforded an object lesson in the form of a magnificent model of a modern telegraph office handsomely equipped and in practical operation. The arrangements made by the Western Union are on a scale, as to dimensions and beauty, that will compare favorably with any exhibit on view at the Exposition. The main telegraph office on the grounds is located in the southeast wing of the Administration Building. It is finished in oak, and contains four counters at which business may be simultaneously filed. There are desks for seventy-two operators. This force does not include the manager, chief operators, clerks, and messengers. This branch office has direct connection with the various cable offices in New York. Direct wires also connect the Administration Building office with the main offices of the Western Union in New York, Washington, and all the larger cities in the United States, where newspaper and other "loops" may be attached. In addition to the central office eighteen other offices are scattered throughout the grounds in the most accessible and desirable locations. There are two such branch offices in the Manufacturers Building, one in the Electrical Building, one in Machinery Hall, one in the Casino, one in the Agricultural Building, one in the Terminal station, and one at the Ferris Wheel on Midway Plaisance, with others at suitable contiguous points. All of these offices are equipped as the highest types of perfection. Each of the branches has direct connection with the central office in the Administration Building and with the main operating-room of the Western Union, at the corner of Jackson and Clark streets. For the purpose of establishing perfect connection with the Exposition grounds the Western Union has erected fifteen miles of nineteen-conductor aerial cables, each capable of being quadruplexed, thereby giving seventy-six possible circuits radiating from the grounds. The entire Exposition plant is operated by a complete system of dynamo currents and supplied with all the latest modern electrical appliances.

Telephone Facilities.—The New York, Boston and Philadelphia wires of the Long Distance Telephone Company are connected with the World's Fair Exchange. Connections have been made at New York with telephones in other eastern cities. This has been arranged to continue during the Exposition, so that at any time visitors can converse by telephone with relatives, friends, or business partners in the cities of the New England and Middle States.

Terminal Railway Station.—This is a handsome structure, located directly west of the Administration Building, and forming the west side of the great square. The terminal station is of the Roman-Corinthian style of architecture. In general plan this station is divided into three sections. The central is 200 feet in length by the full depth of the building. It forms the great vestibule. The east and west sections are three stories in height, and contain the waiting-rooms, check-rooms, lunch counters, and the general railroad offices. The central section extends the full length of the building. A marvelous effect is attained by an immense gallery on the second floor. The gallery is 25 feet wide, and extends entirely around the central section, giving it an aggregate length of some 600 feet. Two broad stairways, built in the highest art known to moderns, lead up to the gallery from the main floor. In actual use the gallery is an additional waiting-room, but it also is a convenient place for friends to meet. In the upper part of the great hall there is a frieze of clock faces 24 in number and 5 feet in diameter. They give the time of day or night at twenty-four of the principal cities of the world. The great hall in its principal features and proportions, is adapted from the hall of the Baths of Caracalla at Rome. The construction material consists of wood and iron and the exterior and interior finish and decoration is of staff. Rising above the station are two illuminated balls of metal and glass, 10 feet in diameter. They show clock faces in every direction giving local time. The terminal facilities include everything except baggage rooms. Trunks of excursionists over the various roads will not be taken into the grounds at all, but will be delivered from the down-town depots.

Connected to the west side of the station is the perron, or landing platform, 80x672 feet, with an overhanging roof, from which a system of umbrella sheds, 13 in number, extend westward a distance of 500 feet.

The entire system of railroads is concentrated here upon 35 tracks. A platform extends along the west side of the building on the level of the second story, with wide covered passageways leading over the roof of the Perron to the intramural elevated railway, which crosses the system of surface tracks above mentioned.

The entire cost of the main building is \$250,000, and of the perron and umbrella sheds, \$50,000, making a total of \$310,000.

Terminal Tracks.—The terminal tracks proper are twenty-six in number, terminating at the west side of the train shed, where are located the entrance and exit gates. In addition to these twenty-six tracks, are nine passing tracks which can be used in an emergency service. Beyond these terminal tracks is the storage yard which consists of twenty storage tracks and four running tracks. In the center of the yard between the storage and terminal tracks is provided a sixty-six foot turntable for the purpose of turning engines or cars if required. There are also provided five water cranes connected with a 50,000 gallon water tank, for the purpose of furnishing water to the locomotives. For the operation of this terminal, power interlocking is provided. There are in the grounds two switch cabins or towers A and B. The south tower B, contains seventy levers and controls the entrance into the terminal and the south end of the storage yard. The

north tower A, contains 160 levers and controls the north end of the storage yard and the terminal tracks proper. The power is steam, furnished by a battery of boilers at each tower. The steam forces a column of water through an iron pipe under ground, which in turn throws the switch or signal. On approaching the yard a train meets with a signal, and from that time on is completely under the control of the superintendent of terminals, who, acting through the levermen in the towers, guides it to its proper track, without any possibility of mishap or danger.

Viaducts.—Have been built by the Exposition Company over Stony Island avenue, Madison avenue, Woodlawn avenue, as well as the Illinois Central tracks at Van Buren street.

White Star Line Building—Adjoining the "Puck" building and used as an exhibit for the "White Star Line" of Trans-Atlantic steamers.

Women's Dormitory.—For the benefit of the great army of "industrial women," "wage-earners" and "working girls," who visit the Exposition, the Woman's Dormitory Association was formed, the object being to procure for these women a good, clean, safe home at reasonable rates. A building not far from the grounds has been erected capable of sheltering 1,000 women per day. This dormitory is furnished with comfortable beds and toilet conveniences, and is presided over by refined, motherly women who keep a watchful care over unprotected girls who come singly or in groups. Stock in the association, in shares of \$10, was issued to a large number of deserving women, and the shares are taken at the dormitories in payment for lodging bills. Only two persons are allowed to come at one time on a single share. These shares are transferable, and if the face value is not used by the holder during her stay, it can be made over to another, who can use the balance. After the \$10 has been used the share still stands on the association books, credited to the holder and she is entitled to her *pro rata* of the profits, if a surplus remains after the enterprise is closed. The rate per day to stockholders does not exceed forty cents; non-holders of stock are charged a slightly higher rate.

The dormitory is located on Ellis avenue, occupying the entire block between Fifty-second and Fifty-third streets. This location is one of the pleasantest portions of Hyde Park, some ten or twelve blocks from the Exposition, and within three blocks of the Cottage Grove avenue cable line which, for a five-cent fare, carries passengers in six or eight minutes to the Exposition grounds. It is a frame structure, two stories high, built for the association and newly furnished with plain, but comfortable single wire-spring cots, mattresses, etc. About one-half the rooms are single; the balance double; all looking out upon the street, yard, or inner court. No beds are wide enough to accommodate two adults, but children young enough to sleep two in a bed are charged half rates, provided the full rate for the bed is paid. In connection with the dormitory there is a restaurant established for the sole use of its guests where meals are scheduled at reasonable rates and guaranteed quality. The dormitory is under the auspices of the local Board of Lady Managers and other philanthropic women who have given much thought and time to the enterprise, believing it to be a worthy object, and that it will, as carried out, afford means to hundreds of women to visit the Exposition who otherwise would not make the venture or be able to afford the expense.

Wooded Island.—Contains sixteen acres; is devoted to floriculture and horticulture, except the extreme north end, which is occupied by the Japanese exhibit.

Windmill Exhibit.—Located to the south of Machinery hall. Numbers of windmills are to be seen in operation.

Miscellaneous Buildings.—In addition to the above mentioned buildings there have been erected for Exposition purposes the following: Photographic Building, Model Building, Silos, stock barns, perron and sheds, freight houses, stock ring, company's shops, company's barn, tank house, Service Building and entrances, fire and police stations, city police stations at Woodlawn and Hyde Park, sheds for empty cases, two chocolate pavilions, eight Indian houses, garbage crematory, Pennsylvania railroad exhibit, New York Central railroad exhibit, army hospital, besides numerous buildings and booths of concessionaries, and the structures on the Midway Plaisance, such as those of Algeria and Tunis, with many buildings; the Austrian village, about twenty buildings; captive balloon; Chinese village: Dahomey village; Diamond Match Company; Ferris wheel; German village, over thirty buildings: Hagenback's animal show; National Hungarian Orpheum; Irish industries; Irish village, nine structures; ice railway; Japanese bazaar; Libby Glass Company; lecture hall; Moorish palace; natatorium; National Dress and Costume Company; Persian concession; panorama of Bernese Alps; Panorama Kilauea; St. Peter's model; Venice Murano; Vienna cafe; the Workman's home; South Sea Island village, etc.

THE WORLD'S CONGRESSES OF 1893.

WHAT THEY ARE AND WHEN AND WHERE THEY WILL BE HELD.

The World's Congress Auxiliary.—President, Charles C. Bonney; vice-president, Thomas B. Bryan; treasurer, Lyman J. Gage; secretaries, Benj. Butterworth, Clarence E. Young. The Woman's Branch of the Auxiliary: President, Mrs. Potter Palmer; vice-president, Mrs. Charles Henrotin.

The World's Congress Auxiliary is not only the accredited representative of the World's Columbian Exposition, but also of the Government of the United States, for the conduct of a series of International Congresses at Chicago during the Exposition season of 1893.

The official announcement of the auxiliary has been sent to foreign countries by the Department of State, and the foreign governments have been invited to appoint delegates in addition to those who will attend as the representatives of institutions and societies.

The chief object of the auxiliary is to procure the maturest thought of the world on all of the great questions of the age in a form best adapted for universal publication. Unprepared discussion or miscellaneous debate will not be desirable, but instead thereof, the time at disposal after the delivery of the formal discourses, will be given to the most eminent persons present, who will speak on the call of the presiding officer, and to whom such previous notice as may be practicable will be given.

The summaries of progress to be presented, and the problems of the age to be stated, will not be submitted to the vote of those present, but will be offered for subsequent deliberate examination by the enlightened minds of all countries for unrestricted discussion in the forum, the pulpit, and the public press, and finally for the impartial judgment of that exalted public opinion which expresses the consensus of such minds.

As soon as the location of the World's Columbian Exposition was fixed at Chicago it was felt that no merely material exhibition would answer the demands of the time. The intellectual and moral forces of the nineteenth century having become so potent and active, that there at once arose a demand for their proper presentation in connection with the proposed Exposition. A formal proposal of a series of World's Congresses soon followed, and the evolution of that proposal steadily proceeded until the present time. The primary idea of the project was that many of the leaders of human progress will naturally come to the Exposition of 1893, and that it is due to them that some arrangements be made under which those of similar tastes and callings from the different countries may form the acquaintance of each other and engage in friendly conference on matters of common concern.

This primary idea developed into the secondary thought that to increase the benefits of such acquaintance and conferences and to enlarge the attendance at the Exposition, a reasonable effort should be made to induce a general attendance of those persons who have taken an active part in any of the great fields of human endeavor.

This secondary idea speedily developed into a third—that instead of leaving the intellectual and moral administration of 1893 to occupy a merely incidental relation to the material exhibit, a proper organization should be effected, an adequate and comprehensive plan devised, and a persistent and well directed effort made to crown the Exposition of 1893 by a proper presentation of the achievements of human genius in a series of great assemblies to which the chief apostles of progress in all countries should be invited, and which should be closed with the formation of a series of world-wide fraternities, to promote the future welfare of mankind.

The work of the auxiliary has been divided into nineteen great departments, with more than one hundred divisions in which congresses are to be held. Each division has its own local Committee of Organization, and each committee has its own advisory council, composed of eminent representatives, selected from different parts of the world, who are interested in the subject to which it pertains.

The World's Congresses of 1893 will be held in the permanent Memorial Art Palace, erected on the Lake Front Park, through the co-operation of the Art Institute of Chicago, the City of Chicago, and the Directory of the World's Columbian Exposition. This "World's Congress Art Palace" will have two large audience rooms arranged to seat about three thousand persons each; and more than twenty smaller rooms, which will accommodate from one hundred to seven hundred persons each. Meetings of such a character as to draw a large popular audience will be held in the main audience rooms, while meetings of chapters or sections of different congresses for the discussion of subjects of a more limited interest, will be held in the smaller rooms.

It will thus be possible to have two general congresses and twenty special congresses or conferences in session at the same time, and to have three times as many meetings within a single day by arranging different programmes for morning, afternoon, and evening sessions; but it is not anticipated that so many daily meetings will be required in any department of the World's Congress work, nor that, as a general rule, any congress, or section, will desire to meet more than once or twice in a given day.

No admission fee will be charged to any of the congresses held under the direct auspices of the World's Congress Auxiliary, and all persons interested will be admitted as attending members after having registered in the office of the secretary where tickets may be obtained.

General assignment to the months of the Exposition season of the World's Congresses of 1893, by departments:

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| <p>MAY.</p> <p>III. Medicine and Surgery, commencing May 29th.</p> <p>JUNE.</p> <p>IV. Temperance, commencing June 5th.</p> <p>V. Moral and Social Reform, commencing June 12th.</p> <p>VI. Commerce and Finance, commencing June 19th.</p> <p>JULY.</p> <p>VII. Music, commencing July 3d.</p> <p>VIII. Literature, commencing July 10th.</p> <p>IX. Education, commencing July 17th.</p> <p>AUGUST.</p> <p>X. Engineering, commencing July 31st.</p> | <p>XI. Art, Architecture, etc., commencing July 31st.</p> <p>XII. Government, Law Reform, Political Science, etc., commencing August 7th.</p> <p>XIII. General Department, commencing August 14th.</p> <p>XIV. Science and Philosophy, commencing August 21st.</p> <p>SEPTEMBER.</p> <p>XV. Labor, commencing August 28th.</p> <p>XVI. Religion, Missions and Church Societies, commencing September 4th.</p> <p>XVII. Sunday Rest, commencing Sept. 28th.</p> <p>OCTOBER.</p> <p>XVIII. Public Health, commencing October 13th.</p> <p>XIX. Agricultural, commencing Oct. 16th.</p> |
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Congresses have been held as follows:

- MAY.
- I. Woman's Progress, commencing May 15th.
 - II. The Public Press, commencing May 18th.

GENERAL RULES AND REGULATIONS.

Early in the organization of the Exposition rules and regulations were promulgated for the benefit of exhibitors, concessionaires, etc. They are as follows:

1. Exhibitors will not be charged for space. A limited amount of power will be supplied gratuitously. This amount will be settled definitely at the time space is allotted. Power in excess of that allotted gratuitously will be furnished by the Exposition at a fixed price. Demands for such excess must be made before the allotment of space.

2. Any single piece or section of any exhibit, of greater weight than 30,000 pounds, will not be accepted if machinery is required for its installation.

3. Exhibitors must provide, at their own expense, all show cases, cabinets, shelving, counters, fittings, etc., which they may require, and all countershafts, pulleys, belting, etc., for the transmission of power from the main-shafts.

4. Exhibitors will be confined to such exhibits as are specified in their applications. When the allotment of space is definitely made, exhibitors will be notified of their allotment of space and its location, and will be furnished with a permit to occupy the same, subject to the general rules and regulations adopted for the government of the Exposition and the special rules governing the Department in which their exhibits will be made. Permits for space will not be transferable.

5. Special rules will be issued governing each department and the sale of articles within the buildings or on the grounds, but no article shall be sold for removal previous to the close of the Exposition, unless a concession or privilege for the same has been granted by the Committee on Ways and Means. "Privileges" refer to the sale of such goods as are manufactured in order to illustrate a machine or process exhibited. "Concessions" refer to the sale of all goods and operation of attractions from which the securing of revenue is the sole object of the lessees. The removal of exhibits will not be permitted prior to the close of the Exposition.

6. Decorations, signs, dimensions of cabinets, shelving, counters, etc., and the arrangement of exhibits, must conform to the general plan adopted by the Director-General.

7. Reasonable precautions will be taken for the preservation of exhibits; but the World's Columbian Exposition will not be responsible for any damage to, or for the loss or destruction of, an exhibit resulting from any cause.

8. All packages containing exhibits intended for the several Departments must be addressed to the "Director-General, World's Columbian Exposition, Chicago, Illinois, U. S. A." In addition, the following information must be written on the outside of each package:

- (a) Department in which exhibit is to be installed.
- (b) The State or Territory from which the package comes.
- (c) The name and address of the exhibitor.
- (d) The number of the permit for space.
- (e) Total number of packages sent by the same exhibitor.

The serial number must be marked on each package and a list of the contents enclosed in each package. Freight must be prepaid.

9. Favorable terms will be arranged by which exhibitors may insure their own goods. Exhibitors may employ watchmen of their own choice to guard their goods during the hours the Exposition is open to the public. Such watchmen will be subject to the rules and regulations governing the employes of the Exposition; but no exhibitor will be permitted to employ attendants for service in any building, except upon written consent of the Chief of the Department.

10. The expense of transporting, receiving, unpacking and arranging exhibits, as well as their removal at the close of the Exposition, shall be paid by the exhibitor.

11. If no authorized person is at hand to take charge of exhibits within a reasonable time after arrival at the Exposition buildings, they will be removed and stored at the cost and risk of whomsoever it may concern.

12. The installation of heavy articles requiring foundations, should, by special arrangement with the Chief of Construction, begin as soon as the progress of the work on the buildings will permit. The general reception of articles at the Exposition buildings will commence November 1, 1892, and no article will be admitted after April 10, 1893. Space not taken possession of April 1, 1893, will revert to the Director-General for reassignment.

13. If exhibits are intended for competition it must be so stated by the exhibitor, or they will be excluded from examination for award.

14. The Chief of each Department will provide cards of uniform size and character, which may be affixed to exhibits, and on which will be stated only the exhibitor's name and address, the name of the object or article exhibited, and its catalogue number.

15. Articles that are in any way dangerous or offensive, also patent medicines, nostrums, and empirical preparations whose ingredients are concealed, will not be admitted to the Exposition.

16. Exhibitors' business cards and brief descriptive circulars only may be placed within such exhibitor's space, for distribution. The right is reserved to restrict or discontinue this privilege whenever it is carried to excess or becomes an annoyance to visitors.

17. The Chief of each Department, with the approval of the Director General, has the power to order the removal of any article he may consider dangerous, detrimental to or incompatible with the object or decorum of the Exposition, or the comfort and safety of the public.

18. Exhibitors will be held responsible for the cleanliness of their exhibits and the space surrounding the same. All exhibits must be in complete order each day, at least thirty minutes before the hour of opening. No work of this character will be permitted during the hours the building is open to the public. In case of failure on the part of any exhibitor to observe this rule, the Chief of the Department may adopt such means to enforce the same as circumstances may suggest.

19. Sketches, drawings, photographs, or other reproductions of articles exhibited will only be allowed on the joint assent of the exhibitor and the Director-General; but general views of portions of the interiors of the buildings may be made on the approval of the Committee on Ways and Means.

20. Immediately after the close of the Exposition exhibitors must remove their effects, and complete such removal before January 1, 1894. Goods then remaining will be removed and disposed of under the direction of the World's Columbian Exposition.

21. An official catalogue is published in English, French, German and Spanish. The sale of catalogues is reserved exclusively by the Exposition Company.

22. Each person who becomes an exhibitor thereby agrees to conform strictly to the rules and regulations established for the government of the Exposition.

23. Communications concerning applications for space and negotiations relative thereto should be addressed to the "Director-General, World's Columbian Exposition, Chicago, Illinois, U. S. A."

24. The Management reserves the right to construe, amend or add to all rules and regulations whenever it may be deemed necessary for the interests of the Exposition.

GEORGE R. DAVIS,

Director-General.

Award of Medals and Certificates.

Extracts from the adopted report of the Committee on Awards of the World's Columbian Exposition :

The committee recommends that awards shall be granted upon specific points of excellence or advancement, formulated in words, by a board of judges or examiners, who shall be competent experts; and the evidence of these awards shall be parchment certificates, accompanied by bronze medals.

The awards of these boards of judges or examiners will thus constitute an enduring and historical record of the development and progress as represented by the exhibits in question; the parchment certificate will, by sufficient terms of identification, evidence the award, and the bronze medal will serve to the exhibitor as an enduring memento of his success. Those exhibits which in the opinion of the juries and examiners do not possess sufficient excellence or intrinsic development to warrant awards, will simply be scheduled in the General Catalogue of the Exposition.

It is recommended that there should be but one class or kind of medal; that they should be made of bronze; that they should be works of art, and selected from competitive tests by the Committee on Fine Arts of the commission, or the joint committees on fine arts of the commission and the local directory, if that should seem more desirable.

The awards and the appointment of all judges and examiners for the Exposition, by the express terms of the sixth section of the Act of Congress approved April 25, 1890, fall within the exclusive jurisdiction of the commission.

Free Importation of Articles.

The United States Government regulations governing the free importation of articles for exhibition at the Exposition, as issued by the Treasury Department at Washington, were as follows:

1. It is the purpose of this department to secure expedition and security to all articles imported for exhibition at the Chicago Exposition, without the exaction of customs duties, fees or charges, and to arrange the proceedings on entry so as to afford the utmost convenience and despatch.

2. In order to obtain the benefits of this arrangement, every package destined for the Exposition should have affixed to it by the foreign shipper one or more labels representing the flag of the country to which it belongs. This label should be about eight by twelve inches in size, and should bear across the face, in plain black letters, the inscription "Exposition at Chicago." All packages should be plainly marked, as follows: (1) "Collector of Customs, Chicago;" (2) "Exhibits for Columbian Exposition;" (3) Name of consignee or agent at the port of first arrival in the United States; (4) The shipping marks and number of the exhibitor; (5) Name and address of the exhibitor.

3. Every foreign exhibitor will prepare, in duplicate, a statement in the form of an invoice, which shall show the name of the exhibitor, the marks and numbers of the packages, with a description of their contents and a declaration of the quantity and the market value of each separate kind thereof in the country of production. This statement must be signed by the exhibitor, but will require no further verification. One of the invoices will be transmitted by mail to the Collector of Customs at Chicago, and the other to the consignee of the goods at the port of first arrival.

4. As a matter of convenience, it is recommended that all packages intended for the Exposition shall be consigned to an agent or forwarder, or commissioner, at the port of first arrival, who will attend to customs business incident to the transfer of packages from the importing vessel to a bonded route for transportation to Chicago. All the bonded transportation lines will discharge their freight at stations in Chicago to be arranged within the Exposition grounds, and packages marked as suggested in Article 2 may be taken to their respective divisions as soon as they have been identified by the customs officers.

5. (Shows the list of companies bonded for the transportation of merchandise to Chicago, without appraisement.)

6. The consignee of the merchandise at the first port of arrival must present at the custom house the invoice above described, with a bill of lading and an entry in duplicate made out upon the special form to be provided for this purpose by the Treasury Department, which shall show the name of the foreign shipper or owner, the name of the importing vessel, the marks and numbers of the packages, with a statement of the nature of their contents and of their foreign value, as declared in the invoice. The entry must also indicate the bonded route by which the goods are to be transported to Chicago, and must be signed by the consignee. No other declaration will be required. The goods will be consigned, on the customs entry, to "Collector of Customs, Chicago," and there need be no computation of duties upon this entry, but the amount charged against the bond of the transportation company shall be double the invoice value.

7. The collector will thereupon issue a special permit bearing the words "Chicago Exposition," authorizing the transfer of the goods from the ship to the bonded railroad for transportation to Chicago, and will record and file one of the entries in his office and send the other by mail, with the invoice, to the collector at Chicago.

8. The permit will be taken by the agent or consignee to the inspector on board the importing vessel, who will thereupon send the goods, by a cartman duly licensed, to be delivered under the supervision of a customs officer to the transportation company.

9. The consignee will also prepare a manifest of the goods, which, after being duly certified, will be handed to the conductor of the car carrying the same, and a duplicate copy must be sent by mail to the Collector of Customs at Chicago. Upon arrival at Chicago of any car containing such articles, the conductor or agent of the railroad company will report such arrival by the presentation of the manifest to the customs officer designated to receive it, who shall compare the same with the copy received by mail, and superintend the opening of the car, taking care to identify the packages by marks and numbers as described in the manifest. In case of the non-receipt of the manifest, the unloading of cars need not, for that reason, be delayed, but the invoice may be used to identify the packages.

10. Articles sent by foreign governments to the Exposition, which are used solely for government purposes and are not intended for sale, will be admitted to entry at the exterior port

of arrival on certificates of the proper foreign commissioner, without the production of invoice. But it is desired that the estimated value of each package shall be stated on the certificate or the bill of lading, in order that the pecuniary responsibility of the transportation company may be fixed.

11. These regulations will also apply to goods sent to the Exposition from foreign contiguous territory. All articles destined for the Exposition, arriving from Canada on through cars under consular seal, and articles which are sent direct by vessel from any foreign port to Chicago, must be consigned by the foreign shipper to the "Collector of Customs" at that port, and on entry being made, as in the case of goods arriving at the seaboard, a permit will be issued for the transfer of the goods directly to the Exposition grounds.

12. The buildings and space set apart for the purposes of the Exposition are constituted "Constructive Bonded Warehouses and Yards," and all foreign articles placed therein under the supervision of the customs officers, and which have been specially imported for exhibition therein, will be treated the same as merchandise in bond. No warehouse entry will be required at Chicago in order to obtain entrance for such goods, but the latter will be kept under customs supervision in accordance with the general regulations governing merchandise in bonded warehouses, except as herein otherwise provided for. The collector at Chicago will keep a special record, in the form of a warehouse ledger, of every invoice, assigning serial numbers to the same in order of their reception, and the transportation entry received from the collector at the port of arrival will be considered the warehouse entry.

13. After the packages have been placed in the respective positions assigned to them by the officers of the Exposition, they will be opened by an officer of the customs, who shall primarily identify the contents with the invoice only as to quantity and character. Due examination of the contents and appraisement of values will be subsequently made by the appraiser, who shall be furnished with the invoice of the articles to be appraised, and shall indorse his report of appraisement upon such invoice in like manner as if such articles were regularly entered for consumption or warehouse. The entry will then be liquidated, the full amount of duties ascertained, and the whole transaction entered upon the prescribed record. All the proceedings relating to the examination, appraisement and liquidation shall be the same as on ordinary importations.

14. As, under the United States tariff, the cost of packages is made a part of the dutiable value of imported goods, the empty boxes, barrels and casks from which imported articles have been taken in order to be displayed should be carefully preserved so as to be repacked for exportation at the close of the Exposition. Dutiable packing cases not exported will be subject to the payment of duty. It is expected that a place will be provided for the storage of such empty packages, and the latter should be recorded and numbered for identification.

15. Packages containing articles imported for gratuitous distribution, or for actual use and consumption in restaurants, refreshment rooms, etc., must be regularly entered for consumption and duty paid thereon before being delivered by the customs officers.

16. The articles after having been received in the Exposition will remain under the custody of the customs officers, and must not be removed from the place assigned without a permit from the Collector of Customs or the officer who may be designated by him to grant such permit. In no case shall such articles be released from the custody of the customs officers, unless the same shall have been regularly withdrawn for consumption, for warehouse or for export. The requisite number of customs inspectors will be stationed at every place containing foreign exhibits, each of whom will be placed in charge of a section, which shall be numbered and designated as a customs division. A list of the articles entered for exhibit in his section will be furnished to each of such inspectors, who shall retain a copy thereof, certify the original and transmit it to the collector.

17. Sales may be made, during the Exposition, of articles imported for exhibition, but deliveries of the same will be allowed only at the close of the Exposition. For this purpose a regular withdrawal as from bond will be required, and duty must be paid according to law. In case the articles are sold for delivery at some port other than Chicago, a withdrawal may be made for transportation and re-warehouse, duty to be paid at the place of destination. Any exhibitor of articles which shall be sold may authorize withdrawal of the same by the purchaser, such authority to be contained in a written notice to the Collector at Chicago. After the filing of such notice the person specified in the same shall be recognized as entitled to all rights and subject to all the liabilities of the original importer.

18. Withdrawal from bond can not be made for less than one entire package, but in case of accidental damage or destruction it is not intended to assess duties upon such articles as shall not have entered into actual consumption in this country. On articles which shall have suffered diminution or deterioration from incidental handling and necessary exposure, the duty, if paid, will be assessed according to the appraised value at the time of the withdrawal for consumption.

19. At the close of the Exposition all goods intended for exportation will be transported in bond to the seaboard or exterior port, and exported therefrom under the general regulations for immediate export in bond, as modified by special regulations to be in due time provided.

20. Any exhibitor who may import merchandise in excess of that which he desires to place on view in the Exposition may make regular warehouse entry of the same on its arrival at Chicago, whereupon it shall be taken to a United States bonded warehouse and stored without payment of duty, subject to the regulations provided for bonded goods. Withdrawals of merchandise stored under these conditions, if made for the purpose of placing the same within the

Exposition, will be treated under the provisions for entry on arrival at first port of entry, and no duty will be required to be paid. Such merchandise must be delivered at the Exposition, in charge of a customs officer. Should any merchandise be abandoned by the owner at the close of the Exposition, it will be placed in a general order warehouse for twelve months; and, if then unclaimed, will be sold for account of the owner.

21. The privileges granted by virtue of these regulations are intended solely for the benefit of exhibitors at the World's Columbian Exposition, and with the view of relieving them, so far as practicable, of delays and vexations in connection with the customs business pertaining to their importations. Any attempt to take advantage of these regulations in order to evade the tariff laws of the United States, will subject the offender to all the penalties prescribed by those laws, including confiscation of goods and fine and imprisonment.

22. The regulations issued by this department on January 7, 1891, are hereby revoked, and the foregoing adopted in lieu thereof.

CHARLES FOSTER, *Secretary.*

Concessions.

The general rules governing lessees of concessions are as follows:

1. Lessees and such employes or assistants as may be necessary for the proper conduct of the business will have full access to the Exposition grounds, but they will be subject at all times to the General Rules and Regulations of the Exposition, and shall enter at such gates and at such hours as may be designated by the Exposition management.

2. No business under any of the concessions shall be conducted in other than a first-class, orderly manner. No gambling or games of chance will be allowed anywhere within the Exposition grounds.

3. All buildings, stands, or booths, leased or erected for concessions, shall be open at all reasonable hours to the inspection of the Director-General, and such agents as may be designated by the Exposition management.

4. No transferring or sub-letting of any interest in the concessions granted will be allowed without the written consent of the Exposition management.

5. No employe or assistant of lessees of concessions shall enter upon his duties until his name and address have been registered in the office of the Committee of Ways and Means, who will designate an official number which shall attach to said employe or assistant, and such number must be worn conspicuously by said employe or assistant when on duty, and used as the rules may designate.

6. All goods sold must be what they are represented, and no deception will be allowed.

7. Wagon gates will be open at 5 A. M. and closed at 8:30 A. M., for the purpose of admitting supplies to all those having concessions; all supplies must be brought in between those hours. Only such articles as are covered by the concessior will be admitted without a special permit.

8. All stands, counters and fittings, together with all decoration, to be erected at the expense of the lessee; plans of the above to be subject to the approval of the Director-General.

9. Solicitation for the sale of goods will not be allowed.

10. Concessions will be limited to a given number of the same in each class or branch concerning which concessions are granted.

11. Lessees will be required to keep their premises clean and in complete order at all times, and shall not permit any violence, coarse or insolent language, or unnecessary noise about their premises. Any employe or assistants, wearing the number assigned by the Exposition management, appearing on the grounds at any time intoxicated, making unnecessary noise or using coarse or insolent language, will be deprived of their number and be immediately and permanently expelled from the grounds.

12. Persons procuring concessions to sell foreign goods will be subject to the above rules, in addition to the regulations issued by the Secretary of the Treasury of the United States, for the protection and collection of the revenue.

13. Any person who attempts to sell, or expose for sale, in the Exposition grounds, or in any of the buildings erected thereon, any article whatever, without having first obtained a concession for such purpose, will be forthwith ejected from the Exposition grounds and prosecuted to the full extent of the law.

14. Any violation on the part of lessees of any of the rules governing the Exposition or concessions, will make void their contract at the option of the Exposition managers.

15. All lessees, assistants and their employes must leave the grounds within two hours after the close of the Exposition.

16. Persons procuring concessions will be required to furnish the Exposition management with a good and sufficient bond for the faithful performance of their contract.

17. The Exposition management reserves the right to amend or add to these rules whenever it may be deemed necessary for the interest of the Exposition and the public good.

Vehicles and Supplies.

1. No wagon or vehicle of any kind propelled by animal or other power will be allowed about the grounds during the hours the Exposition is open to the public, save emergency vehicles, such as fire apparatus, and police or hospital patrol wagons, and wagons or carts propelled by man power. This, however, shall not be taken to prohibit the unrestricted use of the official conveyances of the Council of Administration, Director-General, Director of Works, and such others as may from time to time be expressly authorized and permitted under the specific orders of the Council of Administration.

2. All supplies arriving at the Exposition grounds, either by rail, vessel or team, must be delivered to the designated warehouse, and there stored until after the hour of closing the Exposition, when the work of delivering such supplies, etc., will begin by and under the direction of the Transportation department. The charge for this service will be at the rate of six cents per hundred pounds, with twenty-five cents minimum, with no charge for storage unless supplies remain on hand longer than five days. If held in storehouse more than five days, storage rates will be the same as specified in Circular T. D. 47, of January 4th. Orders for the handling and delivery of goods must be filed at the office of the Transportation department of the Terminal Station not later than 5:00 p. m. of each day, of the service to be performed that night.

3. A limited amount of perishable supplies, such as are absolutely needed, will be delivered through the day by carts propelled by man power. The charge for this service will be twelve cents per hundred pounds, under the same regulations as to the use of warehouses as quoted in Paragraph 2.

4. All such service must be performed by team and employes that are in the service of the Exposition, excepting that the Associated, American and Adams Express companies may deliver packages arriving over their lines with their own forces, but under the direction of the Transportation department, at such hours as above designated. The Hyde Park Gas Company may deliver their materials and tools for making repairs to their system under these same regulations.

5. Payments for this service must be made in advance by means of tickets secured from the Department of Collections.

6. Any complaints regarding the service must be entered at the Transportation department office at the Terminal Station.

April 26, 1893

GEO. R. DAVIS,
Director-General.

DEPARTMENTAL EXHIBITS.

ON the following pages will be found a full and comprehensive account of the scope and plan of the several great departments, including descriptions of the respective buildings; portraits of the chiefs; classification of exhibits; list of exhibitors, etc., in the following order: Manufactures, Liberal Arts, Machinery, Agriculture, Electricity, Mines, Mining and Metallurgy, Transportation Exhibits, Horticulture, Fine Arts, Fish and Fisheries, Woman's Building, Ethnology, Forestry; also of Live Stock, except a list of exhibitors.



KENT & STANLEY COMPANY MANUFACTURING JEWELERS

Original Makers of the Celebrated

Seamless Filled Gold Chains



❖ CHARMS ❖

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BRACELETS

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Do not fail to examine our display in Dept. O, N. E. corner Manufactures Building, Group 98, Class No. 612. The finest exhibit of its kind at the World's Fair.

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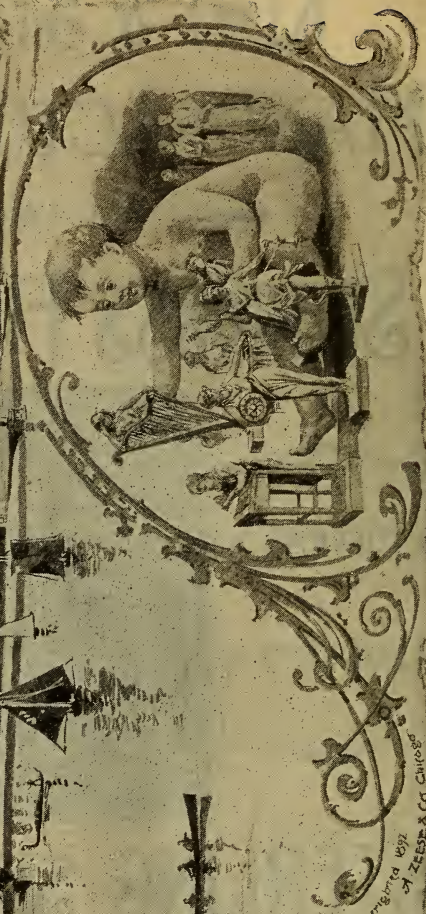
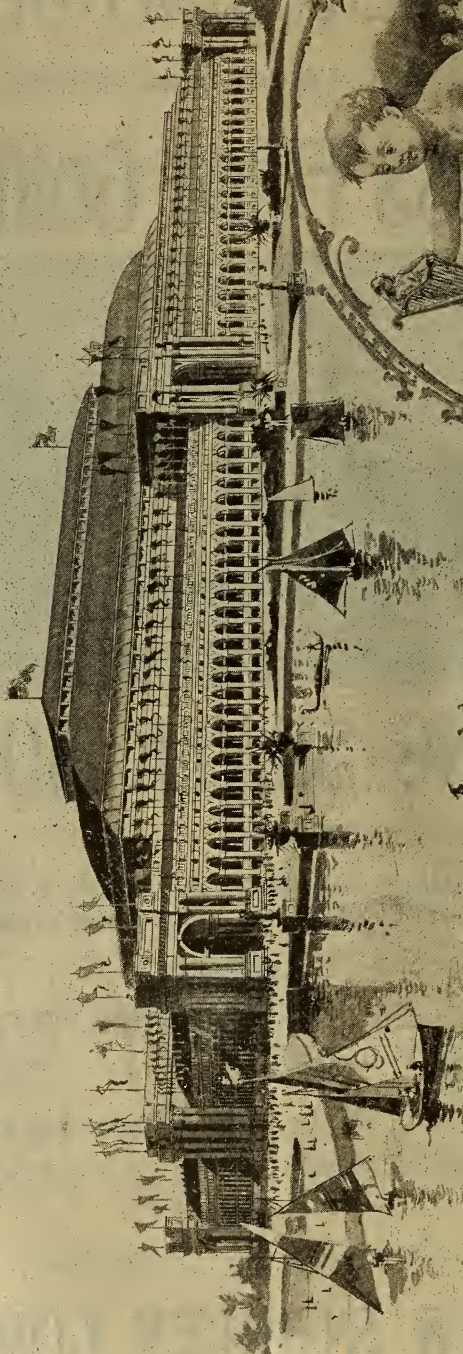
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PHELAN BUILDING.

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58, WINTER STREET.

MONTREAL,
TEMPLE BUILDING.

KENT & STANLEY COMPANY

PROVIDENCE, RHODE ISLAND, U. S. A.



Manufactures and Liberal Arts

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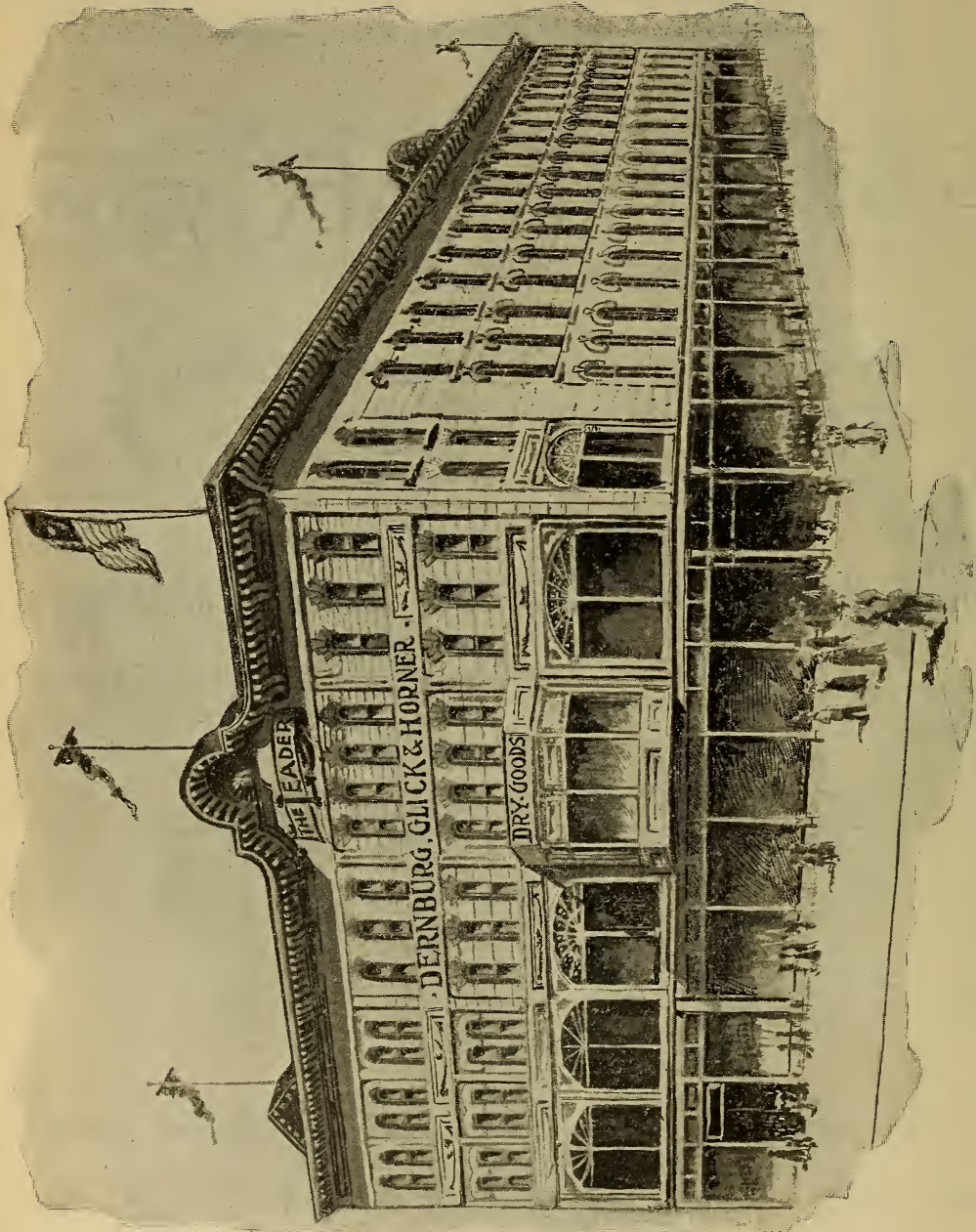
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is absolutely unequalled. It has been used for years by thousands of manufacturers, in millions of shoes, with perfect satisfaction.

It is the lightest and most elastic of all Goring, and is fully warranted in every respect for two years.

It looks the best and wears the longest of any Goring manufactured in Europe or America.

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We are the largest manufacturers of Elastic Goring in the United States, and depend upon the superlative merits of our productions rather than combination with other manufacturers to extend our sales.

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(See our Exhibit, Section F, Block V, Column No. 1, Leather and Shoe Trades Building.)



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Specially granted to MERCK & Co., New York,
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HEADQUARTERS FOR THE MEDICAL AND PHARMACEUTICAL PROFESSIONS, AND THOSE
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MERCK & Co. are the largest and best appointed house in America for
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used in Medicine, Pharmacy and the Arts.

Chemische Fabriken
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Drogen-Handlungen,

welche gute Vertretung in den Vereinigten Staaten von Amerika suchen,
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medizinischem, pharmazeutischem und technischem Gebrauch.

Les Fabricants de
DROGUES ET PRODUITS CHIMIQUES

POUR LA
MÉDECINE, L'INDUSTRIE ET LES ANALYSES
qui désirent des représentants de première classe aux Etats-Unis sont in-
vités à se mettre en relation avec

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LA MAISON MERCK & Co. est en relations directes et constantes avec
tous les Médecins, Pharmaciens et Droguistes des Etats-Unis.

LA MAISON MERCK & Co. est la plus importante et la mieux installée
de l'Amérique pour présenter les Drogues et Produits Chimiques, ou
Articles similaires, employés dans la Médecine, la Pharmacie et les Arts.

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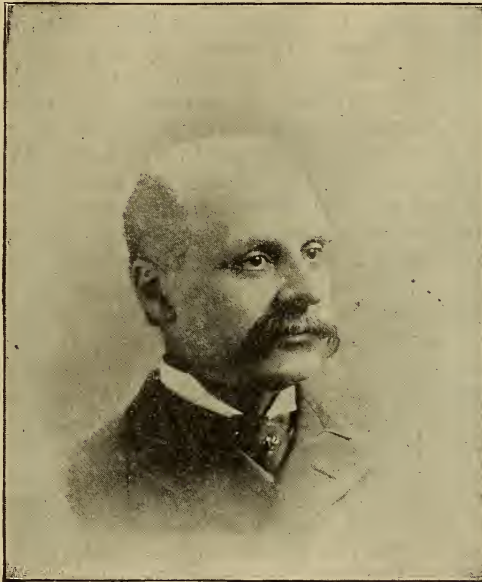


COMPILERS AND PUBLISHERS OF.....

MERCANTILE,
EDUCATIONAL AND
MANUFACTURERS'
CATALOGUES.

DEPARTMENT H—MANUFACTURES.

THE interest of home manufactures and the world-wide rivalry of inventive genius in the production of labor-saving devices and improved machinery to meet the ever growing demand, are fittingly illustrated in the great variety of exhibits in the Department of Manufactures, and make it one of the most interesting and instructive features of the Exposition. The department embraces thirty-five exceptionally large groups, divided into 214 classes of the leading industries, collectively representing the products of the modern machinery and man's skillful handiwork in many forms and designs. Notice to intending exhibitors was given before installation that it was the desire to encourage only such displays of superior excellence as would best exemplify the signal advances made in the several branches of progressive manufacturing industries of home and foreign production, rather than the semblance of a great and varied warehouse display; hence the space allotted has been reduced to the minimum in order to accommodate the greatest number and render justice to all, irrespective of nations, states or cities. It is hoped that every American exhibitor will keep before him the fact only his own re- of his country in product is placed comparison and the best that the present in the same highly developed ence, a cultivated lavish outlay can der exhibits at- seen in the pavil- Commercial Na- pete with us for Their contents fully selected by perts intent only National credit by samples of work branch of industry long. In the For- individual is of im- so far as he can result. His per- sistent of but he is here merely be- to enhance the effect of an aggregation of national skill, taste and enterprise. The interest taken in the Exposition by foreign exhibitors is best shown by mentioning that the following nations, among others, are represented in the displays grouped in this department:



JAMES ALLISON, CHIEF.

that he has not putation, but that his keeping. His here to challenge competition with civilized world can line. All that a exposition experi- artistic taste and a accomplish to ren- tractive, will be ions of the great tions which com- our own market. have been care- committees of ex- on sustaining their the best attainable in the particular to which these be- eign exhibits, the portance only in contribute to this sonality is not lost permitted to show cause of his ability

Algeria, Argentine Republic, Austria, Belgium, Bolivia, Brazil, British Guiana, British Honduras, Cape Colony, Canada, Ceylon, Chili, China, Colombia, Costa Rica, Cuba, Curacao, Denmark, Dutch Guiana, Dutch West Indies, Ecuador, France, French Guiana, Germany, Great Britain, Guatemala, Hawaiian Islands, Hayti, Honduras, Italy, Japan, Jamaica, Korea, Madagascar, Mexico, New South Wales, Netherlands, Nicaragua, Norway, Orange Free State, Paraguay, Persia, Peru, Porto Rico, Queensland, Russia, Salvador, San Domingo, Siam, Spain, Sweden, Switzerland, Trinidad, Turkey, Uruguay, Venezuela, Zanzibar.

The building constructed for Manufactures and Liberal Arts is notable

for its symmetrical proportions and is the mammoth structure of the Exposition; indeed, it is the largest building in area ever erected on the western hemisphere and the largest under a roof in the whole world. Despite this fact, every foot of available space is taken and it is even asserted by conservative judges that *more than double the space could have been assigned to most worthy exhibits*, and even then the clamor for "*more room*" would not have been wholly satisfied. The immensity of this building is alone intensely wonderful in its grandeur. It is three times larger than the Cathedral of St. Peter, in Rome, and four times larger than the old Roman Colosseum, which seated 80,000 persons. The central hall, which is a single room without a supporting pillar under its roof, has in its floor a fraction less than eleven acres, and the entire building could comfortably seat 300,000 people. There are 7,000,000 feet of lumber in the floor, and it required five carloads of nails to fasten the 215 carloads of flooring to the joists. The exterior outline covers an area of nearly thirty-two acres, and, including galleries encircling the interior, affords in the aggregate forty-four acres of exhibiting space. This vast structure is covered with an arched roof of steel and glass, affording ample light and ventilation. It measures 1,687 by 787 feet. Height of walls, 66 feet. Height of four center pavilions, 122 feet. Height of four corner pavilions 97 feet. Height of roof over central hall, 237.6 feet. Height of roof-truss, over central hall, 212.9 feet. Height clear, from the floor, 202.9 feet. Span of truss, 382 feet. Span in the clear, 354 feet. Width of truss at base, 14 feet; at hip, 32 feet; at apex, 10 feet. Weight of truss, 300,000 pounds; with purlines, 400,000 pounds. Cost, \$1,700,000. Material—17,000,000 feet of lumber; 12,000,000 pounds of steel in trusses of central hall; 2,000,000 pounds of iron in roof of nave. There are 11 acres of skylights and 40 carloads of glass in the roof. Within the building a gallery 50 feet wide extends around all four sides, and projecting from this are 86 smaller galleries, 12 feet wide, from which visitors may survey the vast array of exhibits and the busy scene below. The galleries are approached upon the main floor by 30 great staircases, the flights of which are 12 feet wide each. "Columbia Avenue," 50 feet wide, extends through the mammoth building longitudinally, and an avenue of like width crosses it at right angles at the center. The building is rectangular in form, and the interior is divided into a great central hall, 380 by 1,280 feet, which is surrounded by a nave, 107 feet wide. It is in the Corinthian style of architecture, and in point of being severely classic excels nearly all of the other edifices. The long array of columns and arches, which its façades present, is relieved from monotony by very elaborate ornamentation. In this ornamentation female figures, symbolical of the various arts and sciences, play a conspicuous and very attractive part. The exterior of the building is covered with staff, which is treated to represent marble. There are four great entrances, one in the center of each façade. These are designed in the manner of triumphal arches, the central archway of each being 40 feet wide and 80 feet high. Surmounting these portals is the great attic story ornamented with sculptured eagles 18 feet high, and on each side above the side arches are great panels with inscriptions, and the spandrels are filled with sculptured figures in bas-relief. At each corner of the main building are pavilions forming arched entrances, which are designed in harmony with the great portals. The building occupies a most conspicuous place on the grounds. It faces the lake, with only lawns and promenades between. North of it is the United States Government Building, south the Harbor, and in-jutting lagoon. and west the Electrical Building and the lagoon separating it from the island. This building is provided with 10,000 electric lights and the aisles are lighted with ornamental lamp-posts bearing shielded arc lights.

Following are extracts from the departmental rules :

Exhibitors must be the manufacturers or producers of the goods or materials intended for exhibition.

Articles that are in any way dangerous or offensive; also patent medicines, nostrums and empirical preparations whose ingredients are concealed, are not admitted.

No fire, inflammable oils nor other combustible material will be permitted in the building.

The flooring must not be altered or removed except by the sanction of the Chief of the Department.

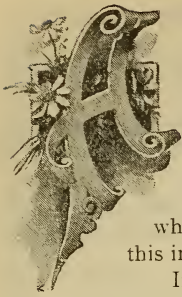
In order to encourage pleasing and attractive effects and add life to the various exhibits, where required to keep them moving, a limited amount of noiseless motor power may be applied, subject to the approval of the Chief of the Department.

The following limits must not be exceeded—Platforms: seven inches above the floor. Railings two feet six inches above the platforms (they must be included within the space assigned to the exhibitor.) Counters: two feet ten inches above the floor, on side next passage-way.

The material to be used for covering counters, screens, or partitions is subject to the approval of the Chief of the Department.

Unless otherwise ordered, all signs must be of a uniform design, which will be prescribed by the Department. They must not be made of muslin, linen, canvas or paper. They must be placed parallel with the frontage or passage-ways of the respective stands or exhibits, and must in no case interfere with the light or view.

An American Glass Factory in full Operation.



AMONG the most interesting exhibits to be seen at the World's Fair is the complete cut-glass manufactory of the Libbey Glass Co.

There the many processes of glass manufacturing may be seen, from the mixing of sand, the oxide of lead, the alkalies and the lime, to the latest and most approved methods of cutting and finishing.

The most prominent feature of the industry is the glass blowing department, where the lively gathering boys, thrusting long irons into the white-hot mouth of the crucible, and bringing forth the waxy mass, and the artisans who blow and fashion it into many shapes, may be seen constantly at work at this interesting vocation.

In the glass cutting department forty men are continuously engaged in cutting the most delicate and intricate patterns. This process is very instructive, and may be easily observed by all who may desire.



LIBBEY GLASS CO.'S FACTORY, MIDWAY PLAISANCE.

In the decorating department are skilled artists painting upon glass, which is afterward put into the kilns and fired. Every branch of American manufacture is fully shown in this building.

Probably nothing at the Fair is more interesting than glass spinning and weaving. Spinning wheels six feet in diameter, making from 300 to 500 revolutions a minute, draw from glass rods melted before a blow-pipe the finest threads, which are put into a loom and woven into glass fabric. A large variety of articles are made from this fabric, such as dresses, napkins, bonnets and most beautiful lamp shades.

The visitor will greatly admire the immense crystal display rooms, where can be seen the highest standard of American Cut Glassware; entire new and novel articles, which glitter and shine like diamonds.

This immense building can comfortably accommodate 5,000 people at one time. The ventilation is perfect, making it agreeable for visitors. No one should fail to visit this, one of the most interesting and instructive exhibits at the Fair. This building is located in the Midway Plaisance, adjoining the Illinois Central Railroad on the west.

THERE IS NO CHARGE FOR ADMISSION TO THIS BUILDING.

The First National Bank, Chicago.

CORNER MONROE AND DEARBORN STREETS.

CAPITAL, \$3,000,000.00

SURPLUS, \$3,000,000.00

Statement of Condition, January 1, 1893.

ASSETS.

Loans and Discounts, - - - - -		\$18,062,445.11
Bank Building and other Real Estate, - - - - -		650,000.00
United States Bonds (par value), - - - - -		364,950.00
Other Bonds, - - - - -		1,815,150.31
Bond Premiums, - - - - -		50,565.21
Cash Resources:		
Due from Banks (Eastern Exch.), - - - - -	\$2,915,396.26	
Checks for Clearing House, - - - - -	1,900,452.12	
Cash on Hand, - - - - -	6,504,506.49	
Due from U. S. Treasurer - - - - -	35,750.00	
		<u>11,362,104.87</u>
		\$32,305,215.50

LIABILITIES.

Capital Stock Paid in, - - - - -	\$ 3,000,000.00
Surplus Fund, - - - - -	3,000,000.00
Other Undivided Profits, - - - - -	338,154.82
Dividend, - - - - -	90,000.00
Deposits, - - - - -	<u>25,877,060.68</u>
	\$32,305,215.50

A REGULAR BANKING BUSINESS TRANSACTED.

FOREIGN EXCHANGE. ALL CLASSES INVESTMENT BONDS BOUGHT AND SOLD.

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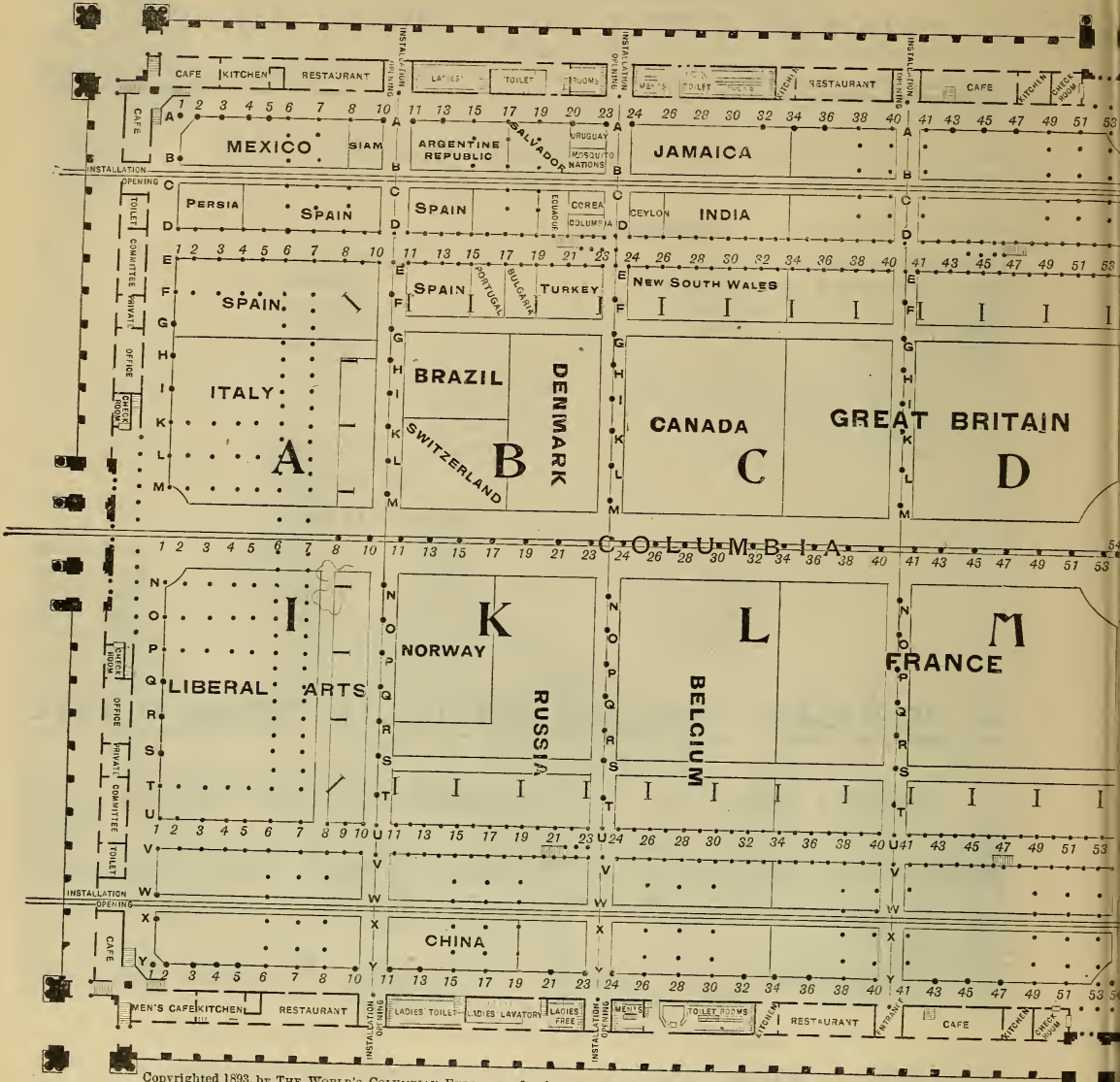
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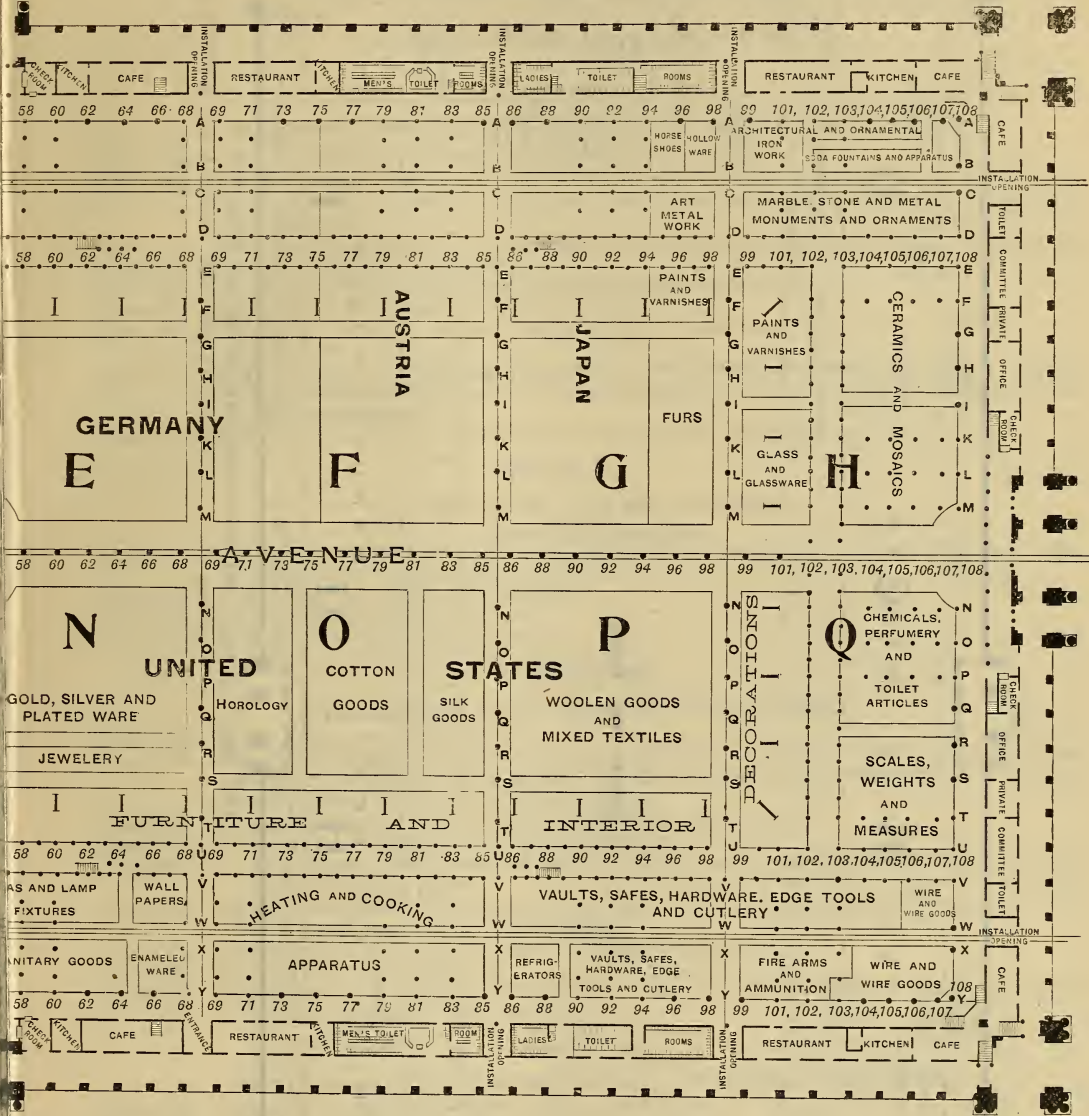


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EAST SIDE

KEY TO INS

The Department of Manufactures occupies all of the ground floor of the building, except... The Department of Manufactures also occupies Sections F and G on the gallery floor. The main blocks numbered from 1 to 4, except Sections A, I, H and Q, which have three blocks. By... are installed by classified groups, collectively, and the location of each group is indicated un... stalled in Section N, Block 1. All silk goods, classified as Group 100, are in Section O, Block



Ground Floor Plan.

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

SECTION I, in the southeast corner, which is occupied by the Department of Liberal Arts, is divided into sixteen sections, lettered from A. to Q., and each section is divided into four groups. On the ground plan these floor divisions can be located. The exhibits in manufactures and liberal arts are grouped under their respective heads. For example, all the exhibits of jewelry, embraced in Group 98, are in the location of the foreign countries is indicated under their entries.

CLASSIFICATION.

MANUFACTURES DEPARTMENT (H).

GROUP 87.

CHEMICAL AND PHARMACEUTICAL PRODUCTS.—DRUGGISTS' SUPPLIES.

- Class 543. Organic and mineral acids.
- Class 544. The alkalis and alkaline earths.—Potash, soda, ammonia, caustic soda, carbonate of soda, lime, magnesia, barytes, etc., with their salts and compounds. Bleaching powders, etc.
- Class 545. Metallic oxides and salts of the metals, and other commercial chemical compounds.
- Class 546. Pure chemicals for chemists' use.
- Class 547. Drugs and pharmaceutical preparations and compounds.
- Class 548. Chemists' and druggists' wares and supplies.
- Class 549. Flavoring extracts, essences, essential oils, toilet soap, perfumery, pomades, cosmetics, etc.
- Class 550. Explosive and fulminating compounds.—Powder, giant powder, etc., shown only by empty cases and packages, "dummy packages," and cartridges, to illustrate the commercial forms.
- Class 551. Pyrotechnics. (In harmless forms, not charged.) Pyrotechnic displays.

GROUP 88.

PAINTS, COLORS, DYES AND VARNISHES.

(See also Group 48.)

- Class 552. Colors and pigments—natural and artificial, dry and ground in oil. Printing inks, writing inks, blacking, cochineal, etc.
- Class 553. White lead and white zinc industry.
- Class 554. Painters and glaziers' supplies.
- Class 555. Artists' colors and artists' materials.

GROUP 89.

TYPEWRITERS, PAPER, BLANK BOOKS, STATIONERY.

- Class 556. Paper, pulp, and paper stock.
- Class 557. Cardboard, cards, pasteboard, binders-board, building-boards, and felts for walls and roofing; for floors, ceilings, and for decorations; embossed-boards, etc. Papier mache, useful articles made from paper.
- Class 558. Wrapping papers, manila paper, paper bags, tissue papers.
- Class 559. Printing paper for books and for newspapers.
- Class 560. Writing papers, bond paper, drawing papers, tracing papers and tracing linen; envelopes; blotting paper.
- Class 561. Blank books; sets of account books, specimens of ruling and binding, including blanks, bill-heads, etc.; book-binding.
- Class 562. Ornamental and decorated paper; marbled papers, etc.
- Class 563. Wall papers, oil papers.
- Class 564. Typewriters, stationery, and stationers' goods; ink-stands, weights, rulers, pens, pencils, filing-cases, letter presses, etc.

GROUP 90.

FURNITURE OF INTERIORS, UPHOLSTERY, AND ARTISTIC DECORATION.

- Class 565. Chairs of all grades, rockers, lounges, settles, etc.
- Class 566. Tables for various purposes—Billiard, card, dining, etc.
- Class 567. Suites of furniture for the hall, parlor, drawing-room, library, dining-room, and for the bed-chamber.
- Class 568. Upholstery for windows, doors; curtains, portieres, etc.
- Class 569. Mirrors and their mountings.
- Class 570. Treatment of porches, doorways, halls, and staircases, mantels, etc.
- Class 571. Floors, ceilings, walls, doors, and windows.
- Class 572. Artistic furnishing, illustrated by completely furnished apartments, with selections of furniture and various objects of adornment from other groups.
- Class 573. Sewing and embroidering. (See also Group 72.)

GROUP 91—CERAMICS AND MOSAICS.

FOR CLAYS AND OTHER MATERIALS. SEE GROUP 46.

- Class 574. Bricks and terra cotta for building purposes, plain and enameled. Terra cotta ware for decorative purposes. Reproductions of ancient Roman and Grecian red ware.

- Class 575. Stoneware and pottery, lead-glazed and salt-glazed ware, Doulton ware.
 Class 576. Earthenware, stone, china, and semi-porcelain ware, faience, etc., with soft glazes, and with high-fire, feldspathic glazes and enamels.
 Class 577. Porcelain with white or colored body, painted, incised or pate-sur-pate decoration.
 Class 578. Tiles. Plain, encaustic and decorated tiles, bosses, tessaræ, etc., for pavements, mural and mantel decoration, etc.
 Class 579. Mural decoration; reredos and panels; borders for fireplaces and mantels.
 Class 580. Designs for and examples of pavements in tiles and mosaics.

GROUP 92.

MARBLE, STONE AND METAL MONUMENTS, MAUSOLEUMS, MANTELS, ETC.—CASKETS, COFFINS AND UNDERTAKERS' FURNISHING GOODS.

- Class 581. Marble, stone and metal monuments, and mausoleums and fittings.
 Class 582. Marble and stone fountains, balustrades and miscellaneous ornaments.
 Class 583. Marble, stone and metal mantels and ornaments.
 Class 584. Coffins, caskets and undertakers' furnishing goods.

GROUP 93.

ART METAL WORK—ENAMELS, ETC.

- Class 585. Art metal work; selected examples of iron forgings, bronzes, bas-reliefs, resposse and chiseled work.
 Class 586. Cloisonné enamels
 Class 587. Champ lévé enamels.
 Class 588. Niello work.

GROUP 94.

GLASS AND GLASSWARE.

- Class 589. Plate glass in the rough, as cast and rolled, and as ground and polished.
 Class 590. Blown glass, ordinary window glass, bottles, tubes, pipes, etc.
 Class 591. Pressed glass and glassware generally for the table and various purposes; skylights, insulators, etc.
 Class 592. Cut-glass ware for the table and various purposes. Engraved and etched glass.
 Class 593. Fancy glassware—plain, iridescent, opalescent, colored, enameled, painted beaded, gilded, etc. Millefiori and aventurine glass.
 Class 594. Cracked glass in layers, onyx glass, sculptured glass; reproductions of ancient glassware.
 Class 595. Glass mosaics, beads, spun glass, and glass fabrics.

GROUP 95.

STAINED GLASS IN DECORATION.

- Class 596. Civic and domestic stained glass work, panels, windows, etc.
 Class 597. Ecclesiastical stained glass work.

GROUP 96.

CARVINGS IN VARIOUS MATERIALS.

- Class 598. Wood carving.
 Class 599. Ivory carving.
 Class 600. Bamboo incised work.
 Class 601. Metal carving and chiseling.
 Class 602. Sculptured and engraved glass.
 Class 603. Sculpturing, carving, and modeling in porcelain. Paste-sur-pate.

GROUP 97.

GOLD AND SILVERWARE, PLATE, ETC.

- Class 604. Gold and silverware, gilt ware for the table and for decoration.
 Class 605. Silver table ware generally.—Plates, salvers, tureens, bowls, dishes, baskets, candleabra, epergnes, etc.
 Class 606. Knives, forks and spoons.
 Class 607. Fancy bonbon and other spoons; miscellaneous fancy articles in silver.—Snuff-boxes, match-boxes, cane-heads, handles, chatelains, etc.
 Class 608. Ware of mixed metals.—Mokume ware, inlaid and incrustated ware, enameled and niello work.
 Class 609. Plated ware on hard or nickel silver foundation.
 Class 610. Nickel ware, nickel-silver ware, aluminum ware and aluminum-silver ware.
 Class 611. Plated ware on soft metal alloys.

GROUP 98.

JEWELRY AND ORNAMENTS.

- Class 612. Gold ornaments for the person, plain, chased, or otherwise wrought or enameled, rings, bracelets, necklaces, chains, etc.
- Class 613. Diamonds and various colored gems, as rubies, sapphires, emeralds, chrysoberyls, tourmalines, topazes, etc., mounted in various ornaments.
(For gems in the rough and unmounted in part, see Department E.)
- Class 614. Agates, onyx, jasper, ornaments for the person.
- Class 615. Pastes and imitations of precious stones, mounted or unmounted.
- Class 616. Gold-covered and gilt jewelry and ornaments.

GROUP 99.

HOROLOGY—WATCHES, CLOCKS, ETC.

(See also Group 151.)

- Class 617. Watches of all kinds.
- Class 618. Watch movements and parts of watches.
- Class 619. Watch-cases.
- Class 620. Watch-makers' tools and machinery in part. (For machines requiring power, see Department F.)
- Class 621. Clocks of all kinds.
- Class 622. Clock movements.
- Class 623. Clock-making machinery.
- Class 624. Watchmen's time registers.

GROUP 100.

SILK AND SILK FABRICS.

- Class 625. Raw silk as reeled from the cocoon; thrown or twisted silks in the gum; organzine, tram, spun-silk yarn.
- Class 626. Thrown or twisted silks, boiled off or dyed, in hanks, skeins or on spools; machine twist and sewing-silk.
- Class 627. Spun-silk yarns and fabrics and the materials from which they are made.
- Class 628. Plain woven silks, lute-strings, sarsnets, satins, serges, foulards, tissues for hat and millinery purposes, etc.
- Class 629. Figured-silk piece goods, woven or printed. Upholstery silks, etc.
- Class 630. Crapes, velvets, gauzes, cravats, handkerchiefs, hosiery, knit goods, laces, scarfs, ties, veils; all descriptions of cut and made-up silks.
- Class 631. Ribbons—plain, fancy and velvet.
- Class 632. Bindings, braids, cords, galloons, ladies' dress trimmings, upholsterers', tailors', military and miscellaneous trimmings.

GROUP 101.

FABRICS OF JUTE, RAMIE AND OTHER VEGETABLE AND MINERAL FIBRES.

- Class 633. Jute cloth and fabrics, plain and decorated.
- Class 634. Ramie and other fabrics.
- Class 635. Mats and coarse fabrics of grass, rattan, cocoanut and bark; mattings, Chinese, Japanese, palm-leaf, grass and rushes; floor cloths of rattan and cocoa-nut fibre, aloe fibre, etc.
- Class 636. Floor oil-cloths, and other painted and enameled tissues, and imitations of leather with a woven base.
- Class 637. Woven fabrics of mineral origin—fine wire-cloths, sieve-cloth, wire screen, bolting cloth. (See also Group 117.) Asbestos fibre, spun and woven, with the clothing manufactured from it. Glass thread, floss and fabrics. (See also Class 595.)

GROUP 102.

YARNS AND WOVEN GOODS OF COTTON, LINEN AND OTHER VEGETABLE FIBRES.

- Class 638. Cotton fabrics.—Yarns, twines, sewing-cotton, tapes, webbings, battings, waddings, plain cloths for printing and converting, print cloths, brown and bleached sheetings or shirtings, drills, twills, sateens, ginghams, cotton flannels, fine and fancy woven fabrics, duck, ticks, denims, stripes, bags, and bagging. Upholstery goods.—Tapestries, curtains and thenilles.
- Class 639. Linen fabrics.—Linen thread, cloths and drills, plain and mixed; napkins, tablecloths, sheetings, shirtings, etc.; cambrics, handkerchiefs, and other manufactures of linen.

GROUP 103.

WOVEN AND FELTED GOODS OF WOOL AND MIXTURES OF WOOL.

- Class 640. Woolen and worsted fabrics—woolen yarns, union or merino worsted tops, noils and yarns, shoddy and mungo.
- Class 641. Woolen goods.—All wool woolen cloths, doe-skins, cassimeres, indigo flannels and broadcloth, overcoatings, cloakings and kerseys, flannels, dress goods, etc., for both men and women.
- Class 642. Blankets, robes, traveling rugs, horse blankets, shawls, bunting, etc.
- Class 643. Worsted goods.—Coatings, serges, suitings, cashmeres, etc.
- Class 644. Cotton and woolen-mixed woven goods.—Unions, tweeds, chevots, flannels, linseys, blankets, etc.
- Class 645. Woven on cotton warps.
- Class 646. Upholstery goods.
- Class 647. Sundries and small wares, webbings and gorings, bindings, beltings, braids, galloons, fringes and gimps, cords and tassels, and all elastic fabrics, dress trimmings, embroideries, etc.
- Class 648. Felt goods, felt cloths, trimming and lining felt, felt skirts and skirting, table and piano covers, felts for ladies' hats, saddle felts, druggists, and endless belts for printing machines, rubber shoe-linings and other foot wear, hair feltings.
- Class 649. Carpets and rags, ingrains (two-ply and three-ply) and art carpets, tapestry and body Brussels, tapestry velvet, Wilton or Wilton velvet, Axminster, tapestry Wilton, Moquette, ingrain and Smyrna rugs, other woolen rugs, rag carpets.
- Class 650. Wool hats of every description.
- Class 651. Fabrics of hair, alpaca, goat's hair, camel's hair, etc., not otherwise enumerated.

GROUP 104.

CLOTHING AND COSTUMES.

- Class 652. Ready-made clothing—Men's and boys'.
- Class 653. Dresses, gowns, habits, costumes.
- Class 654. Hats and caps.
- Class 655. Bonnets and millinery.
- Class 656. Boots and shoes.
- Class 657. Knit goods and hosiery, woven gloves, gloves of leather and skins.
- Class 658. Shirts, collars, cuffs, cravats, suspenders, braces, and appliances.
- Class 659. Sewing machines for domestic purposes.

GROUP 105.

FURS AND FUR CLOTHING.

- Class 660. Furs and skins, dressed and tanned. Of the cat tribe, of the wolf tribe, of the weasel tribe, of the bear tribe, of the seal tribe. Fur seals—Alaska, Oregon, South Georgia, Shetland and Siberia, undressed, plucked and dyed. Hair seals—Greenland and Labrador seals, spotted seals, silver seals, harp seals, saddle-back. Furs of rodent animals—squirrels, chinchilla, beaver, hares, rabbits, and other fur-bearing animals. Birds' skins treated as furs. Swans and swan's down. Skins. Goose and goose down used as swan's down. Grebe, eider-down, and penguin.
- Class 661. Fur mats and carriage or sleigh robes.
- Class 662. Fur clothing.
- Class 663. Fur trimmings.

GROUP 106.

LACES, EMBROIDERIES, TRIMMINGS, ARTIFICIAL FLOWERS, FANS, ETC.

- Class 664. Laces of Linen and cotton, of silk, wool or mohair, made with the needle or the loom; silver and gold lace.
- Class 665. Embroideries, crochet-work, etc.; needle-work.
- Class 666. Artificial flowers for trimming and for decoration of apartments.
- Class 667. Fans.
- Class 668. Trimmings in variety, not otherwise classed. Buttons, hooks and eyes, pins and needles.
- Class 669. Art embroidery and needlework.
- Class 670. Tapestries, handmade.
- Class 671. Tapestries, machine work.

GROUP 107.

HAIRWORK, COIFFURES AND ACCESSORIES OF THE TOILET.

- Class 672. Hairwork, as souvenirs and ornaments.
- Class 673. Coiffures, wigs, switches, etc.
- Class 674. Barbers' and hairdressers' tools and appliances.
- Class 675. Combs, brushes. (See also class 549.)

GROUP 108.

TRAVELING EQUIPMENTS—VALISES, TRUNKS, TOILET CASES, FANCY LEATHER WORK, CANES, UMBRELLAS, PARASOLS, ETC.

- Class 676. Tents, shelters, and apparatus for camping, camp stools, etc., hampers, baskets, etc.
 Class 677. Shawl and rug straps and pouches, gun cases.
 Class 678. Valises of various materials, dress-suit cases, satchels, handbags, etc.; toilet articles.
 Class 679. Trunks of leather, paper, canvas and of wood and metal.
 Class 680. Fancy bags, pouches, purses, card cases, portfolios, pocket-books, cigar cases, smoking pipes, cigar-holders, etc.
 Class 681. Canes.
 Class 682. Umbrellas and parasols.

GROUP 109.

RUBBER GOODS, CAOUTCHOUC, GUTTA PERCHA, CELLULOID AND ZYLONITE.

- Class 683. Clothing; mackintoshes, capes, coats, boots, shoes, hats, etc.
 Class 684. Piano and table covers, horse covers, carriage cloth.
 Class 685. Stationers' articles.
 Class 686. Druggists' articles, toilet articles.
 Class 687. Medical and surgical instruments. (See also Group 148.)
 Class 688. House-furnishing articles, mats, cushions.
 Class 689. Hose, tubes, belting, packing.
 Class 690. Insulating compounds.
 Class 691. Toys of rubber.
 Class 692. Gutta percha fabrics.

GROUP 110.

TOYS AND FANCY ARTICLES.

- Class 693. Automatic and other toys and games for the amusement and instruction of children.
 Class 694. Bonbons, fancy boxes and packages for confectionery.
 Class 695. Miscellaneous fancy articles not especially classed.

GROUP 111.

LEATHER AND MANUFACTURES OF LEATHER.

- Class 696. Hides and skins.
 Class 697. Tanned leathers; belting, grain and harness leather; sole leather; calf, kip and goat skins; sheep skins.
 Class 698. Curried leathers.
 Class 699. Patent and enameled leathers; morocco.
 Class 700. Alligator, porpoise, walrus and kangaroo leather.
 Class 701. Russia leathers.
 Class 702. Oil leathers, wash leather, and all other varieties of leather not before named.
 Class 703. Parchment for commissions, patents, deeds, diplomas, etc. Vellum for similar purposes, and for books and book-binding; for drums and tambourines; for gold-beaters' use, etc.
 Class 704. Leather belting.
 Class 705. Embossed leather for furniture, wall decoration, etc.
 (For trunks, see Class 679. For harness, saddlery, etc., see Class 523.)

GROUP 112.

SCALES, WEIGHTS AND MEASURES.

(See also Group 151.)

- Class 706. Scales for commercial use in weighing groceries, produce and merchandise. Counter scales, etc.; portable platform scales.
 Class 707. Scales for weighing heavy and bulky objects, as hay, ice, ores, coal, railway cars, etc.
 Class 708. Druggists' and prescription scales.
 Class 709. Bullion scales. Assayers' and chemists' scales. (See also Class 408.)
 Class 710. Postal balances.
 Class 711. Gas and water meters.
 Class 712. Commercial weights and sets of weights—avoirdupois, troy and apothecaries', with the weights of the metric system.
 Class 713. Commercial examples of the measures of capacity, for solids and fluids—measuring glasses for the kitchen and for the laboratory.

GROUP 113

MATERIAL OF WAR; ORDNANCE AND AMMUNITION. WEAPONS AND APPARATUS OF HUNTING, TRAPPING, ETC.; MILITARY AND SPORTING SMALL ARMS.

- Class 714. Military small-arms, rifles, pistols and magazine-guns, with their ammunition.
- Class 715. Light artillery, compound guns, machine guns, mitrailleuses, etc.
- Class 716. Heavy ordnance and its accessories.
- Class 717. Knives, swords, spears and dirks.
- Class 718. Fire-arms used for sporting and hunting; also other implements for same purpose. (See also Group 161.)

GROUP 114.

LIGHTING APPARATUS AND APPLIANCES.

- Class 719. Lamps for burning petroleum, burners, chimneys, shades, table lamps, hanging lamps.
- Class 720. Lanterns, coach lamps, street and special lights and lanterns.
- Class 721. Illuminating gas; fixtures, burners and chandeliers.
- Class 722. Electroliers and electric lamps.
- Class 723. The "lucigen" and similar lighting apparatus.

GROUP 115.

HEATING AND COOKING APPARATUS AND APPLIANCES.

- Class 724. Fire-places, grates, and appurtenances for burning wood, coal or gas.
- Class 725. Hot-air heating furnaces.
- Class 726. Steam heaters, hot-water heaters, radiators, etc.
- Class 727. Stoves for heating, cooking stoves, kitchen ranges, grills, roasting jacks, ovens, etc. Stove polish.
- Class 728. Gas burners for heating, gas logs, gas stoves, etc.
- Class 729. Petroleum stoves.
- Class 730. Kitchen utensils and other miscellaneous articles for household purposes.

GROUP 116.

REFRIGERATORS, HOLLOW METAL WARE, TINWARE, ENAMELED WARE.

- Class 731. Refrigerators. Soda and aerated water fountains and appliances.
- Class 732. Cast hollow-ware—kettles, pots, etc.
- Class 733. Hollow-ware of copper, nickel, tin-plate and iron; bells.
- Class 734. Enameled ware, granite ware and porcelain-lined ware. Enameled letters and signs.

GROUP 117.

WIRE GOODS AND SCREENS, PERFORATED SHEETS, LATTICE WORK, FENCING, ETC.

(See also Group 65.)

- Class 735. Wire-cloth of brass or of annealed iron and steel.
- Class 736. Wire-cloth of special alloys, as aluminum-bronze wire, etc.
- Class 737. Sieves of various grades and materials.
- Class 738. Screens for special purposes.
- Class 739. Perforated metal plates.
- Class 740. Artistic lattice work.
- Class 741. Wire netting.
- Class 742. Wire fencing. (For trellis work for gardens and flowers, see also Group 26.)

GROUP 118.

WROUGHT-IRON AND THIN METAL EXHIBITS.

- Class 743. Wrought-iron gates, railings, crestings and artistic forgings, not otherwise specifically classed. (See also Department K.)
- Class 744. Repousse, hammered and stamped metal ornaments used for buildings, bridges and other structures.
- Class 745. Beams, girders, columns, angle-irons, etc.
- Class 746. Horse-shoes and crude forgings.

GROUP 119.

VAULTS, SAFES, HARDWARE, EDGE TOOLS, CUTLERY.

- Class 747. Builder's hardware. Locks, latches, spikes, nails, screws, tacks, bolts, hinges, pulleys; furniture fittings; ship's hardware and fittings.
- Class 748. Axes, hatchets, adzes, etc.
- Class 749. Edge tools of various descriptions.
- Class 750. Saws, files.
- Class 751. Cutlery—knives, scissors, shears, razors, etc.; table cutlery.
- Class 752. Vaults, safes and appliances; machinists' and metal workers' tools.

GROUP 120.**PLUMBING AND SANITARY MATERIALS.**

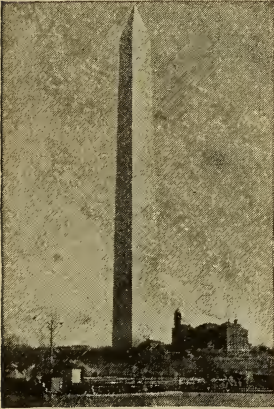
- Class 753. Bath tubs, bathing appliances and attachments.
Class 754. Water closets, syphons, flushing tanks; apparatus and receptacles for ventilation and sewerage.
Class 755. Porcelain laundry tubs, basins, cocks, drains and other appliances.
Class 756. Plumbers' and gas fitters' hardware and miscellaneous appliances.

GROUP 121.

MISCELLANEOUS ARTICLES OF MANUFACTURE NOT HERETOFORE CLASSED.



TRANSPORTATION BUILDING, WORLD'S FAIR. NINE OTIS ELEVATORS.
 (ALSO FOUR OTIS ELECTRIC ELEVATORS CARRYING VISITORS TO ROOF OF MANUFACTURES AND LIBERAL ARTS BUILDING.)



WASHINGTON MONUMENT.
 ONE OTIS ELEVATOR.

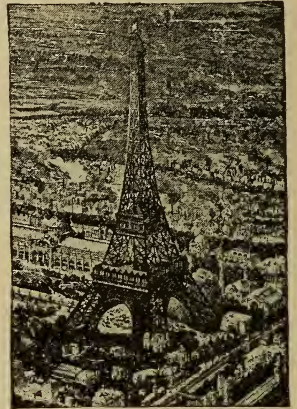
Otis Brothers & Co's. Offices.

ATLANTA.	NEW YORK CITY.
BOSTON.	PHILADELPHIA.
BUFFALO.	PITTSBURGH.
HELENA.	SALT LAKE CITY.
LOS ANGELES.	SAN FRANCISCO.
MONTREAL.	TORONTO, ONT.
MEXICO CITY.	WASHINGTON, D.C.

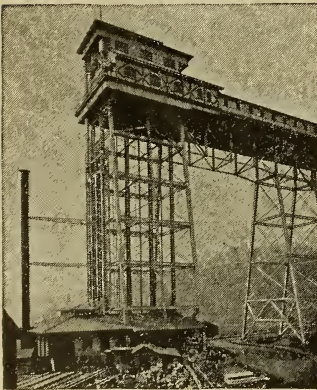
Hale Elevator Co.

(ERECTING OTIS ELEVATORS.)

CHICAGO.	MINNEAPOLIS.
DETROIT.	NEW ORLEANS.
KANSAS CITY.	ST. LOUIS.



EIFFEL TOWER, PARIS.
 TWO OTIS ELEVATORS.



NORTH HUDSON COUNTY RAILWAY,
 WEEHAWKEN, N. J.
 THREE OTIS ELEVATORS.

Otis Elevator Co., Ltd.

AMSTERDAM.	LIVERPOOL.
BERLIN.	LONDON.
BIRMINGHAM	MADRID.
BRUSSELS.	MANCHESTER
GENEVA.	PARIS.
GLASGOW.	ROME.
LISBON.	STOCKHOLM.
	ZURICH.

Austral-Otis Elevator Co.

ADELAIDE.
BRISBANE.
MELBOURNE.
NEW ZEALAND.
SYDNEY.



CATSKILL MOUNTAIN INCLINE RAILWAY.

OTIS BROTHERS & CO.,

General Offices, 36 and 38 Park Row, New York.

(The Largest Elevator Works in the World.)

Elevators operated by Hydraulic, Steam, Electric, or Belt Power.

Also, Builders of the Otis Electric Pump, self-regulating. Can be attached to any electric light line.

Department H.--Manufactures.

UNITED STATES

GROUP 87.

Chemical and Pharmaceutical Products
—Druggists' Supplies.

Exhibits in this group are installed in section Q, block 1, north.

1. Allen's, J. J., Sons, Philadelphia. Phosphorus and associated chemicals. 546
2. Austrain, Lena G., Chicago. Hair tonic and lotion. 549
3. Baker Castor Oil Company, New York. Camphor. Dept. A 548
4. Baldwin, B. D., & Co., Chicago. Perfumes. 549
5. Bower, Henry, & Son, Philadelphia. Chemical alkalies. 544
6. Burnett, Joseph, & Co., Boston. Flavoring extracts, perfumery and color pastes. 549
7. Buttermilk Toilet Company, Chicago. Soap. 549
8. Cobb, Mary E. Manicure goods and toilet preparations 548
9. Cheesebrough Manufacturing Company, New York,
 - a Medicinal preparations. 547
 - b Soaps; toilet preparations, etc. 549
10. Dodge & Olcott, New York.
 - a Drugs and chemicals. 547
 - b Essential oils. 549
11. Durkee, E. R., & Co., New York. Flavoring extracts. 549
12. Fritzsche Bros., New York. Essential oils. 549
13. Gordon, W J M., Chemical Company, Cincinnati. Glycerine. 546
14. Gribble & Nash, New York. Refined camphor. 544
15. Hotchkiss, H. G., Sons, Lyons, N. Y. Essential oils. 549
16. India Alkali Works, Boston. Alkalies and alkaline earths. 544
17. Kirk, J. S., & Co., Chicago. Soaps, perfumery and glycerine. 549
18. Krembs & Co., Chicago.
 - a Chemical preparations. 546
 - b Pharmaceutical and technical preparations. 547
19. Ladd & Coffin, New York. Perfumery, cologne and sachet powder. 549
20. Lazell, Dalley & Co., New York. Perfumery. 549
21. Lorenz, George, Toledo, Ohio. Perfumery and toilet articles. 549
22. Low's, Robert, Son, Brooklyn, N. Y. Toilet soap and perfumeries. 549
23. Marx & Rawolle, New York. Glycerine. 547
24. Melzer, A., & Co., Evansville, Ind. Soaps. 549
25. Moulie, E., Jacksonville, Fla. Perfumery and raw materials. 549
26. Morgan, Enoch, Sons, Chicago. Scouring soap. 549
27. Osterhout, Mrs. E. A., Chicago. Toilet soap. 549
28. Palmer, Solon, New York. Perfumery and toilet soaps. 549
29. Pennsylvania Salt Manufacturing Company, Philadelphia. Alkalies and alkaline earth. 544
30. Powers & Weightman, Philadelphia. Chemicals. 546
31. Preston, Andrew P., Portsmouth, N H. Pharmaceutical specialties and toilet preparations. 549
32. Putnam Manufacturing Company, St. Louis. Toilet preparations. 549
33. Remmey, Richard C., Philadelphia. Chemical stoneware. 548
34. Ricksecker, Theo., New York. Perfumery and toilet goods. 549
35. Rosengarten & Sons, Philadelphia. Chemicals. 546
36. Roessler & Hasslacher Chemical Co., New York. Chemicals. 546
For exhibit see page 425.
37. Todd, Albert M., Kalamazoo, Mich.
 - a Chemicals. 546
 - b Drugs. 547
 - c Essential oils. 549
38. Zehring Company, Chicago. Perfumes and toilet goods. 549

GROUP 88.

Paints, Colors, Dyes and Varnishes.

Exhibits in this group are installed in Sec. G, Block 2, north, and Sec. H, Block 1, south.

39. Arnstein, Eugene, Chicago. Bronze powder, paints, brushes, etc. G-2-No. 555
40. Berry Bros., Ltd., Chicago. Varnishes. H-1-So. 552
41. Bridgeport Wood Finishing Company, New Milford, Conn. Paints, fillers, stains and polishes. H-1-So. 552
42. California Ink Company, Santa Paula, Cal. Printing inks. G-2-No. 552
43. Caws Pen & Ink Co., New York. Inks. G-2-No. 552
44. Chicago Varnish Company, Chicago. Varnish and fossil gums. H-1-So. 552

DEPARTMENT H.—MANUFACTURES.

45. DeGolyer, Watts, Company, Chicago. Varnishes. H-1-So. 552
46. Dexter Bros., Boston. Shingle stain. H-1-So. 552
47. Dunham, G. D., Chicago. Glaziers' diamonds. G-2-No. 554
48. Egyptian Lacque M'fg Co., New York. Lacquers and varnishes. 554
49. Gerts, Lombard & Co., Chicago. Paint brushes, etc. G-2-No. 554
50. Hall, Fannie E., New York. Ceramic colors. 553
51. Heath & Milligan Manufacturing Company, Chicago. Paints and supplies. H-1-So. 552
52. Hebblewhite Manufacturing Company, Buffalo, N. Y. Stove polish. 552
53. International Ultramarine Works, New York. Ultramarine blue. G-2-No. 552
54. Johns, H. W., Manufacturing Company, New York. Paints, oils and stains. H-1-So. 552
55. Leidel, Henry, New York. Artists' colors and materials. G-2-No. 555
56. Masury, John W., & Son, Chicago. a Varnishes, japans and stains H-1-So. 552
b White leads. 553
c Artists' colors. 555
57. O'Brien Varnish Company, South Bend, Ind. Oils, varnishes and lacquers G-2-No. 552
- For exhibit see page 358.
58. Rinald Bros., Philadelphia. Paints applied to a wooden windmill. H-1-So. 552
59. Rubber Paint Company, Chicago. Paints and materials. H-1-So. 552
60. Scientific Art & Decorative Co., New York. Decorative paint. 554
61. Senour Manufacturing Company, Chicago. Paints and colors. G-2-So. 552
62. Thomas, L. H., Company, Chicago. Inks; mucilage; bluing G-2-No. 552
63. Valentine, Lawson, Company, New York. Varnishes and colors. H-1-So. 552
64. Valentine & Co., Chicago. Varnishes, colors and material. H-1-So. 552
65. Weber, F., & Co., Philadelphia. Artists' materials. G-2-No. 555
66. Wiggin & Stevens, Malden, Mass. Sandpaper. G-2-No. 554
67. Whiting, John L., & Son, Boston. Brushes. G-2-No. 554
68. Woods, Henry, Sons Company, Boston. Paints and colors. G-2-No. 552
72. Auto-typograph Co., Chicago. An instrument for copying handwriting and typewriting. 564
73. Bardeen Paper Company, Otsego, Mich. Paper materials. Gal. F 556
74. Blickensderfer M'fg Co., New York. Typewriters 564
75. Book Typewriter Co., Rochester, N. Y. Typewriter. 564
76. Brown, L. L., Paper Company, Adams, Mass. Ledger and record paper. Gal. F 560
77. Bushnell, Alvah, Philadelphia. Copying books and office supplies. Gal. F 564
78. Crandall Machine Company, Groton, N. Y. Typewriters. Gal. F 564
79. Carey Bros., Philadelphia. Wall paper. N-3 563
80. Crane Bros., Westfield, Mass. Linen record and writing paper. Gal. F 560
81. Crane, Z. & W. M., Dalton, Mass. Writing paper and stationery. Gal. F 560
82. Crane & Co., Dalton, Mass. Bank note, bond and parchment paper. Gal. F 560
83. Crosby Paper Co., Marion, Ind. Strawboard. 557
84. Columbia Typewriter Manufacturing Company, New York. Typewriter. Gal. F 564
85. Crown Pen Company, Chicago. Fountain and gold pens. Gal. F 564
86. Cyclostyle Company, New York. Duplicators, stands and cabinets. 564
87. Dennison Manufacturing Company, Chicago. Stationers' goods; tissue paper articles. Gal. F 557
88. Densmore Typewriter Company, New York. Typewriters. Gal. F 564
89. Denver Paper Mills, Denver, Col. Paper. 556
90. Dick, A. B. Co., Chicago. Typewriters, mimeograph, letter files. Gal. F 564
91. Dixon, Joseph, Crucible Company, Jersey City, N. J. Pencils; models of graphite industry. Gal. F 564
92. Electrose Manufacturing Company, Chicago. Inkstands, paper weights, etc. Gal. F 564
93. Essex Typewriter, New York. Typewriters. 564
94. Esterbrook Steel Pen Manufacturing Company, Camden, N. J. Metallic pens and penholders. Gal. F 564
95. Foley, John, New York. Pens, pencils, penholders, etc. Gal. F 564
96. Franklin Manufacturing Company, Rochester, N. Y. Lumber and shipping crayons. Gal. F 564
97. Grieshaber, B., Chicago. Gold pens; picks; pencils; fountain pens Gal. F 564
98. Hawes, Mrs. Jessie, Greeley, Col. Decorated card. 562
- 98a. Hake, Ph., Manufacturing Company, New York. Stationery. Gal. F 560
99. Hammon Typewriter Company, Chicago. Typewriters and appurtenances; models of printing devices and factory Gal. F 564
100. Harding Paper Company, Franklin, Ohio. Ledger and writing paper. Gal. F 560
101. Hunt, E. C., Glen Cove, N. Y. Marking material, letter heads. 564

GROUP 89.

Typewriters, Paper, Blank Books,
Stationery.

Exhibits in this group are installed in Sec. N, Block 3, and Gallery, Sec. F.

69. Amberg File & Index Co., Chicago. Letter files, copying and index books. Gal. F 564
70. American Paper Pail & Box Company, New York. Paper pails, boxes and napkins. Gal. F 557
71. American Writing Machine Company, Hartford, Conn. Writing machine and appliances; typewriter. Gal. F 564

UNITED STATES.

- 102. Hurlburt Paper Manufacturing Company, South Lee, Mass. Writing paper and envelopes. Gal. F 560
- 103. Illinois Iron & Bolt Co., Carpentersville, Ill. Copy presses and stands. Gal. F 564
- 104. Kiefer, Karl, Cincinnati, Ohio. Typewriter. 564
- 105. Merchants' Roll Paper Supply Company, Indianapolis, Ind. Wrapping paper, cutter and printer. Gal. F 558
- 106. Mermod & Jaccard Jewelry Co., St. Louis. Society stationery. 564
- 107. Mills, Knight & Co., Boston. Fancy leather work. 561
- 108. Munson Typewriter Co., Chicago. Typewriters. 564
For exhibit see page 1035.
- 109. National Typewriter Company, Philadelphia. Typewriters and supplies. Gal. F 564
- 110. Office Specialty Company, Rochester, N. Y. Mercantile labor-saving devices. Gal. F 564
- 111. Ohmer's, M., Sons Company, Dayton, Ohio. Filing document cases, etc. Gal. F 564
- 112. Parks, Anna M., Albany, N. Y. Perforating machine. 564
- 113. Paterson Parchment Paper Company, Passaic, N. J. Parchment paper. Gal. F 560
- 114. Pearce, F. T., & Co., Providence, R. I. Gold pens, pencils, penholders, etc. 564
- 115. Philadelphia Typewriter Co., Philadelphia. Typewriters. 564
- 116. Pomeroy Bros., Newark, N. J. Writing inks, mucilage, sealing wax, etc. 564
- 117. Rockwell & Rupel Co., Chicago. Copy presses, typewriters' supplies. 564
- 118. Rogers Manifold Carbon Paper Company, New York. Manifold and carbon paper, typewriter supplies. 564
- 119. Rubel Bros., Chicago. Account books and system of accounts Gal. F 561
- 120. Safeguard Account Company, Chicago. Account books and system of book-keeping. Gal. F 561
- 121. Scott Paper Company, Philadelphia. Toilet paper and fixtures. Gal. F 558
- 122. Shattuck Pen Co., New York. Stationers' and jewelers' specialties. 564
- 123. Shepard, Henry O., Co., Chicago. Blank books, cards, printed books, etc. 561
- 124. Smith Premier Typewriter Company, Chicago. Typewriters and supplies. Gal. F 564
- 125. Smith, The S. T., Co., New York. Typewriter supplies. 564
- 126. Standard Paint Company, New York. Insulating and waterproof papers. Gal. F 557
- 127. Thompson & Norris Co., Brooklyn, N. Y. Bottle packing. Cork and corrugated paper goods. Gal. F 557
- 128. Waterman, L. E., & Co., New York. Fountain pens. Gal. F 564
- 129. Wells Manufacturing Company, Syracuse, N. Y. Letter files, indexed books, racks, etc. Gal. F 564

- 130. Western Coated Paper & Card Company, Chicago. Coated papers. Gal. F 559
- 131. Western Paper Bag Company, Batavia, Ill. Paper bags and paper. Gal. F 558
- 132. Weston, Byron, Dalton, Mass. Ledger and record paper. Gal. F 560
- 133. Whiting Paper Company, New York. Paper, envelopes, visiting cards, etc. Gal. F 560
- 134. Wirt, Paul E., Bloomsburg, Pa. Fountain pens. Gal. F 564
- 135. Wyckoff, Seamans & Benedict, New York. Typewriters and appurtenances. Gal. F 564
For exhibit see page 356.
- 136. Yost Writing Machine Company, New York. Typewriters. Gal. F 564

GROUP 90.

Furniture of Interiors, Upholstery and Artistic Decorations.

Exhibits in this group are installed in Sec. N, Block 2, Sec. O, Block 2, Sec. P, Block 2, and Sec. 2, Block 1, south.

- 137. Abernethy, Wm. J., Minneapolis, Minn. Window shades. Dept. L. 568
- 138. Adams & Westlake Co., Chicago. Brass bedsteads. N-2 565
- 139. American Saloon Fixture Company, Chicago. Saloon furniture. Q-1-So. 566
- 140. Andrews, A. H., & Co., Chicago. Folding beds, chairs and school apparatus. P-2 565
- 141. Armstrong Furniture Company, Evansville, Ind. Tables. Q-1-So. 566
- 142. Berkey & Gay Furniture Co., Grand Rapids, Mich. Suites of furniture. 567
- 143. Boughton, John W., Philadelphia. Parquet floors, fret and grill work. Q-1-So. 571
- 144. Brunswick, Balke, Collender Company, Chicago. Furniture for club, billiard and bar rooms. Q-1-So. 572
- 145. Buffalo Iron & Brass Bedstead Co., Buffalo, N. Y. Brass and iron bedsteads. N-2 565
- 146. Buxbaum, Leopold, Chicago. Restaurant table. O-2-So. 566
- 147. Central Manufacturing Company, Chicago. Office furniture. O-2-So. 566
- 148. Child, Geo. F., Chair Co., Chicago. Adjustable chairs. 565
- 149. Cincinnati Furniture Exhibit, Cincinnati, O. House and office furniture. 567
- 150. Clark, E. B., & Co., Chicago. Moldings and picture frames. O-2-So. 569
- 151. Dean & Co., Chicago. Bamboo furniture. 567
- 152. Demme & Dierkes Furniture Co., Chicago. Chamber suits. Q-1-So. 567
- 153. Derby & Kilmer Desk Co., Boston. Office furniture. P-2 566
- 154. Dibblee, Henry Company, Chicago. Furniture, mantels and decorations. N-2 572
- 155. Drake Company, St. Paul, Minn. Petrified wood bric-a-brac. 572

DEPARTMENT H.—MANUFACTURES.

156. Ehman & Simon Manufacturing Co., Chicago. Wood mantels and interior finishing. 570
For exhibit see page 351.
157. Garden City Billiard Table Company, Chicago. Billiard tables, cues, balls, etc. P-2-So. 566
158. Gendron Iron Wheel Company, Toledo, Ohio. Reed furniture and bamboo novelties. Q-1-So. 555
159. Goshen Furniture Co., Goshen, Ind. Extension tables. O-2 566
160. Hall & Garrison, Philadelphia. Art furniture, mirror and picture frames. Q-1-So. 569
161. Hamline, L. M., & Co., Chicago. Chamber suites. O-2 567
162. Herts Brothers, New York. Furniture decorations and draperies. N-2 572
163. Horn Bros. Manufacturing Company, Chicago. Chamber suites, sideboards and chiffoniers. O-2 567
164. Horning Manufacturing Company, Chicago. Barber shop fittings. P-2 572
165. Hunzinger, Geo., & Son, New York. Chairs, sofas and tables. Q-1-So. 565
166. Indianapolis Furniture Exhibit, Indianapolis, Ind. Furniture. 567
167. Indianapolis Unified Furniture Exhibit, Indianapolis. Furniture. 567
168. Interior Hardwood Company, Indianapolis, Ind. Ornamental hardwood parquetry. P-2 571
169. Jansen, Ed., New York. Reed and rattan furniture, etc. N-2 572
170. Kane, Thos., & Co., Chicago. Post-office furniture. P-2 572
171. Karpen, S., & Bros., Chicago. Parlor furniture. O-2 567
172. Kinnear & Gager Co., Columbus, O. Ceiling and wainscoting. Q-1-So. 571
173. Klaber, S., & Co., New York. Mexican onyx and other marble and bronze ornamentations. N-2 572
174. Klemm, Smith & Co., Chicago. Picture frames, mouldings, looking glasses, etc. Dept. L. 569
175. Kochs, Theo. A., Chicago. Barbers' supplies. P-2 572
176. Koenig & Gamer Furniture Co., Chicago. Chamber suites, chiffoniers and cribs. Q-1-So. 567
177. Ledig, R. G., Philadelphia. Onyx and brass furniture and woodwork. N-2 566
178. Marks Adjustable Folding Chair Company, Chicago. Folding chairs. P-2 565
179. Meriden Curtain Fixture Co., Meriden, Conn. Window shade fixtures. 568
180. Metropolitan Air Goods Company, Boston. Air mattresses, cushions and life-saving goods. Q-1-So. 565
181. Midland Desk Manufacturing Company, Chicago. Office desks. P-2 566
182. Munson Typewriter Company, Chicago. Typewriters. 564
183. New Haven Chair Company, New Haven, Conn. Chairs. P-2 565
184. Nevius & Haviland, New York. Spring shade roller. 564
185. Olsen, O. C. S., & Co., Chicago. Desks and combination bed. O-2 566
186. Oriel Cabinet Company, Grand Rapids, Mich. Fancy furniture. Q-1-So. 566
187. Passow, Chas., & Sons, Chicago. Bar and billiard-room fixtures, etc. Q-1-So. 572
188. Peterson, A., & Co., Chicago. Desks. Q-1-So. 566
189. Philadelphia Typewriter Company, Philadelphia. Typewriters. 564
190. Plimpton, H. R., & Co., Boston. Sofas and bed lounges. Q-1-So. 565
191. Pomeroy Bros., Newark, N. J. Writing inks, mucilage, sealing wax, etc. 564
192. Richter, August F., Chicago. Mirrors, picture frames and moldings. O-2 569
193. Reuhl Molding Manufacturing Company, Cincinnati, Ohio. Picture frames and picture frame moldings. 569
194. Rockford Furniture Exchange, Rockford, Ill. Furniture. 567
195. Rothchild's, R., Sons Co., Cincinnati, Ohio. Bar-room equipments. 572
196. Sanguinetti, Percy A., Chicago. Folding beds. O-2 567
197. Schlesinger, Wiessner & Co., South Brooklyn, N. Y. Metallic beds, steel furniture, etc. N-2 565
198. Schwarzwaelder, Wm., & Co., New York. Roll top desks. P-2 566
199. Schwartz, L., & Co., Buffalo, N. Y. Hardwood mantels. Q-1-So. 570
200. Sheboygan Chair Company, Sheboygan, Wis. Chairs. P-2 565
201. Smith, B. & W. B., New York. Office and store furniture. Q-1-So. 566
202. Stewart Hartshorn Company, Chicago. Self-acting shade rollers. 568
203. Sypher & Co., New York. Tapestries, souvenirs of Emperor Napoleon I, etc. 572
204. Wemple, Jay C., Co., Chicago. Window shades and shade rollers. 568
205. Wenter, F., & Co., Chicago. Hat-racks, china closets and cabinets. O-2 566
206. Whitcomb Metallic Bedstead Company, Birmingham, Conn. Brass and iron beds and mattresses. N-2 565
207. Windsor Folding Bed Company, Chicago. Folding beds, tables, chairs, etc. P-2 565

GROUP 91.

Ceramics and Mosaics.

Exhibits in this group are installed in Sec. H., Block 1, north, with one exception, which is noted opposite exhibiter's name.

208. Barnum, Ella M., Adrian, Mich. China decorations. 577
209. Bushnell, Mrs. Geo., Denver, Col. Decorated china. 577
210. Brown, Miss Jennie, Denver, Col. Decorated china. 577
- 210a. Brown & Eberhardt, Philadelphia. China bric-a-brac, statuary, etc. 576
211. Case, Mrs. Nettie, Denver, Col. Decorated china. 577
212. Case, Mrs. W., Denver, Col. Decorated china. 577
213. Central Press Brick Company, Cleveland, Ohio. Pressed brick. 574
214. Cincinnati Ceramic Art Club, Cincinnati, O. China decorations. 577

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215. Coleman, Mrs. Laura C., Denver, Col. Decorated china. 577
216. Coloden Terra Cotta Company, New York. Terra cotta tiles. 574
217. Columbian Ceramic Ass'n, Chicago. Decorated china. 577
218. Conley, Miss Carrie E., Denver, Col. Decorated china. 577
219. Cooley, Miss A. J., Aspen, Col. Decorated china. 577
220. Covey, Mrs., Pueblo, Col. Decorated china. 577
221. Dwright, Minnie T., New York. Decorated china. 577
222. Fading, Ada C., Denver, Col. Decorated china. 577
223. Fiske, Homes & Co., Boston. Fire-brick, sewer pipe, etc. 574
224. Galloway, Wm., Philadelphia. Ornamental terra cotta and decoration. 574
225. Haydenville Mining & Manufacturing Co., Haydenville, Ohio. Bricks, terra cotta, etc. 574
226. Healey, M. & S., Washington, D. C. Decorated china and chryso-ceramics. 577
227. Hydraulic Press Brick Company, St. Louis. Pressed bricks. 574
228. Johnson, Mrs. Egbert, Denver, Col. Decorated china. 577
229. Kassler, Mrs. Chas., Denver, Col. Decorated china. 577
230. Lavaron, Leonide C., Chicago. Decorated china; punch bowl. 577
231. Low Art Tile Company, Chelsea, Mass. Art tiles. 578
232. McGregor, Mrs., Denver, Col. Decorated china. 577
233. Miles, Mrs. W. E., Denver, Col. Decorated china. 577
234. Miller, Miss Ida, Denver, Col. Decorated china. 577
235. Miles, Mrs. Leone B., Denver, Col. Decorated china. 577
236. Northwestern Terra Cotta Company, Chicago. Terra cotta. 574
For exhibit see page 473
237. Olmstead, Mrs. Clarence, Denver, Col. Decorated china. 577
238. Perkins, Mrs. Emily D., Denver, Col. Decorated china. 577
239. Perkins, Mrs. E. S., Denver, Col. Decorated china. 577
240. Pickney, Miss J. R., Denver, Col. Decorated china. 577
241. Pioneer Fire Proof Construction Company, Chicago. Fire clay and terra cotta fire proofing. 574
242. Porter, Mrs. I. B., Denver, Col. Decorated china. 577
243. Quimby, Miss Jessie D., Denver, Col. Decorated china. 577
244. Rookwood Pottery Company, Cincinnati. Artistic pottery. N-1 575
245. Scott, Cora E., Saratoga Springs, N. Y. Decorated china and art embroideries. 577
246. Root, Mrs., Denver, Col. Decorated china. 577
247. Tiffany Pressed Brick Company, Chicago. Plain and ornamental brick. 574
248. Wilder, Mrs. Eugene, Boulder, Col. China decorations. 577

249. Wilke, Mrs. F. A., Richmnd, Ind. Decorated china. 577

GROUP 92.

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

Exhibits in this group are installed in Sec. H, Block 2.

250. Barre Manufacturing Company, Barre, Vt.
a Granite monuments. 581
b Granite fountains. 582
c Granite mantels, etc. 583
251. Bowers, R. C., Granite Company, Montpelier, Vt. Monuments. 581
252. Egyptian Chemical Company, Boston. Embalming instruments, fluids and specialties. 584
253. Eureka Onyx Company, Indianapolis, Ind. Articles manufactured from onyx. 583
254. Granite Manufacturing Association, Quincy, Mass. Monuments, headstones, curbing, etc. 581
255. Kimes, Jesse B., Philadelphia. Slate burial vault. 581
256. National Steel Catacomb Company, Troy, N. Y. Steel catacomb for casket or coffin. 581
257. Nichols & Co., Chicago. Monuments. 581
258. St. Lawrence Marble Company, Gouverneur, N. Y. Vault front. 581
259. Vermont Marble Company, Proctor, Vt. Rough and manufactured marble. 581
260. White, Alfred, & Sons, Cincinnati. Statues and monuments. 581
261. White, Frank G., South Chicago, Ill. Hermetic shrouds. 584

GROUP 93.

Art Metal Work—Enamels, Etc.

Exhibits in this group are installed in Sec. G, Block 3, north.

262. American Bronze Company, Chicago. Bronze statues and castings. 585
263. Monumental Bronze Company, Bridgeport, Conn. Monuments, statuary, medallions, busts, etc. 585
264. Art Bronze Company, New York. Bronze and electro-bronze statuettes. 585
265. Stafford, N., New York. Medals and checks. 585
266. Van Knyck, Pauline, New York. Brass frame. 585
267. Western White Bronze Company, Des Moines, Ia. Monuments, statuary, busts, medallions, etc. 585

GROUP 94.

Glass and Glassware.

Exhibits in this group are installed in Sec. H, Block 1, south.

268. Diamond Plate Glass Company, Kokomo, Ind. Plate glass. 589
269. Hicks, F. M. & Co., Chicago. Floor, skylight and ornamental work in iron and glass. 591

DEPARTMENT H.—MANUFACTURES.

270. Libbey Glass Co., Toledo, Ohio. Cut glassware. 592
For exhibit see page 226
271. Macbeth, Geo. A., & Co., Pittsburg, Pa. Optical and lamp glasses. 591
272. Strauss, L., & Sons, New York. Cut glassware. 592
273. Wire Glass Company, Philadelphia. Wire glass. 591

GROUP 95.

Stained Glass in Decoration.

Exhibits in this group are installed in Gallery, Sec F.

274. Androvette, Geo. E., & Co., Chicago. Decorative glass. 596
275. Erkins, H., Chicago. Stained glass and glass windows. 596
276. Flanagan & Biedenweg, Chicago. Art glass. 596
277. Healey & Millett, Chicago. Stained glass. 596
278. Herndl, Miss Marie, Chicago. Stained glass window. 596
279. McCully & Miles, Chicago. Stained glass windows and interior decorations. 596
280. Maitland, Armstrong & Co., New York. Glass mosaics and stained glass windows. 596
281. Rawson & Evans, Chicago. Sandblast and ornamental glass. 596
282. Reith, Wm., Philadelphia. Art stained glass. 596
283. Tillinghast, Miss, New York. Stained glass window. 596
284. Wells Glass Company, Chicago. Art stained and ornamental glass. 596

GROUP 96.

Carvings in Various Materials.

Exhibits in this group are installed in Gallery, Sec. F.

285. Angered, Mrs. Constance J., Philadelphia. Jewel box. 598
286. Bachman, Henry G., Philadelphia. Carved ivory handles. 599
287. Bierbau, Miss, Pueblo, Col. Carved wood cabinet. 598
289. Lisscomb, Miss Lucie, Denver, Col. Carved wood chair and table. 598
290. Norton, Albert M., Hightstown, N. J. Wood carving. 598

GROUP 97.

Gold and Silverware, Plate, etc.

Exhibits in this group are installed in Sec. N, Block 1, south.

291. Andrew Messmer Company, Cincinnati. Altar decorations. N-1 So. 604
292. Benziger Bros., Chicago. Catholic church supplies. 604
293. Coleman, Mrs. R. J., Buena Vista, Col. Roses made of pure silver. Dept. E 607
294. Diepenbrock & Uchtman, New York. Church vestments; flags and banners. 604

295. Dirksen, G., Silver Filigree Manufacturing Company, Freeport, Ill. Silver filigree goods. 607
296. Feeley, Wm. J., & Co., Providence, R. I. Church ornaments. 604
297. Gorham Manufacturing Company, Providence, R. I. Silver and plated ware, etc. 605
288. Henderson-Ames Co., Kalamazoo, Mich. Swords, regalia and lodge jewels and furniture. 604
299. Holmes & Edwards Silver Co., Bridgeport, Conn. Silver plated ware. 609
300. Manhattan Silver Plate Company, Lyons, N. Y. Gold and silver-plated hollow ware. 609
301. Meriden Britannia Company, Meriden, Conn. Silver plated ware. 609
For exhibit see page 434
302. Mermod & Jaccard Jewelry Co., St. Louis, Mo. Jewels, watches, silver and plated ware, etc. 605
303. Messmer Company, Andrew, Cincinnati. Church ornaments. 604
304. Pairpoint M'fg Co., New Bedford, Mass. Silver plated ware. 609
305. Rogers, Wm., Manufacturing Company, Hartford, Conn. Silver, gold and silver plated ware. 605
306. Rogers & Bro., Waterbury, Conn. Silver plated ware. 609
For exhibit see page 490
307. Tiffany & Co., New York. Silverware, jewelry, watches, clocks, etc. 605
308. Tufts, James W., Boston. Silver plated ware. 610
309. Whitehead & Hoag, Newark, N. J. Society goods, fancy novelties, etc. 604
310. Wymble Manufacturing Company, Newark, N. J. Silverware. 605

GROUP 98.

Jewelry and Ornaments.

Exhibits in this group are installed in Sec. N, Block 1, north.

311. Albro, Eaton & Co., Providence, R. I. Gold plate chains and charms. 616
312. Arnold & Steere, Providence, R. I. Gold ornaments and rings. 612
313. Bell & Barber, New York. Jewelry and ornaments. 612-16
314. Ballou, B. A. & Co., Providence, R. I. Safety pins. 616
315. Blackinton, W. & S., Attleboro, Mass. Gold plate, silver and fancy chains, etc. 616
For exhibit see page 338
316. Browns Amber M'fg Co., New York. Amber products. 614
317. Canini, J. E., Saratoga Springs, N. Y. Jewelry. 612
318. Child, D. R. & Co., Providence, R. I. Improved sleeve buttons. 612
319. Clark & Coombs, Providence, R. I. Plated rings. 616
320. Corbin, A. R., New York. Jewelry. 616
321. Devereux, O. C., & Co., Providence, R. I. Plated link and collar buttons, silver ornaments, etc. 616
322. Fanning, J. H., Providence, R. I. Gold plated charm lockets, chains, etc. 616

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323. Favre, Leon, New York. Process of transferring portraits from a photograph on watches, lockets, etc. 612
324. Foster & Bailey, Providence, R. I.
a Gold lockets, lace pins, etc. 612
b Gold plated bracelets, chains, etc. 616
 For exhibit see page 339.
325. Fuller, Geo. H., Pawtucket, R. I. Jewelers' findings, ornaments and supplies. 612
326. Gaynor, T. F., New York. Interchangeable jewelry. 616
327. Grant, J. W., & Co., Providence, R. I. Gold plated chains and bracelets, silver jewelry. 616
328. Griffith, R. L., & Son, Providence, R. I. Scarf and lace pins, etc., and shell novelties. 616
329. Hancock, Becker & Co., Providence, R. I.
a Gold rings, mountings, studs, etc. 612
b Gold plated broaches, etc. 616
330. Irons, Chas. F., Providence, R. I.
a Gold emblems. 612
b Plated charms and rings. 616
331. Jones, Edward P., Chicago. Gold and silver watch cases, spoons, forks, etc. 612
332. Kent & Stanley Co., Providence, R. I. Jewelry. 612
 For exhibit see page 215.
333. Lederer, S. & B., Providence, R. I. Plated jewelry, emblems, etc. 616
334. Leland, W. H., & Co., Providence, R. I. Engravings and designs of jewelry. 612
335. Lind, Thomas W., Providence, R. I. Jewelers' findings, settings, etc. 612
336. Lorsch, A., & Co., Providence, R. I.
a Diamonds and other gems. 613
b Agate and other ornaments. 614
c Imitation precious stones. 615
338. Moorehead, R. L. & Co., Providence, R. I. Plated lace and scarf pins, chains, etc., and silver novelties. 616
339. Ostby & Barton, Providence, R. I. Jewelry. 612
340. Payton & Kelley, Providence, R. I. Plated bracelet, neck and eye-glass chains, etc. 616
341. Pearce, F. T. & Co., Providence, R. I. Novelties in silver, gold, plate, etc. 616
342. Potter, Wm. K., Providence, R. I. Tortoise shell combs, jewelry, etc. 614
343. Providence Stock Co., Providence.
a Gold and silver chains, etc. 612
b Plated chains, necklaces, charms, etc. 616
 For exhibit see page 1031.
344. Read, M. L. & Co., Providence, R. I.
a Scarf pins, studs, etc. 612
b Plated pins, drops, buttons, etc. 616
345. Reynolds Jewelry Company, Providence, R. I. Plated jewelry. 616
346. Seery M'f'g Co., Providence, R. I. Chains and rings. 612
347. Spencer, E. L., Providence, R. I. Gold lace and scarf pins, drops, etc. 612
348. Simmons, R. F. & Co., Attleboro, Mass. Jewelry. 612
 For exhibit see page 637.
349. Webster, W. E., Providence, R. I. Gold rings. 612

GROUP 99.

Horology, Watches, Clocks, Etc.

Exhibits in this group are installed in Sec. O, Block 1, south, with one exception, which is noted opposite the exhibitor's name.

350. American Waltham Watch Company, Waltham, Mass. Watch movements and automatic watch making. 618
351. Ansonia Clock Company, Chicago. Clocks. 621
352. Cyclo Clock Co., New York. Year clocks. 621
353. Geneva Clock Company, Chicago. Clocks. 621
361. Keystone Watch Case Company, Philadelphia. Watch cases. 619
362. Muhr's, H., Sons, Philadelphia. Watch cases. 619
363. Non-Magnetic Watch Company, New York.
a Non-magnetic watches and appliances. Dept. J 617
b Non-magnetic watch balances, hair springs, etc. 618
364. Self-winding Clock Company, New York. Self-winding clocks and method of time distribution by electricity. N-1 621
365. Waterbury Watch Company, Waterbury, Conn. Watches and clock. 617
 For exhibit see page 341.

GROUP 100.

Silk and Silk Fabrics.

Exhibits in this group are installed in Section O, Block 1, north, with one exception, which is noted opposite exhibitor's name.

366. American Silk Label Company, New York. Woven labels. 632
367. Anderson Bros., Paterson, N. J. Dress silks. 629
368. Arrowsmith, Charlotte, Mercer, Pa. Silk weaving. 629
369. Baum, C. F., Chicago. Dress trimmings. 632
370. Belding Bros., & Co., Chicago.
a Sewing and embroidery silks. 626
b Serges, surahs and satins 628
c Dress silks. 629
d Braids. 632
371. Blumenthal, R. & S., New York. Silk ribbons. 631
372. Brainerd & Armstrong Company, New London, Conn. Silks and machine twist. 626
373. Castle Braid Company, New York. Silk and mohair braids. 632
374. Cheney Bros., South Manchester, Conn.
a Spun silk yarns and fabrics. 627
b Plain woven silks. 628
c Figured silk piece goods (Gal G). 629
d Ribbons. 631
375. Cutter, John D., & Co., New York.
a Silk threads. 626
b Silk fabrics. 627

DEPARTMENT H.—MANUFACTURES.

376. Dexter, Lambert & Co., New York.
a Dress silks. 629
b Ribbons. 631
377. Doherty & Wadsworth, New York.
a Silk dress goods. 629
b Silk ribbons. 631
378. Elwood, B. E. & E. E., Fort Plain,
 N. Y. Silk dress goods. 629
379. Empire Silk Company, New York.
 Silk dress goods. 629
380. Erskine, John, & Co., Union Hill,
 N. J. Silk ribbons. 631
381. Griswold Worsted Company, Phila-
 delphia. Spun silk. 625
382. Hamil & Booth, New York.
a Dress silks. 629
b Ribbons. 631
383. Hitchcock - Meding Manufacturing
 Company, New York.
a Satin, damask, brocatels, etc. 628
b Dress silks. 629
c Ribbons and tie silks. 631
384. Jennings Lace Works, New York.
 Laces, gloves, mitts, veils and scarfs. 630
385. Johnson, Cowdin & Co., New York.
 Silk ribbons. 631
386. Kayser, Julius, & Co., New York.
 Silk underwear, gloves, mitts, etc. 630
387. Levy Bros., New York. Silk ribbons.
 631
- 387a. Liberty Silk Co., New York. Fig-
 ured silks. 629
388. McCallum Constable Hosiery Com-
 pany, Holyoke, Mass. Silk hosiery. 630
389. McLaughlin Braid Company, Pater-
 son, N. J. Braids. 632
390. Meisch Manufacturing Company, Pater-
 son, N. J. Silk ribbons. 631
391. Meyenberg Corporation, Hoboken,
 N. J. Silk fur and tie silk. 628
392. Nonotuck Silk Company, Chicago.
a Silks. 626
b Silk underwear, hosiery and mittens.
 630
c Braids and bindings. 632
393. Pelgram & Meyer, New York.
a Dress silks. 629
b Ribbons. 631
394. Phoenix Silk Manufacturing Com-
 pany, Paterson, N. J.
a Dress silks. 629
b Handkerchiefs, etc. 630
c Ribbons, bookmarks, etc. 631
d Silk braids. 632
395. Rhenania Mills, College Point, L. I.
 Ribbons and silks. 631
396. Richardson Silk Company, Chicago.
a Silks. 629
b Hosiery and mittens. 630
c Braids. 632
397. Robertson, William, New York. Silk
 curtains and upholstery silks. 629
398. Ryle, Wm., & Co., New York.
a Raw and spun silk. 625
b Thrown silk. 626
399. Simon, R., & H., Union, N. J.
a Dress silks. 629
b Ribbons. 631
400. Skinner, William Manufacturing
 Company, Holyoke, Mass
a Serges. 628
b Linings. 630
c Braids. 632

401. Stearns, John M., New York. Dress
 silks. 629
402. Strange, William, Company, New
 York.
a Serges. 628
b Dress silks. 629
c Linings. 630
d Ribbons. 631
403. Sutro Bros. Braid Company, New
 York. Trimming braids. 632
404. Trevor, William, New York. Cra-
 vats, handkerchiefs, ties, etc. 630
406. Wahnetah Silk Company, Catasau-
 qua, Pa. Silk pushes. 628
407. Werner, Itschner & Co., Philadelphia.
a Dress goods. 629
b Silk ribbons. 631

GROUP 101.

Fabrics of Jute, Ramie and Other Veg-
 etable and Mineral Fibres.

Exhibits in this group are installed in
 Gallery, Sec. F.

408. Asbestos Specialty Company, Buf-
 falo, N. Y. Asbestos articles. 637
409. Blabon, Geo. W., & Co., Philadel-
 phia. Oil cloth and linoleum. 636
410. Johns, H. W., Manufacturing Com-
 pany, New York. Asbestos materials,
 woven, spun, felted, etc. 637
411. Pantasote Leather Company, New
 York. Substitute for leather. 636
412. Potter, Thos., Sons & Co., Philadel-
 phia. Oil cloth and linoleum. 636
413. Tannette Manufacturing Company,
 Leather imitation for furniture etc. 636

GROUP 102.

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

Exhibits in this group are installed in
 Sec. O, Block 1, center.

414. Aberfoyle Manufacturing Company,
 Chester, Pa. Cotton fabrics. 638
415. Allendale Company, N. Providence,
 R. I. Cotton goods. 638
416. Amory Manufacturing Company,
 Manchester, N. H. Cotton goods. 638
417. Amoskeag Manufacturing Company,
 Manchester, N. H. Cotton goods. 638
418. Appleton Company, Boston. Cotton
 flannels, dress goods, etc. 638
419. Attawaugan Company, Norwich,
 Conn. Cotton goods. 638
420. Bailey, John T. & Co., Philadelphia.
 Cordage, twines, bags, burlaps, etc. 638
421. Barnaby Manufacturing Company,
 Fall River, Mass. Gingham. 638
422. Berlin Print Works, Philadelphia.
 Cotton fabrics. 638
423. Binns' Patent Band Company, Phila-
 delphia, Pa. Trimmings and upholstery
 goods. 638
424. Cabot Manufacturing Company,
 Brunswick, Me. Cotton goods. 638
425. Cochecho Manufacturing Company,
 Dover, N. H. Cotton fabrics. 638
426. Conanicut Mills, Fall River, Mass.
 Cotton goods. 638

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427. Davol Mills, Fall River, Mass. Cotton goods. 638
428. Dwight Mills, Chicopee, Mass. Cotton goods. 638
429. Eddystone Manufacturing Company, Philadelphia. Cotton fabrics. 638
430. Farwell Mills, Lisbon, Me. Cotton goods. 638
431. Fisher Manufacturing Company, Fisherville, Mass. Woven cotton goods. 638
432. Forestdale Manufacturing Company, Forestdale, R. I. Cotton goods. 638
433. Garner & Co., New York. Printed cotton piece goods. 638
434. Glasgo Lace Thread Company, Glasgo, Conn. Thread for fancy work. 638
435. Glasgow Company, So. Hadley Falls, Mass. Cotton goods. 638
436. Globe Yarn Mills, Fall River, Mass. Yarns. 638
For exhibit see page 821.
437. Great Falls Manufacturing Company, Great Falls, N. H. Cotton goods. 638
438. Greene, S. H., & Sons, Providence, R. I. Cotton goods. 638
439. Greenville Manufacturing Company, Smithfield, R. I. Cotton goods. 638
440. Grosvenor Dale Company, Grosvenor Dale, Conn. Cotton goods and jaconets. 638
441. Hadley Company, Boston. Cotton yarns and threads. 638
442. Hamlet Mills, Woonsocket, R. I. Cotton goods. 638
443. Jackson Company, Boston. Cotton sheetings, flannels, etc. 638
444. Kneidler & Co., Philadelphia. Woven cotton goods. 638
445. Knight, B. B., & R., Providence, R. I. Cotton goods. 638
446. Knitted Mattress Company, Canton Junc., Mass. Knitted cotton fabrics. 638
447. Lancaster Mills, Boston. Gingham. 638
448. Lapham, Enos, Centreville, R. I. Cotton goods. 638
449. Lyman Mills, Holyoke, Mass. Cotton goods. 638
450. Manville Company, Providence, R. I. Cotton piece goods. 538
451. Merrimack Manufacturing Company, Boston. Printed cotton goods. 638
452. Methuen Company, Boston. Fancy cotton fabrics. 638
453. Monohansett Manufacturing Company, Putnam, Conn. Cotton goods. 638
454. Morse Mills, Putnam, Conn. Cotton goods. 638
455. Nashua Manufacturing Company, Boston. Cotton flannels, sheetings, etc. 638
456. Naumkeag Steam Cotton Co., Salem, Mass. Sheetings and sateens. 638
457. New York Mills, New York. Cotton goods. 638
458. Nightingale Mills, Putnam, Conn. Cotton goods. 638
459. Ossawan Mills Company, Norwich, Conn. Picture and shade cords. 572
460. Pacific Mills, Lawrence, Mass. Cotton fabrics. 638
461. Palmer, I. E., Middletown, Conn. Cotton fabrics. 638
462. Pemberton Company, Boston. Fancy cotton fabrics. 638
463. Ponemah Mills, Providence, R. I. Cotton goods. 638
464. Powhatan Mills, Putnam, Conn. Cotton goods. 638
465. Sanford Spinning Company, Fall River, Mass. Yarns. 638
For exhibit see page 821.
466. Slater Cotton Company, Pawtucket, R. I. Cotton goods. 638
467. Slater, John W., Providence, R. I. Cotton goods. 638
468. Stark Mills, Manchester, N. H. Cotton goods. 638
469. Star & Crescent Mills Co., Philadelphia. Pile fabrics; cotton and linen toweling. 638
470. Stevens Linen Works, Boston, Mass. Linen crash. 639
471. Thompson, James, & Co., Chicago. Twines, mosquito nets, buckram and screen cloth. 638
472. Thompson, James, & Co., New York. Twines, mosquito nets, buckram, etc. 638
473. Trion Manufacturing Company, Trion Factory, Ga. Cotton goods. 638
474. Valley Falls Company, Valley Falls, R. I. Cotton goods. 638
475. Wamsutta Mills, New Bedford, Mass. Sheetings and fine white goods. 638
476. Whittenton Manufacturing Company, Taunton, Mass. Cotton fabrics. 638
477. Wilkes-Barre Lace Manufacturing Company, New York. Cotton lace curtains. 638
478. Williamsville Manufacturing Company, Killingly, Conn. Cotton goods. 638
479. Woods, Joseph W., & Son, Boston. Cotton goods. 638

GROUP 103.

Woven and Felted Goods of Wool and Mixtures of Wool.

Exhibits in this group are installed in Sec. P, Block 1, except Classes 646, (upholstery goods) and 649 (carpets), which are installed in Gallery, Sec. F, and Class 650 (wool hats), which are installed in Gallery, Sec. G

480. Allen, L. L., & Bros., Rochester, N. Y. Flannels. 641
481. American Loop Fabric Company, Brooklyn, N. Y. Blankets, robes, rugs, etc. 642
482. American Mill Company, Rockville, Conn.
a Woolen goods. 641
b Worsted goods. 643
483. Appleton Woolen Mills, Appleton, Wis.
a Yarns. 640
b Woolen goods. 641
c Felt goods. 648
484. Arlington Mills, Lawrence, Mass.
a Yarns, roving and tops. 640
b Woolen dress goods. 641
c Worsted goods. 643
d Woolen goods on cotton warps. 645

DEPARTMENT H.—MANUFACTURES.

485. Atlantic Mills, Providence, R. I.
a Worsted goods. 643
b Woolen goods woven on cotton warps. 645
486. Ballardvale Mills, Ballardvale, Mass.
a Yarns. 640
b Flannels. 641
487. Baun, C. F., Chicago. Dress trimmings. 647
488. Belvidere Manufacturing Company, Wales, Mass. Woolen goods, flannels and dress goods. 641
490. Berkeley Woolen Company, Wales, Mass. Kerseys and meltons. 641
491. Berkeley Woolen Mills, Wales, Mass. Woolen goods. 641
492. Blackinton, S., Woolen Company, North Adams, Mass.
a Woolen goods. 641
b Worsteds. 645
493. Blackstone Woolen Company, Blackstone, Mass.
a Cassimeres. 641
b Worsteds. 643
494. Bound Brook Woolen Mills, Bound Brook, N. J.
a Cotton and woolen mixed goods. 644
b Woolen goods woven on cotton warps. 645
495. Broad Brook Company, Broad Brook, Conn.
a Woolen goods. 641
b Worsteds. 643
496. Burlington Woolen Company, Winooski, Vt. Woolen goods. 641
497. Calumet Woolen Company, Uxbridge, Mass. Woolen goods. 641
498. Calumet Woolen Mills, Uxbridge, Mass. Cassimeres. 641
499. Carleton, E. G., & Sons, Rochdale, Mass. Flannels and woolen goods. 641
500. Capps, J., & Son, Jacksonville, Ill.
a Woolen goods. 641
b Blankets, etc. 642
c Cotton and woolen mixed goods. 644
d Woolen goods woven on cotton warp. 645
501. Charlottesville Woolen Mills, Charlottesville, Va. Woolen wear. 641
502. Chase, John, & Sons, Webster, Mass.
a Yarn. 640
b Woolen goods. 641
c Worsteds goods. 643
503. City Mills Company, City Mills, Mass. Felt goods. 648
504. Clinton Mills Company, Norwich, Conn.
a Woolen goods. 641
b Woolen goods woven on cotton warps. 645
505. Clinton Worsted Company, Clinton, Mass.
a Men's wear and flannels. 641
b Worsteds goods. 643
506. Cocheco Woolen M'fg Company, East Rochester, N. H. Flannels; woolen dress goods. 641
507. Concord Manufacturing Company, West Concord, N. H. Flannels and woolen goods. 641
508. Conestoga Steam Mills, Lancaster, Pa. Woolen goods woven on cotton warps. 645
509. Cranston Worsted Mills, Bristol, R. I. Yarns. 640
510. Devonshire Mills, Goff's Falls, N. H. Dress goods. 641
511. Dolan, Thomas, & Co., Philadelphia.
a Cassimeres, cloakings, etc. 641
b Worsteds goods. 643
512. Erben, Search & Co., Philadelphia. Yarns. 640
513. Empire Woolen Mills, Clayville, N. Y.
a Woolen goods. 642
b Worsteds. 643
514. Farr Alpaca Company, Holyoke, Mass.
a Worsted stuffs. 640
b Mohair serges. 643
c Italian cloths. 645
d Alpacas. 651
515. Fleisher, S. B. & B. W., Philadelphia.
a Woolen and worsted yarns. 640
b Braids. 647
516. Folwell Bros. & Co., Philadelphia, Pa.
a Woolen goods. 641
b Worsteds goods. 643
c Woolen goods woven on cotton warps. 645
517. French & Ward, New York. Eider-downs, knit goods, etc. 651
518. George's River Mills, Warren, Me.
a Dress goods. 641
b Cheviots. 644
519. Germania Mills, Holyoke, Mass. Woolen goods. 641
520. Glendale Woolen Mills, Glendale, R. I. Woolen goods. 641
521. Globe Woolen Company, Utica, N. Y.
a Woolen. 641
b Worsteds goods. 643
522. Gonic Manufacturing Company, Gonic, N. H. Woolens, flannel dress goods. 641
523. Griswold Worsted Company, Ltd., Darby, Pa. Worsted yarns. 640
524. Haile & Frost Manufacturing Co., Hinsdale, N. H.
a Woolen cloth and dress goods. 641
b Cotton and woolen mixed goods. 644
c Woolen goods woven on cotton warps. 645
525. Harris Woolen Company, Woonsocket, R. I. Woolen goods. 641
526. Hartley, F., Lawrence, Mass. Yarns and carbonized wool. 640
527. Hay & Todd Manufacturing Co., Ypsilanti, Mich. Yarns, tops and noils. 640
528. Hecla Mills, Uxbridge, Mass. Woolen goods. 641
529. Hetzel, Geo. C., & Co., Chester, Pa.
a Woolen goods. 641
b Worsteds goods. 643
530. Hockanum Company, Rockville, Conn.
a Woolen goods. 641
b Worsteds goods. 643
531. Hopkins, T. E., Danielsonville, Conn. Woolen goods. 641
532. Jackson & McEnery Co., Chicago. Dress trimmings. 647

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533. Kiamensi Woolen Company, Stanton, Del. Cassimeres and kerseys. 641
534. Kimball, H. A., Manton, R. I. Cassimeres. 641
535. Lewis Knitting Company, Janesville, Wis. Woolen underwear. 641
536. Lucas, B., & Co., Norwich, Conn.
a Woolen goods. 641
b Woolen goods woven on cotton warps. 645
537. Massachusetts Mohair Plush Company, Boston, Mass. Gal. F 646
538. Merchant's Woolen Company, Dedham, Mass.
a Woolen goods. 641
b Overcoatings, serges, etc. 643
539. Merrimac Woolen Mills, Dracut, Mass.
a Woolen goods. 641
b Blankets. 642
c Cotton and woolen mixed goods. 644
540. Merritt, Geo., & Co., Indianapolis, Ind.
a Woolen goods. 641
b Blankets. 642
541. Milner, F., & Co., Moosup, Conn. Cassimeres. 641
542. Milwaukee Worsted Cloth Company, Milwaukee. Worsted cloths, etc. 643
543. Mississippi Mills, Wesson, Miss.
a Woolen goods. 641
b Cotton and woolen mixed goods. 644
544. Muncy Woolen Mills Company, Muncy, Pa.
a Woolen goods. 641
b Blankets, robes, rugs, shawls, etc. 642
545. New England Company, Rockville, Conn.
a Woolen goods. 641
b Worsted goods. 643
546. Niantic Mills Company, East Lyme, Conn.
a Woolen goods. 641
b Cotton and woolen mixed goods. 644
547. Niantic Woolen Company, Niantic, Conn. Woolen goods. 641
548. North Adams Manufacturing Company, North Adams, Mass. Cassimeres. 641
549. North Star Woolen Mills Company, Minneapolis, Minn.
a Woolen goods. 641
b Blankets, robes, rugs, shawls, etc. 642
550. Norwich Woolen Company, Norwich, Conn.
a Woolen goods. 641
b Cotton and woolen mixed goods. 644
c Woolen goods woven on cotton warps. 645
551. Oakes, Thomas, & Co., Broomfield, N. J. Cassimeres and overcoatings. 641
552. Oregon City Manufacturing Company, Oregon City, Ore.
a Woolen goods. 641
b Blankets, robes, rugs, shawls, etc. 642
553. Orinoko Mills, Philadelphia. Upholstery goods and drapery materials. Gal. F 646
554. Pacific Mills, Lawrence, Mass.
a Wooldress fabrics. 641
b Worsted dress fabrics. 643
555. Peace Dale Mfg. Co., Peace Dale, R. I.
a Woolen goods. 641
b Blankets, robes, rugs, shawls, etc. 642
c Worsted goods. 643
556. Plymouth Woolen Company, Plymouth, Mass. Woolen goods. 641
557. Providence Worsted Mills, Providence, R. I.
a Yarns. 640
b Woolen goods. 641
c Worsted cloth. 643
558. Racine Woolen Mills, Racine Wis. Shawls, etc. 642
559. Raritan Woolen Mills, Raritan, N. J. Woolen goods. 641
560. Ray Woolen Company, Franklin, Mass.
a Woolen goods. 641
b Woolen goods woven on cotton warps. 645
561. Read Carpet Company, Bridgeport, Conn. Carpets and rugs. Gal. F 649
562. Read, William F., Philadelphia.
a Dress goods. 641
b Worsted goods. 643
c Umbrella cloth. 647
563. Riverside Mills, Providence, R. I. Worsted coatings, etc. 643
564. Rock Manufacturing Company, Rockville, Conn.
a Cassimeres. 641
b Worsted goods. 643
565. Sanford Mills, Sanford, Me. Robes, rugs and horse blankets. 642
566. Sawyer Woolen Mills, Dover, N. H.
a Woolen goods. 641
b Worsted goods. 643
567. Saxon Worsted Company, Franklin, Mass. Worsted goods. 643
568. Seabastcook Mills, Hartland, Me.
a Woolen goods. 641
b Blankets, robes, rugs, shawls, etc. 642
c Cotton and woolen mixed goods. 644
569. Shuler & Benninghofen, Hamilton, O.
a Woolen blankets and shirts. 642
b Paper makers' felts and jackets. 648
570. Somerset Manufacturing Company, Raritan, N. J. Woolens. 641
571. Springfield Company, Rockville, Conn.
a Woolen goods. 641
b Worsted goods. 643
572. Springville Company, Rockville, Conn.
a Cassimeres. 641
b Worsted goods. 643
573. Sterling Mills, Lowell, Mass. Woolens and dress goods. 641
574. Stevens, C. A., & Co., Ware, Mass. White flannels. 641
575. Stott, C. H., & F. H., Stottsville, N. Y.
a Woolen goods. 641
b Woolen goods woven on cotton warps. 645

DEPARTMENT H.—MANUFACTURES.

577. Talbot Mills, North Billerica, Mass. Flannels, woolen and dress goods. 641
578. Tinkham, Wm., & Co., Harrisville, R. I. Worsted goods. 643
579. Titus, Elias, & Sons, Poughkeepsie, N. Y.
a Woolen goods. 641
b Cotton and woolen mixed goods. 644
580. Washington Mills Company, Lawrence, Mass.
a Yarns. 640
b Overcoatings, cloakings, woolen goods and dress goods. 641
c Worsted suitings. 643
581. Waterloo Woolen Manufacturing Company, Waterloo, N. Y.
a Woolen goods. 641
b Shawls. 642
582. Waterloo Woolen Mills Company, New York. Woolen shawls and broad-cloth. 641
583. Waumbeck Company, Milton Mills, N. H.
a Woolen goods. 641
b Woolen goods woven on cotton warps. 643
584. Wauskuck Mills, Providence, R. I. Worsted goods. 643
585. Weybosset Mills, Providence, R. I.
a Woolen goods and cassimeres. 641
b Worsted goods and cloth. 643
586. Winthrop Mills Company, Winthrop, Me.
a Blankets, etc. 642
b Cotton and woolen mixed goods. 644
587. Woll, P., & Sons, Philadelphia. Curled hair, feathers, fibre and bristles. 651
588. Wood, Wm., & Co., Philadelphia, Pa.
a Woolen and worsted goods. 641
b Fancy cotton goods. 644
589. Worumbo Manufacturing Company, Lisbon Falls, Me.
a Woolen goods. 641
b Woolen mixed goods. 644
- GROUP 104.**
- Clothing and Costumes.**
- Exhibits in this group are installed in Gallery, Sec. G, except Class 657 exhibits, in which are in Sec. P, Block 1, shown with the woolen goods.
590. Adler, Jacob, & Co., New York. Gloves. P-1 657
591. Allen, John C., Gloversville, N. Y. Gloves and mittens. P-1 657
592. Altman Summer Neckwear Company, New York. Summer neckwear. 658
593. American Hosiery Company, New Britain, Conn. Knit goods, hosiery, etc. P-1 657
594. American Knitting Mills, Philadelphia. Knit goods, hosiery, etc. P-1 657
595. Appel, Dunseath, Co., Denver, Col. Full dress coat and waistcoat; sack suit, waist coat and trousers. M. T. ex. 652
596. Atkinson, Geo. R., Rockford, Ill. Coat, waistcoat, overcoat and trousers. M. T. ex. 652
597. Back, Joseph, Chicago. One full dress suit. M. T. ex. 652
598. Bastable & Manningan, New York. Overcoat and riding breeches and leg-gins. M. T. ex. 652
599. Baum & Ulman, Williamsport, Pa. Suspenders. 658
600. Beatty, C. F., New York. Prints of engravings in steel, brass and zinc for hatters. 654
601. Bell's, Henry H., Sons, Milton, N. Y. Knit goods, hosiery, etc. P-1 657
602. Benn & Becker, Amsterdam, N. Y. Knit goods, hosiery, etc. P-1 657
603. Bowers, James, & Co., Newark, N. J. Lock clasps for corsets. 658
604. Brenk Bros., Milwaukee, Wis. Cut-away frock, and single breasted coat and trousers. M. T. ex. 652
605. Brill Bros., New York. Men's shirts. 658
606. Brooklyn Shield Company, Brooklyn, N. Y. Dress shields. 653
607. Brownell, B. H., St. Louis, Mo. Sack suit and overcoat, frock coat, duck waistcoat and English worsted trousers. M. T. ex. 652
608. Burlington Woolen Company, Winoski, Vt. Men's wear and flannels. 658
609. Canfield Rubber Company, Bridgeport, Conn. Dress shields. 658
610. Chase, Thos. W. & C., Providence, R. I. Overcoat, waistcoat and Prince Albert coat. M. T. ex. 652
611. Chicago Corset Company, Chicago. Corsets and waists. 658
612. Cluett, Coon & Co., Chicago. Collars, cuffs and shirts. 658
613. Collins, Wm. J., Chicago. Coat, waistcoat and trousers. M. T. ex. 652
614. Condé, Swits, Oswego, N. Y. Knit goods. P-1 657
615. Coronet Corset Company, Jackson, Mich. Corsets and waists. 653
616. Cortland Corset Manufacturing Company, Cortland, N. Y. Corsets, waists, clasps and hose supporters. 653
617. Croft, Fred W., Chicago. Trousers, waistcoat, Frederick coat and surtout. M. T. ex. 652
618. Curtis, H. C., & Co., Troy, N. Y. Shirts, collars and cuffs. 658
619. Davis Sewing Machine Company, Dayton, Ohio. Sewing machines. 659
620. Degerberg, P. A. & Co., Philadelphia. Ladies' driving coat and dress uniform of Phila. City Troop. M. T. ex. 652
621. Delsarte Corset Company, New York. Corsets, waists and shoulder braces. 658
622. Dempster & Place, Gloversville, New York. Gloves and mittens. P-1 657
623. Doll, Edwin N., New York. Dress, silk and cassimer waistcoat and morning coat suit. M. T. ex. 652
624. Domestic Sewing Machine Company, Chicago. Sewing machines. 659
625. Dryfoos, L., & Co., New York. Skirts. 658
626. Earl Manufacturing Company, Chicago. Hose supporters. 658
627. Earl & Wilson, New York. Men's collars and cuffs. 658
628. Ederheimer, Stein & Co., Chicago. Clothing. 652

UNITED STATES.

629. Falconer & Boynton Manufacturing Co., Portage, Wis. Underwear. 658
630. Fisk, C. M., Rochester, N. Y. Inverness coat. M. T. ex. 652
trousers. M. T. ex. 652
631. Fisher, Geo., & Sons, Cincinnati. Dress coat, waistcoat and trousers. 652
632. Fleisher, S. B. & B. W., Philadelphia, Pa. Small wares. P-1 657
633. Flint, Olivia C., Coston, Mass. Corsets and waists. 653
634. Foster, Paul & Co., New York. Kid gloves. 657
635. Franklin & Co., New York. One suit. M. T. ex. 652
636. French & Ward, Stoughton, Mass. Knit goods, hosiery, etc. P-1 657
637. Gage, Downs Company, Chicago. Corsets. 653
638. Glasser & Rock, Chicago. Overcoat, coat, waistcoat, dress coat and pair
639. Glastonbury Knitting Company, Glastonburg, Conn. Men's knitted underwear. P-1 657
640. Gleason & Co., Philadelphia. One frock suit. M. T. ex. 652
641. Graichen, Wm. C., Glove Company, Winchester, Va. Gloves and mittens. P-1 657
642. Grus & Luken, Chicago. Coats. M. T. ex. 652
643. Hagist, John, Philadelphia. Cutaway and waistcoat, trousers, lady's dress braided. T. M. ex. 652
644. Haley, C. J. & Co., New York. Hose supporters. 658
645. Haynes, N. B., Company, Chicago. Millinery. 655
646. Hay & Todd Manufacturing Co., Ypsilanti, Mich. Knit goods, hosiery, etc. P-1 657
647. Heinig, Frank, Chicago. Full dress suit and promenade suit and overcoat. M. T. ex. 652
648. Hippach & Benson, Chicago. Cutaway frock coat, vest and trousers. M. T. ex. 652
649. Hodgkins & Hodgkins, Boston. Hunting suit. M. T. ex. 652
650. Hollander, L. P., & Co., Boston.
a Boys' clothing. 652
b Ladies' costumes and garments. 653
c Millinery. 655
651. Houghland, Mrs. E. G., N. Denver, Col. Night robe. 653
652. Household Sewing Machine Company, Providence, R. I. Sewing machines. 659
653. Hoyt, F. A. & Co., Philadelphia. Child suit and overcoat. M. T. ex. 652
654. Hull & Co., Poughkeepsie, N. Y. Trousers. 652
655. Hyde, Chas. E. & Co., Chicago. Full dress and business suit and overcoat. M. T. ex. 652
656. Imandt, N., New York. Dress coat, waistcoat and trousers and hunting coat, waistcoat and breeches. M. T. ex. 652
657. Ivorine Collar & Cuff Co., Chicago. Collars and cuffs. 658
658. Jaeger's Dr. Sanitary Woolen System Company, New York. Knit goods, hosiery, etc. P-1 657
659. James, Mrs. Lucy J., Pomona, Cal. Corsets. 653
660. Keith Bros. & Co., Chicago. Derby hats. 654
661. Kilmore, J. W., Chicago. Suit and overcoat. M. T. ex. 652
662. Knox, E. M., New York. Hats. 654
663. Kuh, Nathan & Fisher Co., Chicago. Ready made clothing. 652
664. Lehman, Chas. F., Brooklyn, N. Y. Cork helmets. 654
665. Lewis Knitting Company, Janesville, Wis. Knit goods, hosiery, etc. P-1 657
666. Lofquist, Oscar, Des Moines, Iowa. Frock coat, waistcoat and trousers. M. T. ex. 652
667. Losse, J. W., St. Louis, Mo. Full dress and business suit. M. T. ex. 652
668. Lundahl & Co., Chicago. Tuxedo coat and overcoat. M. T. ex. 652
669. Mayer, Strouse & Co., New York. Corsets. 653
670. Merwin, B. R., New York. Dress suit, house jacket and sack, over sack, Tuxedo, cutaway and Prince Albert coat. M. T. ex. 652
671. Messenger Bros., & Jones, Boston. Driving coat. M. T. ex. 652
672. Millen, E., & Co., New York. Shirts. 658
673. Mitchell, John J., New York. Fashion plates, photographs and works on cutting. M. T. ex. 652
674. Mitchell, L. A., Chicago. Coat, waist coat and trousers. M. T. ex. 652
675. Muller, A. F., New York. Riding habit. M. T. ex. 652
676. Nagel, Conrad F., New York. Dress suit. M. T. ex. 652
677. National Knitting Company, Milwaukee, Wis. Knit goods, hosiery, etc. P-1 657
678. New Albany Hosiery Mills, New Albany, Ind. Knit goods, hosiery, etc. P-1 657
679. New Home Sewing Machine Company, Orange, Mass. Sewing machines. 659
680. Newman, Mme., Corset Co., Chicago. Corsets. 653
681. Norfolk & New Brunswick Hosiery Co., New Brunswick, N. J. Knit goods, hosiery, etc. P-1 657
682. Northrup Glove Company, Johnstown, N. Y. Gloves. P-1 657
683. Notbohm, R. C., Milwaukee, Wis. Suit and overcoat. M. T. ex. 652
684. Patterson, John, & Co., New York. State, grooms' and waiters' livery suits, and coachman's overcoat and trousers. M. T. ex. 652
685. Purington, H. G., Chicago. Promenade overcoat, fancy waistcoat, trousers and full dress uniform of major. M. T. ex. 652
686. Rogans, L., & Co., Birmingham, Ala. Coat. M. T. ex. 652
687. Rossberg, H., New York. Riding habit and reception dress. M. T. ex. 652
688. Rothschild, E., & Bro., Chicago. Men's clothing. 652
689. Rughheimer, John, Charleston, S. C. Morning coat. M. T. ex. 652

DEPARTMENT H.—MANUFACTURES.

690. Saalman, John B., New York. Overcoat. M. T. ex. 652
691. Schilling Corset Company, Detroit, Mich. Corsets. 653
692. Schuab Bros., Chicago. Overcoat, full dress suit, business suit, cutaway suit. M. T. ex. 652
693. Self Threading Sewing Machine Company, New York. Sewing machines. 659
694. Seybel, F. W., New York. Ladies' hats. 655
695. Sheridan, W. G., Chicago. Coat, waistcoat and trousers. M. T. ex. 652
696. Siegel Bros., New York. Ladies underwear and muslin. 658
697. Siegel, F., & Bros., Chicago. Cloaks. 653
698. Singer Manufacturing Company, New York. Sewing machines. 659
699. Somers, Frank D., Boston. Frock coat, waistcoat, top coat and trousers. M. T. ex. 652
700. Stadler, A., Lincoln, New York. Business suit, evening dress suit, opera coat and Lansdowne coat. M. T. ex. 652
701. Standard Sewing Machine Company, Cleveland, Ohio. Sewing machines. 659
702. Star Knitting Works, Chicago. Ladies' knit underwear. P-1 657
703. Stentin Knitting Mill, Philadelphia. Knit goods, hosiery, etc. P-1 657
704. Stetson, John B., Company, Philadelphia. Hats. 654
705. Stiehl, G. H., & Co., New York. Head wear. 654
706. Strawbridge & Clothier, Philadelphia. Costumes and wraps. 653
707. Tracy, Mrs. Harriet Ruth, New York. Sewing machine inventions. 659
708. Turner, Henry, Chicago. Overcoat, sack and waistcoat and trousers. M. T. ex. 652
709. Twyeffort, New York. Coat, waistcoat and breeches. M. T. ex. 652
710. United Shirt & Collar Co., Chicago. Collars, cuffs and shirts; aprons and underwear. 658
711. Van Orden Corset Co., New York. Corsets. 693
712. Verdenburgh & Brooks, New York. Overcoat, morning frock and waistcoat. M. T. ex. 652
713. Wachsmuth, L. C., & Co., Chicago. Ready made clothing. 265
714. Walshe, R. J., Chicago. Coat, waistcoat, trousers and overcoat. M. T. ex. 652
715. Waukenhose Company, Boston, Mass. Knit goods, hosiery, etc. P-1 657
716. Way Manufacturing Company, Philadelphia. Knit goods and hosiery. P-1 657
717. Weil, Haskell & Co., New York. Shirts and waists. 658
718. Weingarten Bros., New York. Corsets. 658
719. Weiss, Jules C., & Co., New York. Dress coat, waistcoat, trousers and driving overcoat. M. T. ex. 652
720. Werno, Henry, Chicago. Dress coat, waistcoat and trousers. M. T. ex. 652
721. Wessman, J. P., New York. Overcoat, full dress waistcoat, coat and trousers. M. T. ex. 652
722. White Sewing Machine Company, Cleveland, Ohio. Sewing machines. 659
723. Wilde, James Jr., & Co., Chicago. Men's, boys' and children's clothing. 652
724. Winnepisiogee Hosiery Company, Laconia, N. H. Knit goods, hosiery, etc. P-1 657
725. Wire Buckle Suspender Company, Williamsport, Pa. Suspenders, garters, shoulder bracers, etc. 658
726. Wolfsbruck, Miss S., New York. Misses' and children's suits. 653
727. Worcester Corset Company, Worcester, Mass. Corsets. 653
728. Wright, R. C., Denver, Col. Overcoat, business suit, and dress and waistcoat. M. T. ex. 652
729. Yund, Kennedy & Yund, Amsterdam, N. Y. Underwear and hosiery. 657

GROUP 105.

Furs and Fur Clothing.

Exhibits in this group are installed in Sec. G, Block 1, north.

730. Burkhardt, A. E., Company, Cincinnati. Furs. 660
731. Gunther's, C. G., Sons, New York. Furs and skins, stuffed animals. 660
732. Liebes, H., & Co., San Francisco. Manufactured furs. 662
733. Shayne & Co., Chicago. Furs, fur garments and pelts. 660
734. Treadwell, Geo. C., Company, Albany, N. Y. Seal fur garments. 662
735. Wolf & Perolat, Chicago. Furs and garments, mounted animals. 660

GROUP 106.

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

Exhibits in this group are installed in Gallery, Sec. F.

736. Ball, Mrs. J. J. T., Denver, Col. Needle work. 665
737. Ball & Socket Fastner Co., Boston, Mass. Fastners for gloves, coats, bags, etc. 668
738. Ballou, B. A., & Co., Providence, R. I. Safety pins. 668
739. Bodenmann, Johannes, Chicago. Embroideries. 669
740. Besuzzi, Miss, Denver, Col. Embroidered screen. 669
741. Brown, Mrs. J. K., Pueblo, Col. Drawn work handkerchief. 664
742. Brown, Mrs. W. T., Indianapolis, Ind. Embroidered piano cover. 669
743. Cass, Mrs. O. D., Denver, Col. Lunch cloth. 665
744. Clarke, Nellie Goodrich, Economy, Ind. Embroidered center piece. 669
745. Coffin, Minnie A., Indianapolis, Ind. Portiere. 669
746. Colcord, Mrs. A. B., Kokoma, Col. Hand made lace cap. 664
747. Cole, Stella M., Indianapolis, Ind. Embroidered curtain. 669
748. Cutter, Mrs. Edna M., Denver, Col. Lace handkerchief. 664
749. Darrow, Mrs. F. R., Denver, Col. Handkerchief. 664

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750. Deitz, Mrs. Anna L. Denver, Col. Lace. 664
751. Ellis, Mrs. Jessie D., Rensselaer, Ind. Embroidered table cloth. 669
752. Ellis, Mrs. Henry H., Pueblo, Col. Needlework. 665
753. Excelsior Quilting Company, New York. Fancy stitching and quilting. 665
754. Farwell, Miss C. C., Denver, Col. Needlework. 665
755. Fjelde Sisters, Minneapolis, Minn. Embroidered banners. 669
756. Flynn, Miss Mary, Denver, Col. Needlework. 665
757. Gerschel, Victor, & Co., New York. Pearl buttons. 668
758. Gibbs, Mrs. A. R., Denver, Col. Handkerchief. 665
759. Harlow, Mrs. Geo. P., Denver, Col. Embroidery. 665
760. Hartwell, Miss Mary, Denver, Col. Lace cap and handkerchief. 664
761. Hawes, Mrs. Jesse, Greeley, Col. Needle work. 665
762. Heiberger, F. J., Jr., Washington, D. C. Table cloth made by a journeyman, E. Bosco, of 5,830 pieces, M. T. ex. 665
763. Jantzen, Miss Clara, Denver, Col. Embroidered center piece. 665
764. Jautzen, Miss Hermanna, Denver. Hand-made lace handkerchief. 664
765. Jenkins, Mrs. J. F., Los Angeles, Cal. Tapestry pictures. 669
766. Kent, Miss Clara M., Denver, Col. Embroidered doilies. 665
767. Levering, Amelia F., La Fayette, Ind. Embroidered table cloth. 669
768. Lowe, Miss Elizabeth, Denver, Col. Embroidered doilie. 665
769. Lusk, Miss Ida, Vincennes, Ind. Embroidered towel. 669
770. Major, Mrs. Fannie, Shelbyville, Ind. Table cloth. 669
771. McCoy, Mrs. Hattie T., Rensselaer, Ind. Embroidered cushion. 669
772. McNary, Mrs. J. T., Logansport, Ind. Embroidered piano cover. 669
773. Minnis, Sallie, Philadelphia. Embroidered dinner cloth. 665
774. Moore, Mrs. T. H., Denver, Col. Hand-made lace. 664
775. New England Pin Company, Winsted, Conn. Pins. 668
776. New England Whalebone Manufacturing Company, New York. Articles made from whalebones. 668
777. Nicholson, Mrs., Colorado Springs, Col. Embroidered center piece. 665
778. Owens, Mrs. E. T., Pueblo, Col. Lace handkerchief. 664
779. Perrian, Mrs. S. J., Highlands, Col. Lace handkerchiefs. 664
780. Renk, Miss Bertha A., Milwaukee, Wis. Art embroidery. 669
781. Reeves, Mrs. J. Franklin, Richmond, Ind. Embroidered curtains. 669
782. Reynolds, Mrs., South Bend, Ind. Table scarf. 668
783. Richardson & DeLong Bros., Philadelphia. Patent hooks and eyes. 668
784. Ridgway, Mrs. M. M. G., Indianapolis, Ind. Embroidered cushion cover. 669
785. Saint Elizabeth's Guild of Holy Trinity Church, Pueblo, Col. Embroidered altar cloth and communion linen. 665
786. Sallada, Mrs., Denver, Col. Hand-made lace. 664
787. Sea, Clara, Indianapolis, Ind. Embroidered table cloth. 669
788. Shilling, Miss Ida W., Aspen, Col. Embroidered doilies. 665
789. Skewes, Mrs. Rose Meeker, Greeley, Col. Hand-made lace bertha. 664
790. Smith, Mrs. Marie Campbell, Boulder, Col. Infant's dress. 665
791. Solsbury, Cora, Indianapolis, Ind. Embroidered table decorations. 669
792. Solsbury, Pearl, Indianapolis, Ind. Embroidered table decorations. 669
793. Sperry, Mrs. H. L., Indianapolis, Ind. Embroidered table mat. 669
794. Stevens, Miss E. J., Washington, D. C. Tapestries. 670
795. Strode, Miss F., Denver, Col. Decorated scarf. 665
796. Studebaker, Mrs. Clem, South Bend, Ind. Embroidered bed-room furnishings. 669
797. Taylor, Miss Ida, Logansport, Ind. Embroidered table mat. 669
798. Union City Thimble Co., Union City, Conn. Thimbles. 668
799. Vanatta, Mrs. J. K., Colorado City, Col. Lace handkerchief. 664
800. Webster, Miss A. S., Denver, Col. Needle work. 665
801. Wells, Mrs. S. W., Highlands, Col. Lace handkerchiefs. 664
802. White, Mrs. Lillian, Eau Claire, Wis. Art needlework. 669
803. Williamson, Mary A., Indianapolis, Ind. Art embroideries. 669
804. Williamson, Mrs. J. A., Indianapolis, Ind. Cushion. 669
805. Williamson, Mrs. Sallie A., Indianapolis, Ind. Embroidered table cloth. 669
806. Williamson, M. A., Indianapolis, Ind. Embroidered table cloth. 669

GROUP 107.

Hair Work, Coiffures and Accessories of the Toilet.

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

807. Burnham, E., Chicago. Hair goods, jewelry, tools, etc. 673

808. India Rubber Comb Company, New York. Combs and brushes. 675
For exhibit see page 350 and 646

809. Moutoux, Wm. E., New York. Hair devices and jewelry. 672

810. Nicol & Co., Chicago. Hair tools and heaters. 674

811. Palmetto Fibre Company, Chicago. Brushes. 675

GROUP 108.

Traveling Equipments, Valises, Trunks, Toilet cases, Fancy Leather work, Canes, Umbrellas, Parasols, etc.

Exhibits in this group are installed in Gallery, Sec. P.

812. Cheval Standard Co., New York. Horse measuring canes. 681

DEPARTMENT H.—MANUFACTURES.

813. DeMuth, Wm., & Co., New York.
a Smokers' articles. 680
b Walking canes. 681
814. Erickson Geo., & Co., Chicago.
 Hammock nets and fixtures. 676
815. Hacker, J. C., New York. Leather goods and novelties. 680
816. Hirsh & Bro., Philadelphia. Umbrellas and parasols. 682
817. Kaldenberg, F. J. Company, New York.
a Pipes and smokers' articles, India rubber goods, etc. 680
b Canes and umbrella sticks. 681
818. Lightfoot, Annette M., Providence, R. I. Fancy leather frames. 680
819. Mills, Knight & Co., Boston. Fancy leather work. 680
820. Palica, F. J., Racine, Wis. Trunks. 679
821. Raab, J. David, Chicago. Bureau trunks. 679
822. Wilt, Chas. T., Chicago. Travelers' equipments. 679

GROUP 109.

Rubber Goods, Caoutchouc, Gutta Percha Celluloid and Zylonite.

Exhibits in this group are installed in Gallery, Sec. F.

823. American Rubber Co., Boston. Mackintoshes, rubber and oil clothing. 683
824. Bailey, C. J., & Co., Boston. Rubber brushes and novelties. 683
 For exhibit see page 489.
825. Elastic Tip Company, Chicago. Rubber specialties. 686
826. India Rubber Comb Company, New York. Hard and soft rubber goods. 686
 For exhibit see page 350 and 646
827. Kaldenberg, F. J., & Co., New York. India rubber goods, etc. 691
828. Stoughton Rubber Company, Boston. Rubber garments. 683
829. Towers, A. J., Boston. Waterproof clothing. 683

GROUP 110.

Toys and Fancy Articles.

Exhibits in this group are installed in Gallery, Sec. F.

830. Barney & Berry, Springfield, Mass. Ice and roller skates. 695
831. Converse, Morton E., Winchendon, Mass. Toys and novelties. 693
832. Estes, E. B., & Sons, New York. Turned wooden novelties. 694
- 832a. Hansen, E., Philadelphia. Art novelties; inlaid pearl mosaics. 695
833. Ives, Blakeslee & Williams Co., New York. Mechanical toys. 693
834. Jansen, Ed., New York. Fancy goods. 695
835. Joy & Seliger, Newark, N. J. Fancy articles. 695
 For exhibit see page 351.
836. Magie Introduction Company, New York. Notion specialties. 695
837. Parker Bros., Salem, Mass. Parlor games and toys. 693

838. Pattberg, Lewis & Bro., Jersey City, N. J. Fancy goods. 694
839. Pia, Peter F., New York. Pewter toys. 693
840. Rice & Hochster, New York. Tortoise shell articles. 695
841. Rosenblatt & Co., Chicago. Plush and leather boxes, etc. 694
842. Ross, M. B., Cambridgeboro, Pa. Game. 693
843. Tabolewski, Mrs. A. J. Denven., Col. Patent game and badge "1893 or Chicagoed." 693
844. Wahl, Emil, Fancy Bone Manufacturing Company, Philadelphia. Fancy bone goods. 695

GROUP 112.

Scales, Weights and Measures.

Exhibits in this group are installed in Sec. Q, Block 1, north.

845. Buffalo Scale Company, Buffalo, N. Y. Scales. 706
846. Chicago Scale Company, Chicago. Scales and balances. 707
847. Fairbanks, E. & T., Co., St. Johnsbury, Vt. Scales, weights and measures. 706
 For exhibit see page 769.
848. Kirk & Bailey, Cincinnati. Family scales, bicycle grindstones, etc. 706
849. Metric Metal Company, Erie, Pa. Gas meters. 711
850. Mogul Manufacturing Company, New York. Spring scales. 706
851. National Meter Company, Brooklyn, N. Y. Water meters. 711
852. Neptune Meter Co., New York. Water meters. 711
853. Springer Torsion Balance Company, New York. Scales. 706
854. Thomson Meter Company, Brooklyn, N. Y. Water meters. 711

GROUP 113.

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 Sec. Q, Block 3, south.

855. American Projectile Company, Boston. Ammunition for light artillery and machine guns; battle ship. 715
856. Bannerman, Francis, New York. Guns. 714
857. Bridgeport Gun Implement Company, Bridgeport, Conn. Gun implements. 718
858. Brooks, C. C., Arms & Tool Co., Portland, Me.
a Knives, etc. 717
b Shot guns and rifles. 718
859. Burgess Gun Company, Buffalo, N. Y. Fire arms. 714
860. Carpenter Steel Company, Reading, Pa. Steel and material. 716
861. Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Fire arms. 714

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- 862. Ideal Manufacturing Company, New Haven, Conn. Gun implements and ammunition. 718
- 863. Jordan, Louis, Chicago. Shotguns. 718
- 864. Lefever Arms Company, Syracuse, N. Y. Hammerless guns. 718
- 865. Marlin Fire Arms Company, New Haven, Conn. Fire arms. 714
- 866. Parker Bros., Meriden, Conn. Shot-guns. 718
- 867. Remington Arms Company, Ilion, N. Y. Fire arms. 714
- 868. Smith & Wesson, Springfield, Mass. Revolvers. 714
For exhibit see page 347.
- 869. Union Metallic Cartridge Company, Bridgeport, Conn. Metallic ammunition. 714
- 870. Winchester Repeating Arms Company, New Haven, Conn.
a Military small arms and ammunition. 714
b Sporting and hunting fire arms. Reloading tools. 718

GROUP 114.

Lighting Apparatus and Appliances.

Exhibits in this group are installed in Sec. N, Block 3, south.

- 871. American Automatic Lighting Co., Meriden, Conn. Lighting system. 719
- 872. American Lamp and Brass Co., Trenton, N. J. Lamps. 719
- 873. Dietz, R. E., Chicago. Lamps and lanterns. 720
- 874. General Electric Company, New York and Boston. Lamp posts, brackets and electric lamps. Dept. J 722
- 875. Globe Light & Heat Co., Chicago. Street lamps, gas and electric fixtures, reflectors and heating specialties. 720
- 876. Hohenstein, H., New York. Lamp and candle shades, candles, etc. 719
- 877. Rochester Lamp Company, New York. Lamps. 719
- 878. Shultz Gas Fixture & Art Metal Co., Baltimore. Gas and electric fixtures; ornaments. 721
- 879. Steam Gauge & Lantern Co., Syracuse, N. Y. Lamps and lanterns. 720
- 880. Swan & Whitehead, Trenton, N. J. Lamps and fancy articles. 719

GROUP 115.

Heating and Cooking Apparatus and Appliances.

Exhibits in this group are installed in Sec. O, Blocks 3 and 4.

- 881. Abendroth Bros., New York.
a Furnaces. O-3 725
b Hot water heaters. 726
c Stoves and ranges. 727
- 882. America Heating Company, Rockford, Ill. Hot water heaters. O-3 727
- 883. American Radiator Company, Chicago. Steam and water radiators. O-4 726
- 884. Beckwith, P. D., Estate of, Dowagiac, Mich. Stoves. O-3 727
- 885. Bailey Oven Company, Mansfield, Mass. Ovens. Dept. A, E-A-4 727

- 886. Bucks Stove & Range Co., St. Louis. Stoves and ranges. 727
- 888. Chapman, H. M., Chicago. Boiler and heaters. O-3 726
- 889. Chicago Clothes Dryer Works, Chicago. Laundry stoves and clothes dryers. O-3 727
- 890. Chicago Stove Works, Chicago. Ranges and stoves. O-4 727
- 891. Clark, George M., & Co., Chicago. Gas and gasoline stoves. O-3 728
For exhibit see page 422.
- 892. Cleveland Co-operative Stove Company, Cleveland, Ohio. Stoves and ranges. O-4 727
- 893. Collins & Burgie Co., Chicago. Stoves and ranges. O-4 727
- 894. Co-operative Foundry Company, Rochester, N. Y. Stoves and heaters. O-3 727
- 895. Cortland Howe Ventilating Stove Company, Cortland, N. Y. Heating stoves. O-3 727
- 896. Cribben, Sexton & Co., Chicago. Stoves and ranges. O-4 727
- 897. Daemicke, Paul J., Chicago. Refrigerator, counter block, etc., for butchers. 731
- 898. Daggett, W. A., & Co., Vineland, N. J. Roaster and baking pan. O-3 730
- 899. Dangler Stove & Manufacturing Co., Cleveland, Ohio. Vapor stoves and ranges. O-3 726
- 900. Dearborn Duster Company, Chicago. Feather dusters. O-3 730
- 901. Devlin, Thomas, & Co., Philadelphia. Radiators, fittings and castings. O-3 726
- 902. Enterprise Manufacturing Company, Philadelphia. Hardware specialties. O-3 730
- 903. Everhard, Mary M., St. Joseph, Mich. Kneading board. 730
- 904. Excelsior Manufacturing Company, St. Louis. Stoves. O-3 727
- 905. Farquhar Heating Company, Chicago. Furnaces and heaters. O-3 725
- 906. Fuller, Warren Company, Milwaukee, Wis. Furnaces and heating apparatus. O-3 725
- 907. Gorton & Lidgerwood Co., New York. House heating boiler. O-3 726
- 908. Goodell Company, Antrim, N. H. Apple and potato parers, seed sowers, cherry stoners, etc. O-3 730
- 909. Graff & Co., Chicago.
a Furnaces. O-3 725
b Ranges. 727
- 910. Green, Mrs. M. A., Mountclair, Col. Kitchen utensil—cover holder. 730
- 911. Griffing, A. A., Iron Company, Jersey City, N. J. Radiators. O-3 726
- 912. Hambel, Mrs. A. J., Chicago. Cake beater. 730
- 913. Hill, Whitney & Co., Boston. Cookers, broilers and frying pans. O-3 730
- 914. Howard Thermostat Company, Syracuse, N. Y. Heat regulators. O-3 725
- 915. Huetten-Barler Manufacturing Company, Chicago. Oil heaters. O-3 729
- 916. Jackson, Edwin A., & Bros., New York. Grates. O-3 724

DEPARTMENT H.—MANUFACTURES.

917. Johns, B. B., Philadelphia. Stove and metal polish. O-3 727
918. Kahn, F. & L., & Bros., Hamilton, Ohio. Stoves and ranges. O-3 727
919. Kelsey Furnace Company, Syracuse, N. Y. Furnaces. O-3 725
920. Lawton, Mrs. James M., New York. Patent maize grater. 730
921. Lawton, Mrs. Jas. M., New York. Corn scraper. 730
922. Magee Furnace Company, Boston.
a Furnaces. O-3 725
b Stoves and ranges. 727
923. Mason & Davis Company, Chicago. Ranges and laundry stoves. O-3 727
924. Meisselbach & Bro., Newark, N. J. Can openers. O-3 730
925. Michigan Stove Company, Detroit. Mich. Stoves and ranges. O-4 727
926. Milford Manufacturing Company, Milford, Ohio. Carpet sweepers. O-3 730
927. Miller, Wm., Range & Furnace Co., Cincinnati.
a Ranges, stoves and ovens. O-3 727
b Kitchen utensils. 730
928. Milwaukee Gas Stove Company, Milwaukee, Wis. Gas ranges and heaters. O-3 728
887. Milwaukee Tack and Nail Co., Milwaukee, Wis. Army ovens, cookers, etc. O-3 727
929. New Era Gas Fuel Appliance Co., Chicago. Gas ranges, heaters, etc. O-3 728
930. North-Western Stove Repair Company, Chicago. Stove repairs, water-backs, etc. O-3 727
931. Pease, J. F., Furnace Company, Syracuse, N. Y. Hot water, steam and combination heaters. O-4 725
932. Peninsular Stove Company, Detroit, Mich.
a Furnaces. 725
b Stoves, ranges. O-4 727
933. Powers Duplex Regulator Company, Chicago. Temperature regulators. O-3 726
934. Pugh & Grovenor, Casselton, N. D. Stoves and drums. 727
935. Rathbone, Sard & Co., Chicago. Stoves and ranges. O-4 727
936. Reading Stove Works, Reading, Pa. Stoves, heaters, ranges and hot air furnaces. 727
937. Resor, Wm., & Co., Cincinnati, O. Stoves and ranges. O-4 727
938. Richardson & Boynton Co., Chicago.
a Furnaces, ranges and steam heating apparatus. O-4 725
b Heating apparatus. 726
c Ranges. 727
939. Richer, Frank, New York. Coffee and tea pots, urns and mills. O-3 730
940. Ridgway Furnace Company, Boston. Furnaces. O-3 725
941. Romney, Mrs. Caroline Westcott, Chicago. Oven fixtures for conservation of heat and foot warmer. 727
942. Ronalds & Co., New York. Boilers and copper ware. O-3 727
943. Smith & Anthony Stove Co., Boston. O-4
a Heaters. 726
b Ranges and furnaces. 727
944. Spicer Stove Company, Providence, R. I. O-3
a Furnaces. 725
b Stoves and ranges. 727
946. Stone Mfg Co., Columbus, O. Clothes wringers. 730
947. Stroud, Jas., New York. Roasting pans and rollers. O-3 730
945. Thomas, Roberts, Stevenson Company, Philadelphia. Stoves and ranges. O-3 727
948. Tuttle & Bailey Mfg. Co., New York. Registers, ventilators, screens, pedestals, etc. O-3 726
949. Warner, J. W., Oneida, N. Y. Hot water heater and boiler. O-3 726
950. White & Friant, Grand Rapids, Mich. Carpet sweepers. O-3 730
951. Wilcox Water Heater Company, Chicago. O-3
a Hot water heater and radiator. 726
b Dish washer. 730
952. Woods, Sherwood & Co., Lowell, Mass. White wire household goods. O-3 730
953. Woven Down Duster Company, Chicago. Dusters. O-3 730
954. Wrought Iron Range Company, St. Louis. O-3
a Furnaces. 725
b Stoves and ranges. 727
c Kitchen utensils. 730

GROUP 116.

Refrigerators, Hollow Metal Ware, Tin-ware, Enameled Ware.

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

955. Alaska Refrigerator Company, Muskegon, Mich. Refrigerators, beer coolers, etc. P-4 731
956. Belding Manufacturing Company, Chicago. Refrigerators. P-4 731
957. Chapman Manufacturing Company, Meriden, Conn. Hardware specialties. G-4 733
958. Grand Rapids Refrigerator Company, Grand Rapids, Mich. Refrigerators. P-4 731
959. Griswold Manufacturing Company, Erie, Pa. Cast iron hollow ware. G-4 732
960. Henning Wiren, Chicago. Beverage fountain. H-3 731
961. Hurd Refrigerator Company, Duluth, Minn. Refrigerators. P-4 731
962. Iron Clad Manufacturing Company, New York. Enameled ware; milk cans. N-4 734
963. Keen & Hagerty, Baltimore. Tin-ware. G-4 733
964. Kohler, Hayssen & Stehm Mfg. Co. Sheboygan, Wis. Enameled ware. N-4 734
965. Lippincott, Chas. & Co., Philadelphia. Soda water apparatus. H-3 731

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966. Low Art Tile Company, Chelsea, Mass. Soda fountain. H-3 731
967. Matthew, John, Apparatus Company, New York. Soda water apparatus. H-3 731
968. Northern Refrigerator Company, Grand Rapids, Mich. Refrigerators. P-4 731
969. Puffer, A. D., & Sons, Boston. Soda water apparatus. H-3 731
970. Richardson, Chas. H., Gloucester, Mass. Ice crusher. P-4 731
971. Romney, Mrs. Caroline Westcott, Chicago. Refrigerators and cooling room for slaughter houses. 731
972. Smith & Anthony Stove Co., Boston. Kettles. G-4 732
973. Sperry, D. R., & Co. Batavia, Ill. Cooking utensils. G-4 732
974. Thomson, J. S., Erie, Pa. Refrigerators. P-4 731
975. Tufts, Jas. W., Boston. Soda water apparatus. H-3 731
976. Vienna Enamel & Stamping Co., Chicago. Enameled steel ware. N-4 734
977. Vollrath, The Jacob J., Manufacturing Company, Sheboygan, Wis. Iron ware. N-4 734
978. Wagner Manufacturing Company, Sidney, Ohio. Hollow ware. G-4 732
979. Wisconsin Refrigerator Company, Eau Claire, Wis. Hardwood household refrigerators. P-4 731

GROUP 117.

Wire Goods and Screens, Perforated Sheets, Lattice Work, Fencing, Etc.

Exhibits in this group are installed in Sec Q, Blocks 2 and 3.

980. Baackes Wire Nail Company, Cleveland, Ohio. Wire of every description. Q-3 735
981. Burrowes, E. T., & Co., Portland, Me. Wire window screens and doors. Q-3 738
982. Clinton Wire Cloth Company, Clinton, Mass. Wire of all kinds. Q-3 735
983. Gilbert & Bennett Manufacturing Co., Chicago. Wire goods. Q-3 735
984. Roebling's, John A., Sons Company, Chicago. Wire of all descriptions. Q-2 735
- For exhibit see page 358.
985. Translucent Fabric Company, Clinton, Mass. Translucent fabrics for windows, transoms, etc. Q-3 735
986. Trenton Iron Company, Trenton, N. J. Iron and steel wire. Dept. G 742
987. United States Wire Mat Company, Decatur, Ill. Wire mats and matting. Q-3 741
988. Washburn & Moen Manufacturing Co., Worcester, Mass. Wire of all kinds. Q-3 742
- For exhibit see page 357.

GROUP 118.

Wrought Iron and Plain Metal Exhibits.

Exhibits in this group are installed in Sec. G, Block 4, north, and Sec. H, Block 3, south.

989. Barnum, E. T., Detroit, Mich. Wire and ironwork. H-3 743
990. Bayer & Scherbuer, New York. Artistic wrought iron, grille work, etc. H-3 743
991. Burton, A. B., Philadelphia. Iron posts, piles and poles. H-3 745
992. Canton Steel Roofing Company, Canton, Ohio. Sheet metal roofing, siding, etc. H-3 745
993. Central Iron & Steel Works, Brazil, Ind. Wrought iron turnbuckles. H-3 745
994. Champion Iron Company, Kenton, Ohio. Ironwork and ornamental iron. H-3 743
995. Columbus Ornamental Iron Mfg. Co., Ornamental iron forgings. H-3 743
996. Cortright Metal Roofing Company, Philadelphia. Metal tiles and shingles. H-3 745
997. Hainsworth, F. & Son, Chicago. Iron grille work. H-3 743
998. Hogan, John, Fitchburg, Mass. Horseshoes. G-4 746
999. N. W. Horse Nail Manufacturing Company, Chicago. Horseshoes and nails. G-4 746
1000. Omniform M'f'g Co., New Brunswick, N. J. Horse shoes, and methods of shoeing horses. 746
1001. Putnam Nail Company, Boston. Horseshoe nails. G-4 746
1002. Rhode Island Perkins Horseshoe Company, Providence, R. I. Horseshoes and toe calks. G-4 746
- For exhibit see page 765.
1003. Russell, Wm., Cincinnati. Horseshoes. G-4 746
1004. Van Avery, C. M., Jr., Bronson, Mich. Iron and steel forgings. H-3 745
1005. Victor Toe Calk Company, Boston. Toe calks. G-4 746
1006. Winslow Bros. Company, Chicago. Ornamental iron. H-3 743
- For exhibit see page 1000.

GROUP 119.

Vaults, Safes, Hardware, Edge Tools, Cutlery.

Exhibits in this group are in Sec. P, Blocks 3 and 4, except safes, which are in Sec. Q, Block 2.

1007. American Screw Company, Providence, R. I. Screws, bolts, rivets, etc. 747
1008. Ames, Oliver, Sons Corporation, North Easton, Mass. Shovels, spades, etc. 748
1009. Atlas Tack Corporation, Boston. Tacks, brads, nails, glazers' points, etc. 747
1010. Automatic Knife Company, Middletown, Conn. Pocket knife. 751

DEPARTMENT H.—MANUFACTURES.

1011. Bahmann, Mosler & Co., Cincinnati, Ohio. Fire and burglar proof safes, vaults, locks, etc. 752
1012. Baker, L. A., Elgin, Ill. Shingle nailing machine. 748
1013. Blount Manufacturing Company, Boston. Hardware specialties. 747
For exhibit see page 356.
1014. Bohanan, Wilson, Brooklyn, N. Y. Latches, locks, handles, etc. 747
1015. Bommer Bros., Brooklyn, N. Y. Spiral spring hinges. 747
1016. Bardsley, Jos., New York. Wooden door knobs, door springs, checks and checking spring hinges. 747
1017. Buck Bros., Millbury, Mass. Light edge tools. 749
1018. Buck, Chas., Millbury, Mass. Edge tools. 749
1019. Campbell Cutlery Company, Syracuse, N. Y. Cutlery. 751
1020. Carey Safe Company, Buffalo, N. Y. Safes. Q-2 752
1021. Carnes, J. H. & Co., New York. Corkscrews. 10-E-57 757
1022. Chicago Spring Butt Company, Chicago. Builders' hardware. 747
1023. Cincinnati Tool Company, Cincinnati. Mechanics' tools. 748
1024. Clauss, Shear Company, Fremont, Ohio. Shears, scissors and knives. 751
1025. Detroit Cork Screw Company, Detroit, Mich. Corkscrews; knife and corkscrew combined. 751
1026. Deal, Josiah J., Canton, Ohio. Combination locks. 747
1027. Denver Hardware M'fg Co., Denver, Col. Builders' hardware. 747
1028. Detroit Safe Company, Detroit, Mich. Safes, vaults, vault doors and locks. Q-2 752
1029. Eagle Lock Company, Terryville, Conn. Locks, keys and hardware specialties. 747
1030. Geneva Tool Company, Geneva, Ohio. Hand framing tools. 748
1031. Gibson, Wm. D., Company, Chicago. Springs. 747
For exhibit see page 1006.
1032. Hall Safe & Lock Co., Chicago. Vaults, safes locks, etc. Q-2 752
1033. Hatch Cutlery Co., South Milwaukee, Wis. Shears scissors, pocket cutlery and razors. 751
1034. Hayes Gold Medal File Company, Philadelphia. Files. 750
1035. Herring, Hall Marvin Co., New York. Vault doors, safes and boxes. Q-2 752
1036. Hillebrand & Wolf, Philadelphia. Locks and keys. 747
1037. Ide Wrench Company, Troy, N. Y. Chain and pipe wrenches 748
1038. Iowa Farming Tool Company, Ft. Madison, Iowa. Hand farming tools. 748
1039. Ives, Hobart B., & Co., New Haven, Conn. Sash locks and bolts. 747
1040. Jennings, C. E., & Co., New York. Carpenter's tools. 749
1041. Kearney & Foot Co., New York. Files and rasps. 750
1042. Knickebocker Ice Co., Chicago. Ice cutting tools. Dept. G 749
1043. Lynch Manufacturing Company, Madison, Wis. Lock buckles and illustrations. 747
1044. Maydole, David, Hammer Company, Norwich, N. Y. Hammers. 748
1045. McCaffrey File Company, Philadelphia. Files and rasps. 750
1046. Miller Lock Company, Philadelphia. Locks. 747
1047. Mills, A. M., Chicago. Iron safes. Q-2 752
1048. Mosler, Bahmann & Co., Cincinnati, Ohio. Fire and burglar proof safes, vaults, locks, etc. 752
1049. Mosler Safe Co., Hamilton, O. Safes, etc. 752
1050. Munger Cotton Manufacturing Company, Chicago. Hardware specialties. 747
1051. National Safe & Lock Co., Cleveland, Ohio. Safes, vaults and vault fronts. 752
1052. Nicholson File Company, Providence, R. I. Files and rasps. 750
For exhibit see page 355.
1053. Northfield Knife Company, Northfield, Conn. Pocket cutlery. 751
1054. Norton Door Check & Spring Co., Boston, Mass. Door check and spring for doors. 747
For exhibit see page 826.
1055. Osborne, C. S., & Co., Newark, N. J. Saddle and harness tools. 748
1056. Rhode Island Tool Company, Providence, R. I. Machinists' supplies. 747
1057. Rose, Wm., & Bros., Sharon Hill, Pa. Mechanics' tools. 748
1058. Russell & Erwin Manufacturing Co., New Britain, Conn. Hardware; house furnishing goods. 747
1059. Schenck, M. B., & Co., Meriden, Conn. Casters. 747
1060. Snell Manufacturing Company, Fiskdale, Mass. Boring tools. 749
1061. Stanley Rule & Level Co., New Britain, Conn. Carpenters' tools. 749
1062. Sternbergh, J. H., & Son, Reading, Pa. Bolts, nuts, rivets, screws, etc. 747
1063. Torrey, J. R., Razor Co., Worcester, Mass. Razors. 751
For exhibit see page 1034.
1064. Van Wagoner & Williams Co., Cleveland, Ohio. Hinges; spring. 747
1065. White, J. C., Waseca, Minn. Nail counter. 747
1066. Withington & Cooley Manufacturing Co., Jackson, Mich. Hand, farm and garden tools. 749

GROUP 120.

Plumbing and Sanitary Materials.

1067. Alberene Stone Company, New York. Sanitary and plumbing specialties. 755
1068. Dawes & Myler, New Brighton, Pa. Bath tubs, laundry trays, etc. 753
1069. Day Manufacturing Company, Detroit, Mich. Self heating bath tubs and bath tub heaters. 753
1070. Instantaneous Water Heating Company, Chicago. Water heaters used with gas. 753
1071. Kelly, Thos. & Bros., Chicago. Water closets and wash basins. 754
1072. Kilboure & Jacob Manufacturing Co., Columbus, Ohio. Wrought steel sinks. 755

UNITED STATES.

1073. Lang, E. M., & Co., Portland, Me. Stick, drop and wire solder. 756
1074. Lehner, Johnson, Hoyer Manufacturing Company, Chicago. Plumbers' brass goods. 756
1075. McCambridge & Co., Philadelphia. Brass material for plumbing, porcelain basins, tubs, etc. 753
1076. Mosely Folding Bath Tub Company, Chicago. Folding bath tubs and water heaters. 753
1077. Norton Bros., Chicago. Water closets. 754
1078. Oswego Indurated Fibre Company, Oswego, N. Y. Bath tubs, laundry trays, sinks, etc. 753
1079. Peck Bros. & Co., Chicago. Brass work for plumbers, etc. 756
1080. Randolph & Clowes, Waterbury, Conn. Copper range boilers and brass kettles. 756
1081. Smith & Anthony Stove Co., Boston. Water closets, lavatories, bath tubs, sinks, etc. 754
1082. Standard Manufacturing Company, Pittsburg, Pa.
a Bath tubs, hollow ware. 753
b Plumbers' iron ware and sanitary goods. 756
1083. Steel Clad Bath Tub Co., Detroit, Mich. Bath tubs. 753
1084. Stewart Ceramic Company, New York.
a Wash tubs, sinks, etc. 755
b Bath tubs. 753
1085. Strong, Boyce & Co., Indianapolis, Ind. Water closets, washstands, bowls and fixtures. 754
- GROUP 121.**
- Miscellaneous Articles of Manufacture Not Heretofore Classed.**
- Exhibits in this group are installed in Gallery, Sec. F.
1086. Alpena Spool Co., Alpena, Mich. Spool and curtain poles.
1087. Ayers-Jackson H. Co., Chicago. Tailor system dress cutting.
1088. Brown Bros., M'fg Co., Chicago. Vault lights.
1089. Brown, Mrs. Harriet A., Boston, Mass. Scientific rule for dress cutting.
1090. Bugbee, Dana J., Chicago. Buffalo horns manufactured into vases and various ornaments with gold and silver mountings.
- The Leader, Chicago, Ill. Dry goods. For exhibit see page 218.
- Geo. H. Taylor & Co., Chicago, Ill. Paper. For exhibit see page 425.
- Marder, Luse & Co., Chicago, Ill. Type. For exhibit see page 643.
- Clough & McConnell, New York. Cork screws. For exhibit see page 822.
- Hancock Inspirator Co., Boston, Mass. Inspirators. For exhibit see page 816.
- Minot, Hooper & Co., New York. Cotton goods. For exhibit see page 422.
1091. Buddington, Mr. & Mrs. F. E., Chicago. Machine for dress cutting system.
1092. Campbell Cutlery Co., Syracuse, N. Y. Display trays for cutlery, etc.
1093. Cornwell, Elmira, Chicago. Tailor dress cutting system.
1094. Daemicke, Paul J., Chicago. Butchers' supplies.
1095. Diamond Match Company, Chicago. Matches.
1096. Faries, Robert, Decatur, Ill. Display of fixtures for stores.
1097. Hoffman, Geo. Wm., Indianapolis, Ind. Metal polishes.
1098. Howe, Mrs. H. N., Kansas City, Mo. Cyclographic dress-cutting system.
1099. Improved Cloak Rack Co., New York. Revolving cloak stands for exhibiting cloaks.
1100. Jackson Mrs. H. A. Co., Chicago. Instruments for cutting patterns.
1101. Knickerbocker Ice Co., Philadelphia. Ice cutting tools. A-8 511
1102. Leger, Edward, & Son, Chicago. Display stands and fixtures.
1103. Matchless Metal Polish Company, Chicago. Metal polishes, etc.
1104. Meyers Putz Pomade Company, Boston. Liquid metal polish.
1105. O'Neil, Mrs. E. J., Leadville, Col. Patent tidy holder or fastener.
1106. Overbaugh & Hartmann, New York. Confectioners' cartoons. Dept. A.
1107. Palmenberg's Sons, J. R., New York. Window display fixtures and forms.
1108. Palm Letter Company, Cincinnati. Transfer letters and ornaments.
1109. Paul, John C., & Co., Chicago. Metal polish.
1110. Puissegur, Sophie P., New York. Varnishes.
1111. Queen Silver Polish Company, New York. Silver polish.
1112. Rouke, Mrs. M. E., Denver, Col. Original designs in needlework.
1113. Stafford, N., New York. Metal badges, checks, numbers and signs.
1114. Stearns, Mrs. B. A., Woburn, Mass. Dress cutting system.
1115. Washington, Mme., Washington, D. C. Dress cutting patent.
1116. White, Otis C., Worcester, Mass. Ball and cone joints.
- Machinists' Supply Co., Chicago, Ill. Machinists' tools. For exhibit see page 485.
- Queen City Printing Ink Co., Chicago, Ill. Printing inks. For exhibit see page 352.
- Simpson, Hall, Miller & Co. Silver plated ware. For exhibit see page 827.
- Wm. Simpson, Sons & Co., Philadelphia, Pa. Printed cotton goods. For exhibit see page 766.
- Geo. H. Friend Paper Co., Chicago, Ill. Paper. For exhibit see page 217.
- J. J. Ryan, Chicago. Brass-founders. For exhibit see page 474.

Koopman & Co., Boston, Mass. Artistic furniture.

For exhibit see page 1003.

Western Valve Co., Chicago, Ill. Valves.

For exhibit see page 358.

American Strawboard Co., Chicago, Ill. Strawboard.

For exhibit see page 428.

Ypsilanti Dress Stay Co., Ypsilanti, Mich., Dress stays.

For exhibit see page 878.

Andrews, Demorest Seating Co., New York, N. Y. Opera chairs and furniture.

For exhibit see page 821.

American Vault Deposit & Lock Co., Elizabeth, Pa. Vaults and safes.

For exhibit, see page 679.

Haviland & Co., New York, N. Y. China.

For exhibit see page 340.

Norris & Co., Chicago, Ill. Safes.

For exhibit see page 1009.

Charles Ahrenfeldt & Son, New York, N. Y. China.

For exhibit see page 340.

J. H. Bishop & Co., Wyandotte, Mich. Skins, rugs, etc.

For exhibit see page 349.

Economic Smokeless Fire Co., London, Eng.

For exhibit see page 1010.

SHOE AND LEATHER TRADES EXHIBIT. INSTALLED IN SPECIAL BUILDING.

In this special division of exhibits in the Department of Manufactures are included exhibits in group 88, class 552 (colors, blacking, etc.); group 102, class 639 (linen thread, etc.); group 103, class 688 (felt footwear, linings, etc.); group 104, class 656 (boots and shoes); group 109, class 683 (rubber boots, shoes, etc.); and all of group 111 (leather and manufactures of leather), except leather belting; also classes 445 and 446, in group 72, department of machinery, (machines for preparing and working leather and for making boots and shoes.

GROUP 88.

1. **Eclipse Cement & Blacking Co., Philadelphia.** Cements, shoe dressing, harness inks and dressings. F-4 552
2. **Miller, Frank, & Co., New York.** Harness dressings, stains and cements. F-6 552
3. **Sankey, John, Mifflinburg, Pa.** Shoe and harness dressing. F-6 552
4. **Whittemore Bros. & Co., Boston.** Harness dressings; boot and shoe blacking. F-6 552
5. **Wood, George H., Company, Boston.** Cements, inks, wax and dressings. F-6 552

GROUP 102.

6. **Barbour Bros. Company, Paterson, N. J.** Sewing threads, threads for boots, shoes and saddlers use. D-4&5 639
7. **Finlayson, Bonsfield & Co., Grafton, Mass.** Thread for shoes and leather. D-4&5 639

GROUP 103.

8. **Dolge, Alfred, Dolgeville, N. Y.** Felt goods; boots, shoes and slippers made of same. F-5 648
9. **Grand Rapid Felt Boot Company, Grand Rapids, Mich.** Felt and knit boots. E-1 648

GROUP 104.

10. **Aborn, C. H., Lynn, Mass.** Boots. F-4 656
11. **American Porpoise Lace Company, Newark, N. J.** Shoe laces. F-5 656
12. **Amesbury Shoe Company, Amesbury, Mass.** Shoes and slippers. E-1 656
13. **Ash, Wm. T., Lynn, Mass.** Shoes and slippers. F-4 656
14. **Banister, James A., Company, Newark, N. J.** Boots, shoes and slippers. D-2 656
15. **Bartlett, John, & Co., Lynn, Mass.** Boots and shoes. F-4 656
16. **Batcheller, E. & A., Co., Boston.** Boots and shoes. D-2 656
17. **Blake, Herold F., Haverhill, Mass.** Shoe tips. E-5 656
18. **Breed, Francis W., Lynn, Mass.** Boots and shoes. F-4 656

19. **Bridgeport Elastic Web Company, Bridgeport, Conn.** Elastic goring and webbing. F-5 656
For exhibit see page 219.
20. **Burt, Edwin C., & Co., New York.** Boots, shoes and slippers. E-1 656
21. **Charlie & Curtiss, New York.** Shoes, gaiters and boots. E-1 656
22. **Consolidated Adjustable Shoe Company, Lynn, Mass.** Shoes. F-4 656
23. **Copeland & Ryder Co., Jefferson, Wis.** Shoes. E-1 656
24. **Davis, George C., Lynn, Mass.** Boots and shoes. F-4 656
25. **Dean, Chase & Co., Boston.** Shoe goring. F-5 656
26. **Fargo, C. H., & Co., Chicago.** Boots and shoes. D-2 656
27. **Faunce & Spinney, Lynn, Mass.** Boots and shoes. F-4 656
28. **Florsheim & Co., Chicago.** Shoes. D-1 656
29. **Ford, C. P., & Co., Rochester, N. Y.** Welts, turns and shoes. F-2 656
30. **Fox, Charles K., Haverhill, Mass.** Shoes and slippers. E-5 656
31. **Fuller, George, & Co., Lynn, Mass.** Welts, turns, boots and shoes. F-4 656
32. **Gardner, John C., Brooklyn, N. Y.** Shoes and slippers. F-1 656
33. **Goodrich, Hazen B., Haverhill, Mass.** Boots, shoes and slippers. E-5 656
34. **Greenman, Chas. E., Haverhill, Mass.** Soles and leather. E-5 656
35. **Grover's Sons, J. J., Lynn, Mass.** Shoes. F-4 656
36. **Hall, S. W., Chicago.** Over gaiters and leggings. F-5 656
For exhibit see page 351.
37. **Hanan & Son, New York.** Boots and shoes. D-2 656
38. **Harney Bros., Lynn, Mass.** Boots and shoes. F-4 656
39. **Harwood, Charles E., Company, Lynn, Mass.** Sole tops and counters. F-4 656
40. **Henderson, C. M., & Co., Chicago.** Boots and shoes. F-3 656
41. **Herbert & Rapp Co., Boston.** Shoe goring. F-5 656
42. **Herrick, G. W., & Co., Lynn, Mass.** Boots and shoes. F-4 656

UNITED STATES.

- 43. Hilliard, R. E., & Taylor, Lynn, Mass. Cut soles. E-5 656
- 44. Hoag & Heath, Lynn, Mass. Boots and shoes. F-4 656
- 45. Hoople, Wm. Howard, New York. Strip welting. F-5 697
- 46. Hutchinson, F. E., Haverhill, Mass. Shoes and slippers. E-5 656
- 47. Laird, Schober & Mitchell, Philadelphia. Boots and slippers. D-2 656
- 48. Lattemann, J. J., Shoe Manufacturing Company, New York. Boots, ties and slippers. F-2 656
- 49. Leonard, Atkinson Company, Chicago. Shoes. F-2 656
- 50. McNulty, P. F., San Francisco, Cal. Boots, shoes and gaiters. F-1 656
- 51. Morse Bros. & Co., Haverhill, Mass. Shoes and slippers. F-4 656
- 52. Mousek, N. J., Chicago. Hand-made shoes. E-1 656
- 53. Mundell, John, & Co., Philadelphia. Shoes. D-2 656
- 54. Murphy Bros., Lynn, Mass. Boots and shoes. F-4 656
- 55. New York Shoe Manufacturing Company, Lynn, Mass. Shoes. F-4 656
- 56. Oblinger, Benjamin F., Philadelphia. Boots and slippers. E-2 656
- 57. Ordway, Alfred A., Haverhill, Mass. Boots, shoes and slippers. E-5 656
- 58. Phelps, Dodge & Palmer Co., Chicago. Boots and shoes. E-4 656
- 59. Pingree & Smith, Detroit, Mich. Shoes. E-2 656
- 60. Plant, Thomas G., Lynn, Mass. Shoes. F-4 656
- 61. Price & Wolff, Chicago. Slippers and low shoes. D-1 656
- 62. Renton, John B., Lynn, Mass. Heels and lifts. F-4 656
- 63. Rice & Hutchins, Boston. Boots and shoes. E-2 656
- 64. Rumsey Bros., Lynn, Mass. Boots and shoes. F-4 656
- 65. Schillaber & Co., Lynn, Mass. Boots and shoes. F-4 656
- 66. Selz, Schwab & Co., Chicago. Boots and shoes. E-2 656
- 67. Scroggy, J. E. Manufacturing Company, Frankfort, Ind. Overgaiters, boots and shoes. F-5 656
- 68. Smith, A. F., Lynn, Mass. Boots and shoes. F-4 656
- 69. Smith, R. C., & Sons, Co., Chicago. Shoes. D-1 656
- 70. Stevens, Marshall G., Philadelphia. Insoles. F-5 656
- 71. St. John Manufacturing Company, Jersey City, N. J. Shoes and slippers. E-1 656
- 72. Sutherland, D. A., Lynn, Mass. Boots, ties and slippers. F-4 656
- 73. Swain, J. F., & Co., Lynn, Mass. Boots and shoes. F-4 656
- 74. Tilt, J. E. Shoe Company, Chicago. Boots and shoes. F-2 656
- 75. Turner, J. S. Company, Rockland, Mass. Shoes. E-2 656
- 76. Webert, Chas. L., St. Louis, Mo. Boots and shoes. E-1 656
- 77. Welch & Landregan, Lynn, Mass. Boots and shoes. F-4 656

- 78. Wells, M. D., & Co., Chicago. Boots and shoes. D-4 656
- 79. Wiley, Wm. H., Hartford, Conn. Leggings, overgaiters, soles, etc. F-5 656
- 80. Williams, Clark & Co., Lynn, Mass. Boots and shoes. F-4 656
- 81. Wright & Richards, Rockland, Mass. Shoes. E-1 656
- 82. Woodman & Howes, Haverhill, Mass. Shoes and slippers. E-5 656

GROUP 109.

- 83. American Rubber Company, Boston. Mackintoshes, rubber and oil clothing, rubber boots and shoes. C-4&5 683
- 84. Boston Rubber Shoe Company, Boston. Rubber boots and shoes; curios from South America. F-5 683
- 85. Goodyear Metallic Rubber Company, Naugatuck, Conn. Rubber footwear. C-Part of 4-5 683
- 86. Woonsocket Rubber Company, Providence, R. I. Footwear. D-4&5 683

GROUP 111.

- 87. American Oak Leather Company, Cincinnati. Belting, soles, insoles and counters. C-4 697
- 88. Avery Leather Goods Company, Denver, Col. Leather clothing and novelties. E-1 697
- 89. Barnet, J. S., & Bro., New York. Finished leather. C-4 697
- 90. Burk Bros., Philadelphia. Glazed kid, calf and pebble goat; shoes from same. E-1 697
- 91. Callery, Jas., & Co., Pittsburg, Pa. Harness leather. A-3 697
- 92. Costello, P. C., & Co., New York. Sole leather. C-1 697
- 93. Delvin, Thomas, Arcata, Cal. Parts of harness. A-2 697
- 94. Eisendrath, B. D., & Co., Racine, Wis. Shoe leather. C-4 697
- 95. Eisendrath, W. N., & Co., Chicago. Shoe and glove leather. C-4&5 697
- 96. England & Bryan, Philadelphia. Leather. A-1 697
- 97. Fayerweather & Ladew, New York. Belting and sole leather. C-1 697
- 98. Foerderer, Robert H., Philadelphia. Glazed kid and shoes of same. B-2 699
- 99. Freiberg-Wolfstein Oak Tanning Company, Cincinnati. Harness leather. A-1 697
- 100. Grotzinger, A., & Son, Allegheny City, Pa. Sole leather and belting. B-1 697
- 101. Grotzinger, J., & Co., Allegheny City, Pa. Harness leather. B-1 697
- 102. Groezinger's, G., Sons, Lancaster, Pa. Harness leather. A-5 697
- 103. Halsey, Sam, & Son, Newark, N. J. Patent, enameled and fancy leather. A-5 699
- 104. Hauselt, Charles, New York. a Calfskins. A-6 697
b Glazed kid. 699
- 105. Hollinger, Amos, Lancaster, Pa. Harness leather. B-1 697
- 106. Horton, Gildersleeve & Co., Johnson City, Tenn. Sole leather. C-1 697

DEPARTMENT H.—MANUFACTURES.

107. Horton & Gurd, Rees Tannery, W. Va. Butts and sole leather. B-1 697
108. Howard, J. W. & A. P., & Co., Corry, Pa. Sole leather. B-1 697
109. Howell, T. C., & Co., Newark, N. J. Patent and enameled leather. A-4 699
110. Kaufherr & Co., Newark, N. J.
a Alligator leather. 700
b Lizard and snake skin and fancy leather. 702
111. Kistler, Lesh & Co., Boston. Sole leather. C-1 697
112. Lambean Leather Company, Chicago.
a Leather. C-4 697
b Kangaroo calf, etc. 700
113. Leas & McVitty, Philadelphia. Belting butts and soles. B-1 697
114. Levor, Gustav, Gloversville, N. Y. Patent shoe kid. A-4 699
115. Marshall, James D., Chicago. Sole leather and finished hides. C-1 697
116. McConnell, J. J., Philadelphia. Glazed kid. A-4 699
117. Moffat, David, & Co., New York. Harness leathers. B-2 697
118. Mooney, W. W., & Sons, Columbus, Ind. Harness leather. B-5 697
119. Pfister & Vogel Leather Company, Milwaukee, Wis. Leather. C-2 697
120. Patrick & Co., Newark, N. J. Patent and enameled leather. A-6 699
121. Scarinci, Benjamins, Philadelphia. Samples of leather and calfskin. F-1 697
122. Shaw Leather Company, Boston. Upper leather and shoes of same. A-5 697
123. Smith, Hugh, Newark, N. J.
a Patent and enameled leather. A-6 699
b Upholstery leather. 705
124. Smith's, Lyman, Sons Company, Norwood, Mass.
a Sheep and lamb skins. 697
b Sheepskin bindings and linings. 703
125. Swift and Company, Chicago. Hides and skins. A-3 696
126. Trostel, Albert, & Sons, Milwaukee, Wis.
a Tanned leathers. A-5 697
b Kangaroo calf. 700
c Russia leather. 701
127. Walker, Oakley Company, Chicago. Calfskin leather. C-4 697
128. Weed, James B., & Co., Binghamton, N. Y. Finished leather. C-4 697
129. Weil, J., & Bros., Chicago. Sheep skins and side leather. A-4 697
130. Wilder & Co., Chicago.
a Horse hide. A-6 696
b Sole leathers. 697
131. Woodside Patent Calf Manufacturing Company, Newark, N. J. Patent and enameled leather. A-4 699
132. Zahn, William, Leather Company, Newark, N. J. Glazed leather. A-4 699
133. Zohrlant, Herman, Leather Company, Milwaukee, Wis.
a Boot and plow shoe grains. B-5 697
b Kangaroo calf leather. 700
c Oil leather. 702

AUSTRIA.

GROUP 87.

1. Adamek, Anton, Vienna. Soaps and perfumes. 549
2. Chemische Producten Fabrik, Hlrastnigg (Stiria). Red oxide of iron. 545
3. Costella Alois, Goesling, near Graz (Stiria). Restitutive fluid. 549
4. Petrik, Bernhard & Co., Bodenbach (Bohemia). "Antikesselstein" compound. 545
5. Unterweger Brüder, Thal Assling. Conifere oil (with Alpine photographs). 549

GROUP 88.

6. Hardtmuth, L., & Co., Budweis (Bohemia). Artists' materials. 555

GROUP 89.

7. Braeunert, Hermann, Vienna. Ornamental paper. 562
8. Leykam Josefthaler Actiengesellschaft für Papier und Druckindustrie, Gratwein, near Graz (Stiria). Paper and paper pulp. 556
9. Neusiedler Actiengesellschaft fuer Papierfabrication, Vienna. Paper. 556
10. Piette, P., Freiheit (Bohemia). Writing paper. 560
11. Pollak, D. R. & Soehne, Vienna. Paper goods. 557
12. Schloegelmuehl, Actiengesellschaft der k. k. priv. Papierfabrik, Vienna. Paper. 556
13. Schrab, Jak & Co., Vienna. Cigarette paper. 558
14. Schuetz, Christian, Vienna.
 - a Cigarette paper. 558
 - b Colored paper. 562

GROUP 90.

15. Chivalla & Sohn, Vienna.
 - a Portieres. 568
 - b Stove-screens. 572
16. Erste Oesterr, Thueren und Fussbodenfabriks-Gesellschaft, Vienna. Artistic furniture. 572
17. Goldschmidt, Emil, Prague. Wooden shades. 570
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GROUP 91.

18. Beamsville Pressed Brick Co., Beamsville, Ont. Bricks, terra cotta. 574
19. Don Valley Pressed Brick Works, Toronto. Pressed bricks, terra cotta. 574
20. Pigot & Bryan, London, Ont. Decorated china and earthenware. 576
21. Welding, W. E., Brantford, Ont. Stone and Rockingham ware. 575

GROUP 94.

22. Diamond Glass Co., New Glasgow, N. S. Glassware. 592

GROUP 95.

23. McCausland, J., & Son, Toronto. Stained glass. 596
24. Spence, J. C., & Sons, Montreal. Stained glass. 596

GROUP 96.

25. Kurrle, Wm., Montreal. Wood carving. 598
26. Ostler, Kasper, Hamilton, Ont. Carved wood. 598
27. Williams, Edward, Kentville, N. S. Ornamental work. 598

GROUP 97.

28. Acme Silver Co., Toronto.
 - a* Sterling silver. 605
 - b* Electro gold and silver plate. 609

GROUP 100.

29. Belding, Paul, & Co., Montreal.
 - a* Silk thread. 626
 - b* Ribbons. 631
30. Corticelli Silk Co., St. John, N. B. Spool silks. 626

GROUP 102.

31. Canadian Colored Cotton Mills Co., Montreal. Cotton fabrics. 638
32. Consumers' Cordage Co., Montreal. Twine, flour bags. 638
33. Dominion Cotton Mills Co., Montreal. Cotton fabrics. 638
34. Montreal Cotton Co., Montreal. Textile fabrics. 638

GROUP 103.

35. Auburn Woolen Co., Peterboro, Ont. Tweeds, etc. 644
36. Cascade Narrow Fabric Co., Coaticook, Que. Mohair and llama braids. 651
37. Globe Woolen Mills Co., Montreal. Meltons, tweeds, etc. 644
38. Newlands & Co., Galt, Ont. Imitation cloths. 651
39. Oxford Mfg. Co., Oxford, N. S. Tweeds. 644
40. Rosamond Woolen Co., Almonte, Ont.
 - a* Fancy worsteds. 643
 - b* Tweeds. 644
41. Toronto Carpet Co., Toronto. Ingrain carpet. 649
42. Trent Valley Woolen Mfg. Co., Campbellford, Ont. Woolen goods. 641
43. Yarmouth Woolen Mills, Yarmouth, N. S.
 - a* Homespun and costume cloths. 641
 - b* Tweeds. 644

GROUP 104.

44. Coaticook Knitting Co., Coaticook, Que. Underwear. 657
45. Desorineau, Z. Z., & Co., Montreal. Gloves. 657
46. Norfolk Knitting Co., Port Dover, Ont. Underwear. 657
47. Peninsula Knitting Mills, Thorold, Ont. Underwear. 657
48. Penman Mfg. Co., Paris, Ont. Underwear, hosiery, etc. 657
49. Rosebrugh, Richard M., Toronto. Cuff button and holder. 658

DEPARTMENT H.—MANUFACTURES.

50. Slater, Geo. T., & Sons, Montreal. Boots, shoes and slippers. 656
51. Sandford, W. E., & Co., Hamilton, Ont. Ready-made clothing. 652
52. Todhunter, Miss Jessie S., Toronto. Knitted stockings. 657
- GROUP 106.**
53. Bagnell, Mrs. K., Hamilton, Ont. Embroidery. 669
54. Barrett, Mrs. D. A., Ottawa, Ont. Embroidery. 669
55. Bawlf, Mrs. N., Winnipeg, Man. Darning on net. 665
56. Beard, Miss Pauline St. J., St. John, N. B. Needlework. 669
57. Beemer, Miss M., Aylmer, Que. Lace handkerchief. 664
58. Bergerson, Miss, Montreal. Needlework. 669
59. Davies, Miss L. H., Toronto. Embroidery. 669
60. Deadman, Mrs. A. G., Lambeth, Ont. Embroidery. 669
61. Douglas, Miss B., St. Catherines, N. S. Tapestry. 670
62. Duff, Mrs. J. A., Myrtle. Crochet work. 665
63. Edwards, Edgar W., Vancouver, B. C. Tapestry. 670
64. Girrard, Mrs., Lambeth, Ont. Needlework. 669
65. Gouin, Fanny M., Richmond, Que. Embroidery. 669
66. Grant, E. Florence, St. John, N. B. Embroidery. 665
67. Handyside, Mary B., Ottawa, Ont. Embroidered fan. 667
68. James, Miss, Ottawa, Ont. Embroidery. 665
69. Johnstone, Mrs. C., Askin, Ont. Embroidery. 669
70. Kidd, Jessie E., Ottawa, Ont. Embroidery. 665
71. Lear, Mrs. Fred, Toronto. Crochet work. 665
72. Lord, Mrs. T. Ellery, Hull, Que. Embroidery. 665
73. Maritime Women's Christian Temperance Union, Cow Bay, N. S. Fancy articles. 665
74. Martin, Mrs. C. H., Ottawa, Ont. Drawn thread handkerchief. 665
75. McDonald, Mrs. F., Toronto. Needle and crochet work. 665
76. McKenzie, Mrs. Wm., Teeswater, Ont. Crochet work. 665
77. McLean, Sarah M., Ottawa, Ont. Embroidery. 665
78. McMorran, Mrs. R. M., Ottawa, Ont. Embroidery. 665
79. Montreal Society of Decorative Art, Montreal.
a Art embroidery and needlework. 669
b Tapestry. 670
80. Morley, Miss E. W., St. John, N. B. Tapestry. 670
81. Muir, Miss Laura, Grimsby, Ont. Embroidery and needlework. 665
82. Munro, Belle, Ottawa, Ont. Embroidery. 665
83. Nellis, Mrs. H. H., London, Ont.
a Lace. 664
b Crochet work. 665
84. Odell, Lillie E., Ottawa, Ont. Portiere and sofa cushion. 665
85. Ontario Depository of Ladies' Work, Toronto.
a Crochet work. 665
b Embroidery. 669
86. O'Rielly, Mrs. E., Aylmer, P. Q. Embroidery. 665
87. Perley, Henry M., Ottawa, Ont. Embroidery. 665
88. Perley, Mrs. H., Ottawa, Ont. Embroidery. 665
89. Peters, Miss H., St. John, N. B. Pulpit drape. 670
90. Powell, Miss Polly, Halifax, N. S. Embroidery. 669
91. Quayle, Thos., Montreal. Tapestry. 670
92. Scott, Mrs. John, Hull, Que. Point lace. 664
93. Seagram, Miss, Toronto. Crochet work. 665
94. Skinner, Miss Constance, Prescott, Ont. Crochet work. 665
95. Smith, Mrs. Sydney, Ottawa, Ont. Tapestry fan. 667
96. Thistle, F. Mary, Ottawa, Ont. Tapestry fan. 667
97. Walker, Miss, Ilderton, Ont. Crochet trimming. 665
98. Wills, Miss Tilly, Ottawa, Ont. Embroidery. 665
- GROUP 108.**
99. Borbridge, S. & H., Ottawa, Ont.
a Bags and satchels. 678
b Trunks. 679
100. Coles National Mfg. Co., Ottawa, Ont. Camping outfit. 676
101. Turner, J. J. & Son, Peterboro, Ont. Tents, awnings and hammocks. 676
- GROUP 109.**
102. Atkinson Bros., Toronto. Celluloid novelties. 686
- GROUP 110.**
103. Atchinson Bros., Toronto. Fancy articles. 695
- GROUP 111.**
104. Beardmore & Co., Toronto. Sole and harness leather. 697
105. Williams, Edward, Kentville, N. S. Checker boards. 693
106. Whelpy, J. A. & Co., Greenwich, N. B. Toys. 693
107. Breithaupt Leather Co., Berlin, Ont. Sole and harness leather. 697
108. Gourdeaux, Felix, Quebec. Leather. 697
- GROUP 112.**
109. Gurney Scale Co., Hamilton, Ont. Scales. 706
110. Wilson, C., & Son, Toronto. Scales. 706
- GROUP 114.**
111. Atchinson Bros., Toronto. Lamp shades. 719
- GROUP 115.**
112. Boyd, R. A., Belleville, Ont. Smoothing iron and friller. 730
113. Gurney, E. & C., Co., Toronto.
a Hot water heaters. 726
b Ranges and stoves. 727

CANADA—CEYLON.

114. Heat Deflector Co., Montreal. Heat deflectors. 726
 115. Hubbard Portable Oven Mfg. Co. Toronto. Portable ovens. 727
 116. Jones, C. C., Elmsdale, P. E. I. Stovepipe heat check. 727
 117. McClary Mfg. Co., London, Ont.
a Stoves and ware. 727
b Kitchen furnishing. 730
 118. Nicholson, M., Goderich, Ont. Hot water heater. 726
 119. Strachan, D. K., Goderich, Ont. Hot water heater. 726
 120. Trouillard, A., Montreal. Hot water heaters. 726
 121. Walker Mining Co., Ottawa, Ont. Stove polish. 727

GROUP 116.

122. Harris, H., & Co., St. John, N. B. Nail plate. 733
 123. Wilson, C., & Son, Toronto. Refrigerators. 731

GROUP 117.

124. Brockville Wringer Co., Brockville, Ont. Screens. 738
 125. Greening Wire Works, Hamilton, Ont. Wire goods. 735

GROUP 118.

126. Groves, Samuel, Hamilton, Ont. Horse shoes. 746
 127. Troy, Wm., Intervales, N. S. Horse shoes. 746

GROUP 119.

128. Canada Axe and Harvest Tool Co., Montreal. Axes. 748
 129. Canadian Screw Co., Hamilton, Ont. Screws, bolts and rivets. 747
 130. Gurney Scale Co., Hamilton, Ont. Locks. 747
 131. Halifax Shovel Co., Halifax, N. S. Spades, shovels, etc. 749
 132. Shurley & Dietrich, Galt, Ont. Saws. 750
 133. Weese, D. A., Belleville, Ont. Brace. 749

GROUP 120.

134. Malcolm, W. B., Toronto, Ont. Sanitary earthenware. 755
 135. Perkins, S. C., Ottawa, Ont.
a Bath 753
b Sink traps. 754

GROUP 121.

136. Robitaille, S., & Co., Montreal. Indian goods.

CEYLON.

GROUP 87.

- I. Ceylon Commission.
a Kokun potu, pomatuni and medicinal drugs. 547
b Vanilla. 549

GROUP 88.

2. Ceylon Commission.
a Anatto; native ink. 552
b White, terra cotta and laterite washes, antimony and dorenetel. 554

GROUP 89.

3. Ceylon Commission.
a Bundle of olas. 556
b Brass style. 564

GROUP 90.

4. Colombo Museum. Book rest. 572
 5. Panabokke, T. B., Kandyan shades. 568
 6. Soysa de Lady.
a Couches, sofas, chairs. 565
b Tables and stand. 566
c Mounted elephants' tusks, book and show cases. 572

GROUP 91.

7. Ceylon Commission. Painted pottery. 575

GROUP 92.

8. Ceylon Commission. Biers, coffin cloth; model of pile for cremating. 584

GROUP 93.

9. Ceylon Commission. Chatty, chembu, pot and spittoon. 585
 10. Colombo Museum, Ceylon. Carved brassware. 585
 11. Government of Ceylon. Bronze from Annrad hapura. 585

GROUP 96.

12. Ceylon Commission.
a Boxes, card case, paper cutters, work basket, writing case, mats, carved elephants, etc. 598
b Ivory boxes and carved ivory articles. 599
 13. Colombo Museum. Boxes; ebony elephant. 598
 14. Perera, M. J. Kalutara baskets. 598

GROUP 97.

15. Ceylon Commission. Wata and mula heppuwa; betel and silver boxes. 607
 16. Colombo Museum.
a Teapoy and spoon rack. 605
b Silver boxes. 607

GROUP 98.

17. Ceylon Commission. Head-dresses, necklaces, combs, bangles, chains, anchors, chatelaines, rings and set of jewelry. 612
 18. Colombo Museum.
a Hairpins, brooch, comb, chain. 612
b Bangles, mounted with diamonds. 613

DEPARTMENT H.—MANUFACTURES.

19. Perera, M. J.
a Bangles, comb. 612
b Silver gilt necklace. 616
20. Thomas, A. Bangles. 612

GROUP 102.

21. Colombo Museum. Tundu cloth, kaiyeli, kunkuma soman, Kandyan cloth. 638

GROUP 104.

22. Carolis, W. D., & Co., Shoes. 656
23. Ceylon Commission.
a Skirts, scarf and comboy. 653
b Talipot hat. 654
c Head-dresses. 655
d Belt. 658
24. Colombo Museum.
a Jackets and gown. 653
b Fisher's hat and cap. 654
c Head-dress. 655

GROUP 106.

25. Ceylon Commission. Artificial flowers. 666
26. Colombo Museum. Cloth with gold lace work. 664
27. Government of Ceylon. Kandyan betel bag. 665
28. Perera, M. J. Teapoy cloths. 669

GROUP 110.

29. Ceylon Commission. Wooden tray, cups and saucers. 695
30. Colombo Museum, Ceylon. Marionette show. 693
31. Government of Ceylon. Shell bracket. 695

GROUP 111.

32. Carolis, W. D., & Co. Hides and skins. 696
33. Ceylon Commission. Skins. 696

GROUP 112.

34. Ceylon Commission.
a Measure for rice. 706
b Measure for oil. 713

GROUP 113.

35. Ceylon Commission. Kandyan knives; swords; iron spearhead. 717
36. Ievers, R. W.
a Gun. 714
b Swords. 717
37. Gunaratna, E. R. Sword. 717

GROUP 119.

38. Colombo Museum. Arecanut cutter. 751
39. Panabokke, T. B. Arecanut cutters. 751

DENMARK.

GROUP 88.

1. Prior, Adolf, Copenhagen. Shoe and leather blacking. Dept. A 552
2. Rasmussen, C. M., & Spies, Copenhagen.
a Blacking for saddlery. Dept. A 552
b Spirit varnish. 554

GROUP 89.

3. Levison, L., Jr., Copenhagen.
a Christmas and New Year's cards. 557
b Writing paper. 560
c Decorated paper. 562
4. Nielsen, I., Copenhagen. Fire-proof paper. Dept. A 557

GROUP 90.

5. Andersen, Kr., & Co., Copenhagen. Joiners' work for building purposes. 571
6. Hansen, C. B., Copenhagen. Furniture. 567
7. Henning, Hansen, Odense, Funen. Oak cabinet. 567
8. Kjar, Miss Ingrid, Copenhagen. Pokerwork table. 572
9. Lassoë, Miss Augusta, Copenhagen. Pictures burned in wood. 572
10. Larsen & Andersen, Copenhagen. Carved furniture. 567
11. Meyer, E., Copenhagen. Lacquer work. 572

12. Plum, Chr. & Zald., Copenhagen. Dining room furniture. 567
13. Prior, Miss Maud, Copenhagen. Pokerwork chair. 572
14. Topp, I. Wilk, Copenhagen. Book case. 567
15. Topp, N. Chr., Copenhagen. Book case. 567

GROUP 91.

16. Budde-Lund, C., Copenhagen. Terre cotta work. Dept. H 574
17. Elkjær, P. M., Copenhagen. Imitated stone mosaic. 589
18. Godthaab Terra Cotta Manufactory, Copenhagen. Terra cotta and glazed ware. 574
19. Hausen, Miss E., Copenhagen. Ceramic work. 576
20. Ipsens, P., & Enke, Copenhagen. Terra cotta work 574
21. Jorgensen, L. P., Copenhagen. Terra cotta. 574
22. Jorgensen, Miss L., Ronnede, Sealand. Painted tableware. 576
23. Kahler, Herman A., Nestved, Sealand. Ceramic work. 576
24. Nielsen, E., Copenhagen. Bisque and granite ware. 576
25. Royal Porcelain Manufacturing Company, Copenhagen. Porcelain 577
26. Skovgaard, Miss S. C., Copenhagen. Ceramic work. 576

DENMARK.

GROUP 92.

27. Fiskbalk, P. M., Aarhus, Jutland.
Memorial plates for a grave. 581

GROUP 93.

28. Birk, Miss Dagmar, Copenhagen.
Engraved copper; brass work. 585
29. Christensen, Z., Copenhagen. En-
graved articles. 585
30. Dalhoff, H., & Son, Copenhagen. Art
metal work. 585
31. Doberck, Fr., & Son, Copenhagen.
Art metal work. 585
32. Jensen, Rasmus, Horsens, Jutland.
Enamel work. 586
33. Rasmussen, Lauritz, Copenhagen.
Bronzes. 585

GROUP 94.

34. Bendz, Miss M., Copenhagen. Painted
glass plates. 593
35. Jacobsen, E. P., Copenhagen. Glass
ceilings. 589

GROUP 95.

36. Duvier, Aug., Copenhagen. Stained
glass windows. 596
37. Gotke, E. J., Copenhagen. Stained
glass and glass paintings. 596

GROUP 96.

38. Berthelsen, Miss Inger M., Copen-
hagen. Wood carvings. 598
39. Crone, Miss Ellen, Copenhagen.
Carved wood. 598
40. Dallerup, Baroness U., Copenhagen.
Wood carvings. 598
41. Ernst, Soren, Copenhagen. Carved
screen with painting. 598
42. Ingemann-Olsen, A., Copenhagen.
Wood carving. 598
43. Müller, G. Y. J., Copenhagen. Wood
carving. 598
44. Thomsen, Miss Elizabeth, Copenha-
gen. Wood carvings. 598
45. Withusen, Miss Austa, Copenhagen.
Wood carvings. 598
46. Wood Workers' Guild of Randers.
Rander, Jutland. Fancy articles. 598

GROUP 97.

47. Bloch, Fr., Copenhagen. Electro
plated art metal work. Dept. H 611
48. Christensen, Z., Copenhagen. Silver-
ware. 604
49. Hertz, Peter, Copenhagen. Gold and
silverware. 604
50. Jensen, Rasmus, Horsens, Jutland.
Gold ornaments. 604
51. Michelsen, A., Copenhagen. Gold and
silverware. 604
52. Nordemann, M., Copenhagen. Silver-
ware. 604

GROUP 98.

53. Christensen, Z., Copenhagen. Jew-
elry. 612
54. Hertz, B., Copenhagen. Gold orna-
ments. 612
55. Hertz, Peter, Copenhagen. Jewelry.
612
56. Michelson, A., Copenhagen. Jewelry.
612

GROUP 99.

57. Larsen, Bertram, Copenhagen. Tower
clock. 621

GROUP 101.

58. Brynjulfson, Miss N., Copenhagen.
Painted mat. 636

GROUP 104.

59. Henriksen, H. P., Copenhagen. Glove
sewing machine. 659
60. Larsen, H. K., Esbjerg, Jutland.
Wooden shoes. Dept. A 656
61. Petersen, P. T., Randers, Jutland
Wooden shoes. Dept. A 656
62. Trautner, M., & Son, Sorø, Sealand.
Wooden shoes. Dept. A 656
63. Waldemar, Hansen, Copenhagen.
Gloves. 657

GROUP 105.

64. Broe, Mrs. W., Copenhagen. Feather
quilt. 660
65. Nathan, Marcus M., Copenhagen.
Eiderdown. 660
66. Trolle, C. A., Copenhagen.
a Furs and skins. 660
b Fur clothing. 662

GROUP 106.

67. Bojesen, Miss Jutta, Copenhagen.
Laces. 664
68. Brandt, Mrs. Marie, Copenhagen.
Art embroidery. 669
69. Broberg, Miss Bodil, Copenhagen.
Lace insertions. 664
70. Czarnewski, Miss M. Sasse, Copen-
hagen. Art embroidery. 669
71. Dallerup, Baroness U., Copenhagen.
Woven articles, etc. 670
72. Dyrrhauge, Mrs. Th., Copenhagen.
Curtain trimmings. 668
73. Fenger, Miss A. M. F., Copenhagen.
Art embroidery. 669
74. Fischer, Miss Emma, Copenhagen.
Woven articles. 670
75. Harder, Miss Edle, Copenhagen. Art
embroidery. 669
76. Hausen, Mrs. Ida, Copenhagen. Art
embroidery. 669
77. Jansen, Miss Marie, Copenhagen.
Artificial flowers. 666
78. Jensen, Mrs. J., Copenhagen. Lace
bed-cover. 664
79. Koefoed, Mrs. Regina, Copenhagen.
a Embroidery. 669
b Tapestries. 670
80. Larsen, Miss Agnes, Copenhagen.
Art embroidery. 669
81. Larsen, Miss Fanny, Copenhagen.
Laces. 664
82. Linde, Miss Elizabeth, Faxø, Sealand.
Art embroidery. 669
83. Petersen, Mrs. Julie, Copenhagen.
Art embroidery. 669
84. Ring, Miss Nanna, Copenhagen. Art
embroidery. 669
85. Silberloh, Mrs. L., Nestved, Sealand.
Art embroidery. 669
86. Stahlberg, Miss J., Copenhagen. Art
embroidery. 669

DEPARTMENT H.—MANUFACTURES.

87. Stephansen, Miss M., Vejle, Jutland.
a Lace handkerchief. 664
b Art embroidery. 639
88. Thomsen, Miss Elizabeth, Copenhagen. Art embroidery. 669
89. Thompson, Mrs. Elizabeth, Copenhagen. Woven articles. 670
90. Thun, Miss Anna V., Copenhagen. Silk lace. 664
91. Vallentin, Mrs. Augusta, Copenhagen. Art embroidery. 669
92. Warnich, Leifer, Horsens, Jutland. Gobelin paintings. 670
93. Wesenberg, Mrs. Olivia, Copenhagen.
a Lace for table decoration. 664
b Embroidery. 669
- GROUP 108.**
94. Hoffgaard, A. E., Aarhus, Jutland. Hammocks. Dept. H 676
- GROUP 110.**
95. Dallerup, Baroness U., Copenhagen. Fancy articles. 695
- GROUP 111.**
96. Evald, I., Svendborg, Funen. Leather belting. Dept. A 704
97. Holtz, I. A., Holbak, Sealand. Leather belting. Dept. A 704
98. Jacobsen, Miss Julie, Copenhagen. Leather fancy articles. 705
99. Lassen, A. F., Holbak, Sealand. Leather belting. Dept. A 704
100. Nielsen & Hausen, Copenhagen. Figured leather, gobelins, etc. 705
101. Schroder, Bernh, Copenhagen. Figured leather, gobelins, etc. 705
- GROUP 112.**
102. Andersen & Jensen, Copenhagen. Weights. Dept. A 712
103. Jorgensen, Edmund, Copenhagen. Weights. Dept. A 712
- GROUP 113.**
104. Fermansen, Chr., Copenhagen. Magazine rifle. 714
- GROUP 116.**
105. Pedersen, N., Brondesled, Sealand. Brass and tin work. 733
- GROUP 117.**
106. Meyer, E., Copenhagen. Fire screens. 738
107. Warnich, Leifer, Horsens, Jutland. Fire screens. 738
- GROUP 121.**
108. Warnich, Leifer, Horsens, Jutland. Altar and appurtenances.

EAST INDIA.

Collective exhibit of H. H. the Maharajah of Mysore's Government through S. J. Tellery & Co. Installed in the East Indian pavilion.

DEPT. A—AGRICULTURE.**GROUP 1.**

1. Wheat. 1
 2. Rice. 6
 3. Ragi (a flour). 11

GROUP 9.

4. Cotton. 53
 5. Wool. 60

GROUP 14.

6. Model of a Bengal agricultural farm.
 7. Model of an indigo farm and factory.
 8. Model of an oil farm and factory.
 9. Model of a shellac farm and factory. 78

GROUP 17.

10. Ivory horns and tusks. 90

GROUP 18.

11. Sandal, cocoanut and cinnamon oil. 95

DEPT. N—FORESTRY.**GROUP 19.**

12. Sandal-wood trees, logs, billets; teak, hanne and kari matti planks. 99
 13. Satin-wood logs. 101
 14. Tangadi bark, sak tree. 103
 15. Sandal-wood roots, powder, chips. 108

GROUP 44.

16. Miscellaneous articles made of marble and alabaster. 296

GROUP 49.

17. Iron and steel. 334

DEPT. H—MANUFACTURES.**GROUP 89.**

18. Papier-mache articles. 557

GROUP 90.

19. Rose, sandal and teak-wood chairs. 565
 20. Tables of rose, teak, ebony, sandal and shishim woods. 566
 21. Furniture made of fancy woods, carved and inlaid. 567
 22. Curtains, portieres, etc. 568
 23. Mirrors. 569

GROUP 91.

24. Painted and glazed pottery. 575
 25. Marble and alabaster models of the Taj, the Kutab Minar, the Bedrl Masque (full size), a Hindu temple. Burmese pagodas and Temple of Kali. 581

GROUP 93.

26. Repousse and chiseled art metal work. 585

EAST INDIA.

GROUP 96.		GROUP 108.	
27. Wood carvings.	598	53. Bags.	680
28. Ivory carvings.	599	54. Ivory, ebony and sandal-wood canes.	681
GROUP 97.		55. Oil cloth and hand painted umbrellas.	682
29. Silver tableware.	605	GROUP 110.	
30. Silver spoons, etc.	606	GROUP 113.	
31. Miscellaneous fancy articles in silver.	607	57. Swords, daggers, knives, etc.	717
GROUP 100.		58. Guns, spears, bows, etc.	718
32. Enameled brass, copper, gold and silverware.	608	DEPT. K—FINE ARTS.	
33. Raw silks.	625	GROUP 142.	
34. Plain silks.	628	59. Paintings on ivory of kings, queens, rajahs, etc.	
35. Upholstery silks.	629	GROUP 143.	
36. Silk handkerchiefs and dress pieces.	306	60. Prints of gods and natives.	
GROUP 101.		GROUP 144.	
37. Grass mats.	635	61. Modern wooden and antique ivory carvings.	
38. Fine wire cloths mixed with silk.	637	DEPT. L—LIBERAL ARTS.	
GROUP 102.		GROUP 147.	
39. Cotton, muslin and silver tinsel prints.	638	62. Model of an Indian village.	827
GROUP 103.		GROUP 151.	
40. Woolen fabrics, embroidered and plain.	641	63. Photos of scenery.	871
41. Cashmere shawls, etc.	642	GROUP 158.	
42. Felt rugs.	648	64. Native musical instruments, part gilt, inlaid with semi-precious stones.	926
43. Carpets, rugs, etc.	649	65. Drums, tambouras, etc.	927
GROUP 104.		66. Harps, guitars, zithers, etc.	928
44. Wool, silk and velvet ready-made clothing.	652	DEPT. M—ETHNOLOGY.	
45. Ladies' dresses, jackets and native costumes.	653	GROUP 164.	
46. Caps and turbans.	654	67. Complete sets of Hindu and Burmese gods, models of Mohammedan marriage ceremony and funeral, wife sacrificing herself on the funeral pile of her deceased husband. Other ceremonies and objects of veneration, etc.	
47. Shoes.	656		
GROUP 106.			
48. Wool and silk laces.	664		
49. Fans of sandal-wood, ivory, etc.	667		
50. Embroidered trimmings.	668		
51. Silk, silver and gold thread and tinsel, art embroideries and needle work.	669		
GROUP 107.			
52. Ivory combs.	675		

GERMANY.

GROUP 87.		6. Chemische Fabrik Griesheim, Frankfurt-on-the-Main.	
1. Aktiengesellschaft fuer Chemische Industrie, Mannheim. Chemical technical apparatus.	548	<i>a</i> Mineral acids.	543
2. Aktiengesellschaft fuer Chemische Industrie, Schalke i-W. Chemical products.	548	<i>b</i> Alcaloids.	544
3. Bernhardt, Y., Leipsic. Pharmaceutical preparations.	547	7. Chemische Fabrik Kalk, vorm, Forster Grueneberg, Cologne. Ammoniac salts, potassium, etc.	544
4. Brueder Richter, Leipsic, Gohlio. Volatile oils and essences.	549	8. Chemische Fabrik vorm, E. Schering, Berlin. Chemical preparations for pharmacopœia.	547
5. Chinin Fabrik Braunschweig, Brunswick. Quinine, cocaine, etc.	545	9. Chemische Fabrik, vorm, Hofmann & Schoetensack, Ludwigshafen-on-Rhine Chemical and pharmaceutical products.	547

DEPARTMENT H.—MANUFACTURES.

10. Fahlberg, List & Co., Salbke, West-
erhusen, near Magdeburg. Saccharin
and sacharin preparations. 547
11. Farben, Fabriken, vorm, Friede,
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818. Gripmann, Karl, Mannheim. Carved money chest. 695
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858. Bruening, H. W., Neumuenster-Holstein. Horse leather. 700
859. Caprano, Heinrich, Charlottenberg. *a* Sheep skins. 697
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872. Simon, Wilh., Kirn-on-the-Nahe. Leather. 697
873. Voelker, Julius, Eisenberg-Saxony, Alkenburg. Horse leather. 697

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875. Weithase, R., & Co., Poessneck.
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877. Wuelknitz, Louis, Kirchheim. Nieder-Lausitz. Sheep skin. 696
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892. Distrikt, Schnits & Zeichenschule, Partenkirschen. Carved lustres. 721
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898. Neumayer, Theodor, Munich. Aluminum reflectors. 720
899. Rakenius, Karl & Co., Berlin. Lamps. 719
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920. Schmidt, Theobald, Berlin. Household implements. 730
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966. Spring Steel M'f'g Co., Cassel. Ligation saws. 750
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969. Zettner, Gebr., Amberg, Bavaria. Rasps and files. 750

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973. Schupp & Nierth, Dresden. Cigar boxes. 750
974. Sedlmayr, Robert, Munich. Tool case. 750
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5. Bishop, Alfred, & Sons, Ltd., London. Effervescent preparations. 547
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15. Foote, J., & Son, London. Toilet accessories. 549
16. Gosnell, J., & Co., London. Toilet powder and soap, tooth paste and perfumery. 549
17. Hindes, Ltd., London. Toilet Requisites. 549
18. Idris & Co., London. Essences. Dept. A 549
19. Jackson, Thomas, Manchester. Cachou. 549
20. Lever Bros., Ltd., Port Sunlight. Soaps and glycerine. 549
21. Mouilla Potash Liquid Soap Company, Ltd., London. Toilet soap. 549
22. Ness & Company, Darlington.
a Disinfecting fluids. 547
b Powders and soaps. 549
23. Newball & Mason, Nottingham.
a Dried herbs. 547
b Beer extracts. 547
24. Oppenheimer, Son & Co., Ltd., London. Pharmaceutical preparations. 547
25. Pain, James, & Sons, London. Fireworks, ship signals and illuminations. 551
26. Patent Borax Company, Ladywood. Washing, cleaning and purifying preparations. 544
27. Pears, A. & F., Ltd., London. Toilet soap. 549
28. Quibell Bros., Newark-on-Trent.
a Sheep-dips and disinfectants. 547
b Soaps. 549
29. Ransom, W., & Son, London.
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b Pharmaceutical extracts, essential oils, etc. 549
30. Smith, T. & H., & Co., London. Chemical products of a pharmaceutical nature. 547
31. Sprules, Sarah, Wallington. Essential oils, lavender water, essences and perfumes. 549
32. Stevenson & Howell, London. Essential oils, essences and perfumes. 549
33. United Alkali Company, Ltd., Liverpool. Bleaching powder, salts, ammonia, etc. 544
34. Usher, Richard, Banbury. Medicinal herbs and pharmaceutical extracts. 547
35. Zeno & Co., London. Perfumery, extracts, toilet soaps and powders, etc. 549

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37. Berger & Sons, Ltd., Lewis, London. Dry colors, oil and spirit varnishes. 552
38. Dales, John T., London. Dublin. 552
39. Day & Martin, London. Boot and harness blacking, furniture polish, etc. 552
40. Duckett, J. B., & Co., Heeley. Writing inks and powders. 552

41. Harrison & Son, Hanley. Colors, glazes and enamels. 552
42. Hickisson, J., London. Ink. 552
43. Madderton & Co., Loughton. Colors and artists materials. 555
44. McCaw, Stevenson & Orr, Belfast, Ireland. Substitute for stained glass. 554
45. Nixey, W. G., London. Stove polish. 552
46. Suter, Hartmann & Rahtjen's Composition Co., Ltd., London. Paints for metal structures. Dept. G 554
47. Weeks, J. W., & Son, Liverpool. Composition for painting heated surfaces. Dept. G 554
48. Winsor & Newton, Ltd., London.
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49. Arnold, P. & J., London. Mucilage and sealing wax. 564
50. Clegghorn, William, Jr., Dundee, Scotland.
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51. Cotterell Bros., Bristol. Art paper hangings and decorative materials. 563
52. Ford, T. B., Loudwater. Blotting paper and raw materials. 560
53. Gestetner, D., London. Duplicating apparatus. 564
54. Gillott, Joseph, & Sons, Birmingham. Pens. 564
55. Hickisson, J., London. Marking apparatus, pens, etc. 564
56. Jeffrey & Co., London. Wall papers and decorations. 563
57. Knowles, Chas., & Co., London. Wall and ceiling papers. 563
58. Maskelyne, J. N., & Son, London. Typewriters. Gal. 564
59. Mynesbrugge, Mary P., Leytonstone. Typewriter. Gal. 564
60. Ward, Marcus, & Co., Ltd., London.
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61. Woollams, Wm., & Co., London. Wall and ceiling papers. 563
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62. Arup Bros., London. Interior decorations. 572
63. Burroughs & Watts, Ltd., London. Billiard table. 566
64. Collinson & Lock, London. Dining and bed room hangings and furniture. 572
65. Davis, W. H., & Co., Birmingham. Brass and iron bedsteads. 567
66. Elliott, James, London. Decorative hangings and furniture. 572
67. Gregory & Co., London. Sideboard, table, chairs, settee and decorations. 567
68. Hampton & Sons, London. Reproduction in carved oak, of the banqueting hall of Hatfield House, the seat of the Marquis of Salisbury. 572
69. Hoskins & Sewell, Birmingham. Metallic bedsteads. 567
70. Johnstone, Norman & Co., London.
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71. London Fabric Printing Company, London. Printed reboets and cretonnes. 568
72. Macbeth, Isaac, Wirksworth. Furniture. 567
73. Peyton & Peyton, Birmingham. Brass and iron bedsteads. 567
74. Roberts, Geo., Sheffield. Furniture. 567
75. Winsfields, Ltd., Birmingham. Brass bedsteads, cot and lectern. 567
76. Wright, Geo., & Co., London. Billiard table and fittings. 566
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77. Ault, William, Burton-on-Trent. Artistic pottery. 575
78. Brown-Westhead, Moore & Co., Cauldon Place. China and earthenware. 576
79. Coalport China Company, Ltd., Coalport. China. 576
80. Daniell, A. B., & Sons, London. Porcelain and earthenware. 576
81. Doulton & Co., London.
a Stoneware and ceramic wall decorations, Doulton ware. 575
b China and earthenware. 576
82. Gibson & Sons, Burslem. Rockingham ware. 576
83. Godwin & Hewitt, Hereford. Tiles. 578
84. Grainger, George, & Co., Worcester. Porcelain and other wares. 577
85. Irish Portland Cement & Brick Co., Ltd., Dublin. Earthenware. Dept. E 576
86. Maw & Co., Ltd., Jackfield. Tiles, mosaics and architectural faience pottery. 578
87. Knowles, Henry, London. Gas, water and sewer pipes. Dept. F 574
88. Moore Bros., Longton. China ware and pâte-sur-pâte decorations. 576
89. Peake, Thomas, Tunstall. Bricks and tiles. 578
90. Worcester Royal Porcelain Company, Ltd., Worcester.
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91. Flynn, Thomas, M. H., & Co., Bessbrook, Ireland. Granite monuments, borders and crosses. 581
92. O'Neill, P. J., & Co., Dublin. Font of Irish marble, statue of the Redeemer, Celtic cross in Donegal sandstone. Dept. E 581
93. Pettigrue, Thomas, Navan. Celtic cross, monuments and pedestals. 581
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94. Doig, William, & Co., London. Bronze replicas of Robert Burns' statue in Ayre, "Prodigious" in bronze, Jubilee Celebration in Abbey (1877). 585
95. Johnson, Edmond, Dublin. Fac simile copies of crosses, croziers and shrines from Royal Irish Academy and Trinity College. 585
- GROUP 94.**
96. Cannington, Shaw & Co., St. Helena. Glass bottles. 590
97. Hartley & Co., Ltd., Sunderland. Glassware. 591
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98. Hardman & Co., London. Pictorial paintings on glass, ecclesiastical art. (Window) 597
99. Holiday, Henry, London. Stained glass window representing the Nativity, with the adoration of the magi and shepherds and the choir of angels. 597
100. Pace, Ion, London. Stained glass windows and designs. 596
101. Winfields, Ltd., London.
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102. Hems & Sons, Harry, Exeter. Carved church furniture and photographs illustrative of carved work. 598
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103. Gibson & Co., Ltd., Belfast. Plate. 605
104. Goldsmiths' & Silversmiths' Co., London.
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105. Johnson, Edmond, Dublin. Antique Irish silver articles. 607
106. Mappin Bros., London.
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107. Wells, John, London. Silver plate and historical articles. 605
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109. Gibson & Sons, Burslem. Jet goods. 614
110. Goldsmiths' & Silversmiths' Co., London. Jewelry and gem ornaments. 613
111. Laird, Misses G. & S., Dublin. Connemara and bog oak jewelry. 614
112. Neilson, Shaw & Macgregor, Glasgow, Scotland. Scottish jewelry and ornaments. 612
- GROUP 99.**
113. Goldsmiths' & Silversmiths' Co., London.
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b Clocks. 621
114. Smith, John, & Sons, London.
a Watches. 617
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115. Bartrum, Harvey & Co., London. Silks and vestings. 627

GREAT BRITAIN.

116. Behrens, Jacob & Sons, Manchester. Silk fabrics. 627
117. Clayton, Murgatroyd & Co., Ltd., Halifax. Spun silk yarns. 627
118. Collinson & Lock, London.
a Gold and silver tissues. 628
b Silks, damasks, brocades and brocates. 629
c Velvets and embroideries. 630
119. Courtauld, Samuel, & Co., Ltd., London. Silk crapes, silk gauzes, silk fabrics and costumes of same. 630
120. Fry & Co., Dublin.
a Silk taborets, lute-strings and poplin damasks. 628
b Carriage laces and trimmings. 632
121. Grant, W. H., & Co., Coventry.
a Raw silks. 625
b Dyed silks. 626
c Suspenders, garters and handkerchiefs. 630
d Silk trimmings. 632
122. Grout & Co., London. Silk crapes, crepons, mousseline de soie, grenadines, etc. 630
123. Hinde, Francis, & Sons, London. Silk crapes. 630
124. Neilson, Shaw & Macgregor, Glasgow, Scotland. Tartan silks and velvets; scarfs, sashes, ribbons, etc. 630
125. Priestley, B., & Co., Idle.
a Silk dress goods. 629
b Veils and veilings. 630
126. Scottish Home Industries Association, London. Silk goods and embroideries. 628
- GROUP 101.**
127. Barry, Ostlere & Co., Ltd., Kirkcaldy, Scotland. Oil cloths, sanitary linoleums and cork carpets. 636
128. Cleghorn, William, Jr., Dundee, Scotland. Jute cloth and yarns. 633
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129. Barbour, William, & Sons, Ltd., Lishburn, Ireland. Linen and flax threads. 639
130. Barlow & Jones, Ltd., Manchester. Cotton fabrics. 638
131. Bartrum, Harvey & Co., London.
a Cotton goods. 638
b Linen goods. 639
132. Behrens, Jacob, & Sons, Manchester. Cotton yarns. 638
133. Brookfield Linen Company, Ltd., Belfast. Linen fabrics. 639
134. Brown, John S., & Sons, Belfast.
a Sheetings. 638
b Household linen and handkerchiefs. 639
135. Brown, John, & Son, Glasgow. Muslins. 638
136. Cash, J. & J., Coventry. Bath towels and gloves. 638
137. Crippin, William & Young, George, Manchester. Cotton yarn. 638
138. Fenton, Connor & Co., Belfast.
a Cotton fabrics. 638
b Linen fabrics. 639
139. Ferguson Bros., London. Cotton linings and shirtings. 638
140. Finlayson, Bousfield & Co., Johnstone, Scotland. Linen threads and twines. 639
141. Fox, Charles, & Co., London.
a Sheetings. 638
b Damasks, toweling, huckabacks, glass cloths, etc. 639
142. King, ohn, & Son, Glasgow. Scotch window Hollands. 639
143. Liddell, William, & Co., London. Linen damasks, table cloths, napkins, towels, sheetings and shirtings. 639
144. Matier, Henry, & Co., Belfast, Ireland. Handkerchiefs, napkins and linen damask. 639
145. Old Bleach Linen Company, Randalstown. Towels, damasks and other linens. 639
146. Richardson, J. N., Sons, & Owden, Ltd., Belfast. Linen, sheetings, handkerchiefs, toweling, etc. 639
147. Robertson, Ledlie, Ferguson & Co., Ltd., Belfast. Table damask. 639
148. Swainson, Birley & Co., London. Cotton dress goods and sheetings. 638
149. Turnbull & Stockdale, Manchester. Cretonnes and velveteens. 638
- GROUP 103.**
150. Apperley, Curtis & Co., Stroud.
a Woolen goods. 641
b Coatings, cassimeres, chevots and serges. 643
151. Athlone Woolen Mills Company, Athlone, Ireland. Worsted goods. 643
152. Bartrum, Harvey & Co., London.
a Woolen goods. 641
b Worsted goods. 643
153. Behrens, Jacob, & Sons, Manchester. Woolen fabrics. 640
154. Bontor, Thomas, & Co., London. Carpets, parqueterie. 649
155. Cameron-Maclachlan, Dugald, Oban, Scotland. Clan tartans. 641
156. Carr, Isaac, & Co., Bath.
a Woolen cloths. 641
b Worsted cloths. 643
157. Cleghorn, William Jr., Dundee, Scotland. Wool waste. 640
158. Crippin, William, & Young, George, Manchester. Woolen yarns. 640
159. Dormeuil Freres, London. Woolens and linings. 641
160. Finson, William, & Co., Burley-in-Wharfedale.
a Shawls. 642
b Wool serges and coatings. 643
c Chevots. 644
161. Hooper, Charles, & Co., Stonehouse. Woolen goods for men's wear. 641
162. Irish Woolen Manufacturing & Export Co., Ltd., Dublin. Woolen goods. 641
163. Macnaughton, A. & J., Pitlochry, Scotland. Scotch tweeds and homespuns. 644
164. Marling & Co., Ltd., Stroud.
a Woolen goods. 641
b Worsted goods. 643

DEPARTMENT H.—MANUFACTURES.

165. Neilson, Shaw & Macgregor, Glasgow, Scotland.
a Clan tartan fabrics for men and women. 641
b Tweeds, traveling plaids, rugs, etc. 642
c Curtains, hearth rugs, carpets, etc. 649
166. Pocock, T. P., & Co., Chippenham. Worsted coatings. 643
167. Priestley, B., & Co., Idle.
a Dress fabrics and cloakings. 641
b Shawls. 642
168. Scottish Home Industries Association, London. Woolen stuffs, and Shetland woolen goods. 641
169. Smith, Turberville, & Son, London. Axminster carpets. 649
170. Stephen, A. F., Huntley.
a Traveling rugs, etc. 642
b Tweeds, clan tartans, etc. 644
171. Thomson, William, & Sons, Ltd. Huddersfield.
a Woolen cloths. 541
b Worsted cloths. 643
172. Ward & Taylor, Bradford-on-Avon. Tweeds, trouserings, suitings, etc. 644
173. Yates & Co., Ltd., Wilton. Axminster carpets. 649
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174. Cartwright & Warners, Ltd., Loughborough. Gentlemen's, ladies' and children's underwear. 657
175. Cooksey & Co., London. Hats. 654
176. Holden Bros., London. Boots and shoes. 656
177. Hummel, E. & H., & Co., London.
a Hosiery, etc. 657
b Shirts. 658
178. Irish Industries Association, London. Hosiery and underclothing. 657
179. Irish Woolen Manufacturing & Export Co., Ltd., Dublin. Ready made clothing. 652
180. Lincoln, Bennett & Co., London. Hats and helmets. 654
181. Lewis, William, & Sons, London.
a Underwear, hosiery, silk stockings made for King George IV. 657
b Cravats, shirts and collars. 658
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182. Lobb, John, London. Boots and shoes. 656
183. Macqueen & Co., London. Hats and helmets. 654
184. Martin, F. J., & Co., London. Gloves and clasps. 657
185. Morley, W., & n. Gar-
 terless hose. 657
186. Neilson, Shaw & Macgregor, Glasgow, Scotland. Hosiery. 657
187. Ormes, Upsdale & Co., London. Gloves mitts and gauntlets. 657
188. Reily, Kate, London. Ladies' costumes and court trains. 653
189. Shingleton, William, London. Safety riding habit. 653
190. Smyth & Co., Ltd., London. Hosiery. 657
191. Walker, R., & Sons, Leicester. Woolen underclothing and hosiery. 657

GROUP 106.

192. Benton & Johnson, London. Gold and silver laces, etc. 664
193. Cash, J. & J., Coventry. Insertions and embroideries. 665
194. Harper, Thomas, Redditch. Needles and pins, surgeons' needles, etc. 668
195. Irish Industries Association, London.
a Silk and linen laces. 664
b Embroideries. 665
196. Laird, Misses G. & S., Dublin.
a Irish lace. 664
b Fans. 667
197. Milward, Henry, & Sons, Ltd., Redditch. Needles. 668
198. Muddiman, T. H. & J., London. Trimmings. 668
199. National Lace Company, Nottingham. Laces and curtains. 664
200. Peach, Samuel, & Sons, Nottingham. Nottingham lace curtains. 664
201. Turner, R., & Sons, Redditch. Pins, needles and hairpins; needlecases. 668

GROUP 107.

202. Hindes, Ltd., London. Brushes. 675
203. Stewart, S. R., & Co., Aberdeen. Combs. 675

GROUP 108.

204. Bryant, Robert, London. Gun cases, pouches, etc. 677
205. Swaine & Adeney, London. Dept. G
a Hunting flasks and sandwich cases. 676
b Walking sticks and canes. 681
206. White, William, & Son, Glasgow. Tobacco pipes. 680

GROUP 109.

207. Anderson, Anderson & Anderson, London. Waterproofs. 683
208. Cravenette Company, Ltd., Bradford. Waterproof cloths. 692
209. Fison, Willaim & Co., Burley-in-Wharfedale. Waterproof goods. 683
210. Zacharias, J., & Co., Oxford. Waterproof garments. 683

GROUP 110.

211. Stewart, S. R., & Co., Aberdeen. Cups, shoe horns, paper cutters, etc. 695

GROUP 111.

212. Jeffrey & Co., London. Embossed leather papers and portieres. 705
213. Woollams, Wm. & Co., London. Embossed leather. 705

GROUP 112.

214. Macfarlane, Strang & Co., Ltd. London. Water meters. Dept. F 711

GROUP 113.

215. Curtis & Harvey, London. Gunpowder. 714
216. Eley Bros., Ltd., London. Ammunition. 714
217. Greener, W. W., Birmingham. Sporting guns. 718
218. Joyce, F. & Co., Ltd., London. Ammunition. 714

GREAT BRITAIN.

219. Lancaster, Charles, London.
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 220. Scott, W., & C., & Son, Birmingham.
 Sporting guns. 718

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221. Clarke's Pyramid & Fairy Light Co.,
 Ltd., London. Lamps and food warmers. 720

GROUP 115.

222. Barnes' Patent Dryer & Airer Syndi-
 cate, London. Clothes dryers and airers. 730
 223. Ewart & Son, London. Dept. F.
a Gas controlling apparatus. 724
b Bath and geyser. 726

224. Steel & Garland, London. Fire-
 places, grates, fenders and fireside requi-
 sites. 724

225. Wright, John, & Co., Ltd., London.
 Gas apparatus, fires and baths.
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226. Staniforth, Wm. Thos., Sheffield.
 Knives. 751

227. Tubular Lock Syndicate, Ltd., Lon-
 don. Locks. 747

228. Wostenholm, George, & Son, Ltd.,
 Sheffield. Knives, table cutlery, razors
 and scissors. 751

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229. Bryant & May, Ltd., London. Vestas,
 matches, wax tapers and braided lights.

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1. Ardeshir & Byramji, Bombay. Pot-
 tery. 575
 2. Ardeshir & Byramji, Bombay. Art
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 3. Ardeshir & Byramji, Bombay.
a Carved sandalwood and furniture. 598
b Carved and inlaid ivory. 599
 4. Ardeshir & Byramji, Bombay. Silver
 ware. 604
 5. Ardeshir & Byramji, Bombay. Gold
 and silver jewelry. 612
 6. Ardeshir & Byramji, Bombay. Silk
 fabrics. 627
 7. Ardeshir & Byramji, Bombay. Cotton
 fabrics. 638
 8. Ardeshir & Byramji, Bombay.
a Shawls. 642
b Indian carpets. 649
 9. Ardeshir & Byramji, Bombay. Em-
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 10. Ardeshir & Byramji, Bombay. Indian
 fancy goods. 695
 11. Bombay-Burmah Trading Corporation,
 Rangoon. Cutch; teak. 545
 12. Bombay-Burmah Trading Corporation,
 Rangoon. Umber. 552

13. Croft, Gonne, & Co., Calcutta. Ground
 bone. 92

14. Das & Gopi, Benares City. Embroid-
 ery and brocade. 665

15. De Forest, Lockwood, Ahmedabad.
 House and room in carved wood. 598

16. De Monte, Jos., Bombay. Model of
 apparatus for preventing collisions on
 railways. 499

17. Doyle, Harry, & Co., Calcutta. Silver
 jewelry. 612

18. Doyle, Harry, & Co., Calcutta. Musk.
 549

19. Rhumgara, F. P., & Co., Bombay.
 Furniture. 567

20. Rhumgara, F. P., & Co., Bombay.
a Carved bones. 598
b Carved ivory. 599

21. Rhumgara, F. P., & Co., Bombay.
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22. Rhumgara, F. P., & Co., Bombay.
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23. Rhumgara, F. P., & Co., Bombay.
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2. Ciaburri, Antonio, Cerreto Sannita. Pharmaceutical preparations. 547
3. Cristofori, Natale, San Vito al Tagliamento. Insect powder. 547
4. Genevois, Felice & Son, Naples. Soaps. 549
5. La Chiavi, Enrico, Palermo. Chemical preparations. 547
6. Martinez, G. G., Gergenti. Pharmaceutical preparations. 847
7. Manara, Dr. Michele, Pavia. Pharmaceutical preparations. 547
8. Porrivecchi, Carlo, Messina. Essences. 549
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10. Tarozzi, Cesare, Bologna. Hair dye. 547
11. Zampironi Laboratory, Mestre. Insect powder. 547

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13. Pozzi, Giuseppe, Rome. Colors. 555

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14. Caccia, Antonio & Co., Milan. Lace paper. 562
15. Cartiera Reali, Venice. Paper. 556
16. Fornari, G. B., Fabriano. Paper. 556
17. Miliani, Pietro, Fabriano. Paper. 556

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19. Bacetti, Andrea, Florence. Furniture. 567
20. Barni Bros., Severo San Pietro, Furniture. 567
21. Bertani, Carlo, Milan. Furniture. 567
22. Besarel Bros., Venice. Furniture. 567
23. Biasotto, Antonio, Venice. Artistic objects. 572
24. Borrelli Domenico, Naples. Furniture. 567
25. Bozzelli, Marianna, Naples. Artistic furniture. 572
26. Calabresi, Stefano, Naples. Furniture. 567
27. Candiani, Dr. N., Venice. Furniture. 567
28. Cattaneo Bros., Milan. Furniture. 567
29. Cella, Antonio, & Co., Milan. Furniture. 567
30. Chiavari Economic Society, Chiavari. Chairs. 565
31. Ciaramelli, Stefano, Florence. Frames. 569
32. Corbella, Carlo, Milan. Furniture. 567

33. Del Soldato, Giuseppe, Florence. Furniture. 567
34. Frullini, Prof. Luigi, Florence. Artistic furniture. 572
35. Grassi, Erasmo, & Son, Catania. Furniture. 567
36. Mariani, Eduardo, Milan. Furniture. 567
37. Minghetti, Prof. G. B., Vicenza. Furniture. 567
38. Modenato, Marco, Venice. Artistic furniture. 572
39. Mora Bros., Milan. Furniture. 567
40. Meroni & Fossati, Lissone. Furniture. 567
41. Olivotti, A., & Co., Florence. Furniture. 567
42. Pogliani, Ferdinando, Milan. Artistic furniture. 572
43. Picchi, Andrea, Florence. Picture frames. 572
44. Pucci, Prof. Carlo, Florence. Furniture. 567
45. Querena, Francesco, Turin. Furniture. 567
46. Ramelli, Andrea, Milan. Furniture. 567
47. Rossi & Sons, Venice. Artistic furniture. 572
48. Sonnino, Pasquale, Resina. Furniture. 567
49. Schmitt, Bonifacio, Naples. Furniture. 567
50. Spadaro, Antonino, Noto. Grille work. 572
51. Tappari, Pietro, Florence. Furniture. 567
52. Tenca & Co., Milan. Mirrors. 569
53. Testolini, M. Q., Venice. Furniture. 567
54. Toledo, Matteo, Naples. Furniture. 567
55. Toso, Francesco, Venice. Artistic furniture. 572
56. Zanetti, Antonio, Vicenza. Furniture. 567
57. Zucconi, Vincenzo, Florence. Furniture. 567

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58. Antonibon, Pasquale, & Sons, Nove. Pottery. 575
59. Artistic Industrial Museum, Naples. Ceramic articles. 575
60. Bazzanti & Son, Florence. Mosaics. 580
61. Boncinelli & Sons, Florence. Mosaics. 580
62. Cacciapuoti, Ettore & Guglielmo, Naples. Ceramic art. 575
63. Cantagalli, Ulisse, Florence. Pottery. 575
64. Castellani, Comm. Guglielmo, Rome. Pottery. 575
65. Co-operative Mosaic Society, Florence. Mosaics. 580

ITALY.

66. De Bottazzi, Jgnazio, Turin. Pottery. 575
67. Fabri, Pio, Rome. Majolica. 575
68. Galleano, E., Genoa. Majolica. 575
69. Mazzarella, Bernardino, Naples. Pottery. 575
70. Molaroni & Co., Pesaro. Artistic majolica. 575
71. Mollica, Achille, Naples. Ceramics. 575
72. Montelatici, Giuseppe, Florence. Mosaics. 580
73. Pasqualetti, Carlo, Volterra. Pottery. 575
74. Petralli & Co., Florence. Mosaics. 580
75. Torelli, Prof. Jafet, Florence. Majolica. 575
76. Richard & Co., Milan. Pottery. 575
77. Rocca, R. & Co., Venice. Mosaics. 580
78. Roccheggiani, Rome. Mosaics. 580
79. Salvini & Co., Florence. Pottery. 575
80. Schibba, Luigi, Rome. Mosaics. 580
81. Ugolini, Giovanni, Florence. Mosaics. 580
82. Venetian Mosaic Society, Venice. Mosaics. 580
83. Viero, G. B., Bassano. Majolica. 575
84. Zorzi, A. & Bro., San Ambroio Valpolicello. Bricks. Dept. E 574
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85. Andreoni Gallery, Pisa. Marbles. 582
86. Andreoni, Orazio, Rome. Marble statue. 582
87. Bazzanti & Son, Florence. Marbles. 582
88. Frilli, Antonio, Florence. Marbles. 582
89. Ghirardi, Vittorio, Carrara. Marbles. 582
90. Lapini Bros., Florence. Marbles. 582
91. Montarsolo, Vittorio, Genoa. Marbles. 582
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1076. Genjiro Okonoji, Gumma. Silk fabric. 629
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1078. Gennosuke Kitaoka, Kyoto. Silk fabric. 629
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1180. Kahei Sowa, Kyoto. Silk fabric. 629
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1182. Kahei Yohoyama, Gumma. Silk fabric. 629
1183. Kaichi Kato and one other, Yamanashi. Kaiki (silk fabric). 627
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| 1207. Katsuyama Silk Manufacturing Company, Fukui. Raw silk. 625 | 1241. Kiroku Saba, Gumma. Silk fabric. 629 |
| 1208. Kazo Koridani, Fukui. Raw silk. 625 | 1242. Kisaburo Ogawa, Fukui. <i>a</i> Silk fabric. 628 |
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| 1212. Kengo Iwada, Gifu. Kaiki (silk fabric). 627 | 1245. Kisuke Adachi, Kyoto. Silk fabric. 629 |
| 1213. Keisai Hirai, Yamanashi. Kaiki (silk fabric). 627 | 1246. Kiyoshi Tabuchi, Hyōgo. Rawsilk. 625 |
| 1214. Keitaro Arai, Gumma. Silk fabric. 629 | 1247. Kobei Nishikawa, Kyoto. Plain woven silk. 628 |
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| 1218. Kichiemon Saba, Gumma. <i>a</i> Figured silk fabrics. 629 | 1251. Kohei Motegi, Saitama. Floss. 627 |
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1833. Sozaemon Nishimura, Kyoto. Art embroidery works. 669
1834. Sozaemon Seko, Hyogo. Embroidered screens. 670
1835. Shunshi Shimada, Kumamoto. Fans. 667
1836. Tadamasu Hayashi, Tokyo. Embroideries. 669
1837. Taemon Abe, Ishikawa.
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1838. Takejiro Kokama, Kagawa. Fans. 667
1839. Tamuro Okamoto, Ishikawa. Embroidery. 665
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1841. Tatsuo Sawada, Okayama. Fans. 667
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1843. Tokujiro Sasa, Kyoto. Fans. 667
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 1849. Tsuneshichi Kamedani, Kyoto. Fans. 667
 1850. Umajiro Kumihashi, Kagawa. Fans. 667
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 1855. Yasubei Yamamoto, Shizuoka. Fans. 667
 1856. Yasuke Takamasu, Osaka. Fans. 667
 1857. Yoichi Ishikawa, Kagawa. Fans. 667
 1858. Yoichi Kubota, Osaka. Fans. 667
 1859. Yoshiji Watatani, Ishikawa. Embroidery. 665
 1860. Yoshimatsu Matsuura, Kanagawa. Embroidery work. 665
 1861. Yoshinosuke Kimura, Kyoto. Fans. 667
 1862. Yutaro Mizuto, Ishikawa. Embroidered fans. 367
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 1868. Kosuke Kano, Osaka. Tooth brushes. 675
 1869. Naotaro Nakada, Osaka. Tooth brushes. 675
 1870. Osaka Seigyo Company, Osaka. Brushes. 675
 1871. Ryunosuke Minakuchi, Osaka. Tooth brushes. 675
 1872. Sanen Company, Kawaga. Straw brushes. 675
 1873. Shoeigumi, Osaka. Combs. 675
 1874. Sosuke Hoshino, Tokyo. Combs. 675
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 1876. Tokichi Kawabe, Osaka. Brushes. 675
 1877. Tokusaburo Ise, Osaka. Combs. 675
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 1881. Chyojiro Okada, Tokyo.
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 1882. Daisuke Nagata, Hyogo. Bamboo canes. 681
 1883. Ganzo Nakamura, Nagoya. Umbrella handles. 682
 1884. Genshiro Shimizu and six others, Gifu. Canes. 681
 1885. Genzo Iwamoto, Hyogo. Bamboo canes. 681
 1886. Gunshyodo, Hiroshima. Canes and handles of umbrellas. 681
 1887. Hakata Association, Fukuoka. Hakata silk bags. 680
 1888. Hampei Koshino, Kanazawa. Lacquered cigarette case. 680
 1889. Himeiji Trading Company, Hyogo. Leather and imitation leather works. 680
 1890. Hiroshima Parasol Company, Hiroshima. Parasols. 682
 1891. Hyoemon Nagakura, Shizuoka. Satchel made with sago palm. 678
 1892. Ichibeï Kawagishi, Kumamoto. Dress suit case. 678
 1893. Ichimatsu Oda, Osaka. Valises. 678
 1894. Ichizaemon Matsumoto, Tokyo. Excursion lunch set. 676
 1895. Iemon Tanimura, Tokyo. Match boxes. 680
 1896. Jenosuke Fukumoto, Kanagawa. Purses. 678
 1897. Jinemon Wada, Osaka. Umbrellas. 682
 1898. Jinzaburo Goto, Kumamoto. Japanese umbrella. 682
 1899. Kanzaemon Watanaba, Kanagawa. Canes. 681
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 1901. Kichibeï Yoshida, Hyogo. Bamboo canes. 681
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 1903. Kimpei Harishige, Tokyo. Feather fabric. 678
 1904. Kisaburo Matsumoto and nine others, Hiroshima.
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 1906. Kumagoro Taniguchi, Tokyo. Leather work. 680
 1907. Matsuzo Ichimasa, Osaka. Mirrors. 678
 1908. Minoru Kishida, Hyogo. Handbags. 678
 1909. Mitsuzo Hirai, Hiroshima. Canes. 681
 1910. Mondo Tanaka, Osaka. Carved wood works. 682
 1911. Mosuke Kuroda, Nagoya. Boxes of lacquered papier-maché. 680

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1912. Motaro Awamura, Osaka. Cigar cases. 682
1913. Naojiro Tschigawara, Gifu. Parasols. 682
1914. Naosaburo Mitani, Tokyo. Smoking pipes. 680
1915. Parasol Manufacturers' Association, Kagawa. Parasols. 682
1916. Sadajiro Hosomi, Osaka. Bags. 680
1917. Seizo Yamamoto, Tokyo. Imitation leather works. 680
1918. Senroku Ikeda, Saga. Tobacco pouch and pipe. 680
1919. Setsu Endo, Gifu. Parasols. 682
1920. Shichihei Oita, Osaka. Cane heads. 681
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1924. Torakiyo Sato, Tokyo. Parasols. 682
1925. Toyohachi Yasuda, Gifu. Parasols. 682
1926. Toyosaburo Yoshioka, Tottori. Parasols. 682
1927. Toyotaro Kusakari, Tokyo. Match boxes. 680
1928. Tsunejiro Kokagi, Nara. Canes. 681
1929. Usaburo Okamiya, Tokyo. Umbrellas and parasols. 682
1930. Yamaga Parasol Manufacturing Company, Kumamoto. Parasols. 682
1931. Yasubei Yamamoto, Shizuoka. Canes. 681
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1932. Lacquer Work Company, Tokyo. Lacquered water-proof cloth. 692
1933. Toru Yano, Osaka. Gutta percha waterproof cloth. 692
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1934. Buemon Iwasa, Tokyo. Dolls. 693
1935. Eijiro Matsuyama, Shizuoka. Lacquer work. 695
1936. Genbei Sakata, Osaka. Drums. 693
1937. Gihei Hono, Toyama. Lacquer ware. 695
1938. Hachirōji Okuda, Shizuoka. Lacquer work. 695
1939. Hachisaburō Fujita, Fukushima. Lacquer work. 695
1940. Hanjirō Shiotani and one other, Toyama. Lacquer work. 695
1941. Haruji Kanamori, Nagoya. Lacquer ware. 695
1942. Hatsuzo Shimizu, Kyoto. Dolls. 693
1943. Heibei Wada, Osaka. Dolls and bags. 693
1944. Hidekichi Yasui, Hyogo. Bows and arrows. 693
1945. Hisa Nogi, Osaka. Paper toys. 693
1946. Hyōemon Nagakura, Shizuoka. Lacquer work. 695
1947. Ihei Ikedani, Shizuoka. Lacquer work. 695
1948. Inaba & Co., Shizuoka. Lacquer work. 695
1949. Kamejirō Shima, Toyama. Lacquer work. 695
1950. Kamejiro Shinano, Osaka. Toys. 693
1951. Kamekichi Ōsaka, Akita. Lacquer work. 695
1952. Kano Kitahara, Aichi. Kites. 693
1953. Kansai Trading Company, Kyoto. Dolls. 693
1954. Kanzaemon Watanabe, Kanagawa. Fancy bamboo articles. 695
1955. Karaku Oga, Osaka. Toys. 693
1956. Keizo Sakata, Osaka. Picture books. 695
1957. Kichiemon Sato, Shizuoka.
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1958. Kichitaro Hasegawa, Tokyo. Toys. 693
1959. Kichijirō Honho, Toyama. Lacquer ware. 695
1960. Kikutarō Nakayama, Toyama. Lacquer ware. 695
1961. Kinjirō Takagi, Nagoya. Plaque. 695
1962. Kiyomatsu Kikuchi, Fukushima. Lacquer work. 695
1963. Kizaemon Takase, Fukushima. Lacquer work. 695
1964. Kohei Iwati, Osaka. Toy Carts. 693
1965. Koho Takatani, Osaka. Hanging pictures. 695
1966. Kuzo Kajida, Osaka. Plaques (of pictures). 695
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1968. Kyubei Araki, Fukui. Lacquer ware. 695
1969. Kyuemon Yazawa, Shizuoka.
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1970. Kyujiro Tamai, Nara. Lacquer ware. 695
1971. Kyusuke Suzuki, Fukushima. Lacquer work. 695
1972. Lacquer Work Company, Aomori. Lacquer work. 695
1973. Magobei Sakuda, Osaka. Toys. 693
1974. Manji Hattori, Tokyo.
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1976. Minoru Kishida, Hyogo. Hanging pictures. 695
1977. Mosuke Kuroda, Nagoya. Lacquer work. 695
1978. Nihei Yamada, Osaka. Toys. 693
1979. Ninichi Okada, Tokyo. Fancy articles. 695
1980. Oho Igarashi, Hyogo. Picture frames. 695
1981. Rihei Okamoto, Huogo. Lacquer vase. 695
1982. Rihei Suzuki, Fukushima. Lacquer work. 695
1983. Risaburo Nozawa, Osaka. Stuffed animals. 693
1984. Risanji Isogai, Shizuoka. Lacquer work. 695

DEPARTMENT H.—MANUFACTURES.

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1986. Seiji Misaki, Kyoto. Toys and fancy articles. 693
1987. Sekko Koyama, Hyogo. Screens. 695
1988. Sennosuke Nakagawa, Shizuoka. Lacquer pictures. 695
1989. Senzō Nakagawa, Shizuoka. Lacquer work. 695
1990. Shigeji Iwamoto, Hyogo. Hanging pictures. 695
1991. Shōbei Echigo, Akita. Lacquer work. 695
1992. Shōjurō Ishioka, Akita. Lacquer work. 695
1993. Shotaro Ohashi, Hyogo. Screens and hanging pictures. 695
1994. Shozaburo Tsuge, Tokyo. Bamboo baskets. 695
1995. Shunji Kikuchi, Fukushima. Lacquer work. 695
1996. Sobei Wakano, Osaka. Paper toys. 693
1997. Sotaro Suzuki, Kanazawa. Pictures. 695
1998. Tadasaburō Hattori, Nagoya. Lacquer Cloisonne flower vase. 695
1999. Taheiji Tatsuno, Toyama. Lacquer ware. 695
2000. Takijiro Kutsutani, Tokyo. Toys. 693
2001. Tamekichi Ito, Tokyo. Bamboo articles. 695
2002. Tatsunosuke Akamatsu, Osaka. Plaques (of pictures). 695
2003. Tatsunosuke Yoshida, Nara. Lacquer ware. 695
2004. Tatsuzō Kondo, Fukushima. Lacquer work. 695
2005. Tazō Morita, Nara. Lacquer ware. 695
2006. Tazo Yasuda, Hyogo. Hanging pictures and screens. 695
2007. Tetsutarō Takahashi, Shizuoka. Lacquer work. 695
2008. Tokubei Hayashi, Osaka. Dolls. 693
2009. Tokujiro Taniguchi, Kyoto. Toys and fancy articles. 693
2010. Tokusaburō Kobayashi, Toyama. Lacquer ware. 695
2011. Tokutarō Ōno, Shizuoka. Lacquer work. 695
2012. Torakiyo Sato, Tokyo.
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2013. Toyokichi Akagi, Fukushima. Lacquer work. 695
2014. Tsugihatsu Takayanagi, Toyama. Lacquer ware. 695
2015. Tsunekichi Kimura, Toyama. Tortoise shell incense burner. 695
2016. Tsunesaburo Aoki, Osaka. Plaque (picture). 695
2017. Tsyoshi Murakami, Osaka. Toys. 693
2018. Uhei Shinozaki, Fukushima. Lacquer work. 695
2019. Wakasanuri Lacquer Work Company, Fukui. Lacquered boxes. 695
2020. Wasaburō Yamamoto, Nagoya. Trays and vase. 695
2021. Yaichiro Tanaka, Kyoto. Toys. 693
2022. Yaozō Mameda, Fukui. Lacquer ware. 695
2023. Yashichirō Kotake, Toyama. Lacquer ware. 695
2024. Yasubei Yamamoto, Shizuoka. Lacquer and inlaid work. 695
2025. Yasubei Yokohama, Hyogo. Screens and hanging pictures. 695
2026. Yasusaburo Osumi, Nara. Lacquer ware. 695
2027. Yohei Saitō, Fukushima. Lacquer work. 695
2028. Yonekichi Mamba, Tokyo. Toys. 693
2029. Yoshitaka Suwa, Kanazawa. Carving on lacquering. 695
2030. Yukichi Ishii, Toyama. Lacquer ware. 695
2031. Zenjirō Suzuki, Fukushima. Lacquer work. 695
2032. Zenshichi Matsumoto, Hyogo. Screens. 695
2033. Zensuke Komae, Toyama. Lacquer ware. 695

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2034. Chojiro Nitta, Osaka. Curried leather. 698
2035. Daijiro Kumagai, Tokyo. Embossed leather. 705
2036. Iemon Sato, Tokyo. Leather work. 705
2037. Jihei Suga, Hyogo. Leather. 697
2038. Kocchiro Yura, Osaka. Curried leather. 698
2039. Kokichi Tanaka, Tokyo. Leather work. 705
2040. Nagasaki Leather Manufacturing Company, Nagasaki. Leather. 697
2041. Seiji Ino, Osaka. Curried leather. 698
2042. Shinjiro Matsukane, Tokyo. Leather work. 705

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2045. Ichimatsu Hashimoto, Osaka. Lamps. 719
2046. Jyubei Kiri, Osaka. Lamp Chimneys. 719
2047. Kansai Trading Company, Kyoto. Lanterns. 720
2048. Kunimatsu Nishimori, Osaka. Lanterns. 720
2049. Genshiro Shimizu, Gifu. Lamp stand. 720
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<i>b</i> Lanterns.	720	2073. Gonjiro Miya, Iwate. Iron pots.	732
2055. Nippon Lamp Shade Manufacturing Company, Osaka. Lamp shades.	719	2074. Hambei Nakamura, Osaka. Tea pots.	732
2056. Shichiroemon Tamai, Tokyo. Lanterns.	720	2075. Hankichi Suzuki, Iwate. Iron pots.	732
2057. Takijiro Aita, Tokyo. Lanterns.	720	2076. Harujiro Arisaka, Iwate. Iron pots.	732
2058. Toramatsu Suzuki, Nagoya.		2077. Heigoro Shimazaki, Saitama. Iron kettles.	732
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2059. Toshimichi Miyazaki, Gifu. Lanterns.	720	2080. Nizaemon Koizumi, Iwate. Iron pots.	732
2060. Toyotaro Kusakari, Tokyo. Candlesticks.	721	2081. Shinshichi Yoshida, Osaka. Tea pots.	732
2061. Zenshichi Izumi, Gifu. Lanterns.	720	2082. Tomiemon Arisaka, Iwate. Iron pots.	732
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2063. Ikumatsu Okumura, Tottari. Lacquered cigar tray.	730	2084. Yasuke Sano, Osaka. Kettles.	327
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2066. Kichimatsu Sugimoto, Osaka. Feather brooms and screens.	730	2086. Koryo Harimoto, Osaka. Safes.	752
2067. Kisaburō Natsumoto, and nine others. Hiroshima. Dishes, trays, flower vases, etc.	730	2087. Mike Trading Company, Hyogo. Shears and hair tweezers.	751
2068. Kyuemon Yazawa, Shizuoka. Tray (fern work).	730	2088. Shinshichi Yoshida, Osaka. Edge tools.	749
2069. Seiichi Ozawa, Shizuoka. Bamboo bread tray.	730	2089. Tetsukichi Senga, Osaka. Razors.	751
2070. Seizamon Ito, Osaka. Pocket warmer, etc.	727		

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2. Hansen, Frida, Christiania. Pictorial hanging.	568	13. Lofthnus, Johs., Hardanger. Boxes, card receiver, etc.	598
3. Norsk Husflids Skole, Liadalen. Art fabrics; model of hand-loom.	568	14. Norsk Husflids Skole, Liadalen. Wood carvings.	598
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5. Anganes, H. A., Hardanger. Birch-wood tankard, box, breastpin and knife.	598	18. Sundvold, Erland O., Vinje, Vosse-Stranden. Wood carvings.	598
6. Bakkestojl, O. H., Telemarken. Turned wood.	598	19. Tvedt, Johannes, Hardanger. Wood carvings.	598
7. Björvik, Ole R., Bygstad. Beer tankards.	598	20. Utne, Sjur Oddsen, Hardanger. Wood carvings.	598
8. Borgersen, B., Svelvig. Wood carving.	598	GROUP 97.	
9. Dagestad, Magnus M., Hardanger. Carved articles.	598	21. Andersen, David, Christiania.	
10. Djupvik, Hans, Strandvik. Box and breastpin.	598	<i>a</i> Gilt enameled coffee services; lamps.	604
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| 23. Hammer, M., Bergen. <i>a</i> Gilt tableware. 604
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| 24. Rudström, J. A., Fredrikstad. Candelabra, tankard and chalice. 608 | 44. Maakestad, Guro Larsen, North Hardanger. Embroideries. 665 | |
| 25. Tostrup, J., Christiania. <i>a</i> Gilt tableware. 604
<i>b</i> Fancy articles. 607 | 45. Naesheim, Brita, Hardanger. Afghans and embroidery. 665 | |
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| 26. Andersen, David, Christiania. <i>a</i> Gold ornaments. 612
<i>b</i> Diamond jewelry. 613
<i>c</i> Filigree jewelry. 616 | 46. Norsk Husflids Skole, Liadalen. Embroideries. 665 | |
| 27. Hammer, M., Bergen. <i>a</i> Ornaments and antique silver ware. 612
<i>b</i> Filigree jewelry. 616 | 47. Olson, Kristian, Telemarken. Embroidery. 655 | |
| 28. Tostrup, J., Christiania. <i>a</i> Gold ornaments. 612
<i>b</i> Filigree jewelry. 616 | 48. Skaaltveit, Britha T., North Hardanger. Embroidery. 665 | |
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| 29. Tø, Kristian Olsen, Telemarken. Silver watches. 617 | 49. Thrane, Ragnhild, Christiania. Imitation Gobelin hanging. 670 | |
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| 30. Norsk Husflids Skole, Liadalen. Hammocks. 633 | 50. Tvedt, Brita, Hardanger. Embroidery. 665 | |
| 31. Norsk Husflids Skole, Liadalen. Articles made from root fibres and straw. 635 | 51. Wesenberg, Signy, Bergen. <i>a</i> Embroidery. 665
<i>b</i> Art embroidery. 669 | |
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| 32. Bekhus, Johanne, Rawland, Telemarken. Home-woven rug. 649 | GROUP 107. | |
| 33. Berg, Hans, Stenkjier. Dyed home-spuns. 641 | 52. Norsk Husflids Skole, Liadalen. Brushes. 675 | |
| 34. Hauglan, Kjerstina, Traesvig. Home woven rugs. 649 | GROUP 110. | |
| 35. Prah, Hildur, N., Bergen. Home woven rugs. 649 | 53. Norsk Husflids Skole, Liadalen, Christiania. Hand-painted articles. 695 | |
| GROUP 104. | | |
| 36. Gunnene, Torchel A., Gvarø. National costumes. 653 | 54. Olson, Kristian, Telemarken. Dolls. 695 | |
| 37. Hallen, Brodrene, Christiania. Gloves. 657 | GROUP 111. | |
| 38. Helland, Gunhild, Telemarken. National costume. 653 | 55. Bergen Committee, Bergen. <i>a</i> Dressed catfish skins, seal skins. 696
<i>b</i> Seal leather. 702 | |
| 39. Sundt & Co., Bergen. National costumes. 653 | 56. Bruhn, E. C., Trondhjem. Calfskins and sheepskins. 696 | |
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| 40. Drivdahl, Marie, Christiania. Art embroidery. 669 | GROUP 113. | |
| 41. Hansen, Fritze, Fredrikshald. Embroidered handkerchief. 665 | 57. Hagen, L. H., & Co., Christiania. <i>a</i> Rifles. 714
<i>b</i> Snow-shoes; skates. 718 | |
| | 58. Olson, Kristian, Telemarken. Powder-horn, etc. 718 | |
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| | 59. Remmen & Madsen, Kragero. Stoves. 725 | |
| | GROUP 121. | |
| | 60. Hestekosomfabrik Dennorske, Christiania. Horseshoe nails. 752 | |
| | 61. Aktiebolaget Hermes, Christiania. Automatic blanket unrolling apparatus. | |
| | 62. Andersen, Johs, Christiania. Mud protector. | |

SIAM.

DEPARTMENT A.

GROUP 1.

1. Rice of various kinds. 6

GROUP 2.

2. Biscuits of rice, lotus, sweet pea, grass root, etc. 14

GROUP 3.

3. Sugar. 18

GROUP 4.

4. Potatoes, stock roots, etc. 28

GROUP 6.

5. Dried fish, meats and fowl. 96

GROUP 8.

6. Siamese cigars. 52

7. Tobaccos. 51

GROUP 9.

8. Cotton. 53

9. Hemp. 59

10. Silk. 61

GROUP 16.

11. Agricultural implements and farmers' tools. 84

GROUP 17.

12. Bones, tortoise shells, etc. 90

13. Elephants, tusks, plain and carved, buffalo horns, deer antlers, wild cows' horns, rhinoceros' horns, ceroulus' horns, horn of chelonia, etc. 90

DEPARTMENT B.

GROUP 21.

14. All varieties of Siamese fruits in wax and in paintings. 138

15. Jams. 141

16. Preserved and candied fruits. 140

GROUP 22.

17. Flowers in wax. 171

GROUP 24.

18. Vegetables and fruit seeds. 180

DEPARTMENT D.

GROUP 38—CLASS 254.

19. Casting, circular, square, scoop, drag, stationary and "soom" fish nets; trapping, etc., standing, cap-shaped and washing baskets; funnel, and other traps; weirs, spears, eel forks, harpoons, tridents, pawn scoops, hooks, rods, and lines, and basket fence. 254

GROUP 40.

20. Shell and horn work. 278

DEPARTMENT E.

GROUP 42.

21. Gold, tin, iron and other ores; rubies, sapphires and other gems. 291

DEPARTMENT G.

GROUP 85—CLASS 528.

22. Boats (Models). His Majesty's barge, state barges, nobleman's boat, gondola, waat boats, Lampanee boat, pet boats, and all kinds of fishing and pleasure craft.

DEPARTMENT H.

GROUP 89.

23. Six rolls of plow paper and 78 Khoi books.

GROUP 90.

24. Hat racks. 567

GROUP 91.

25. China rice bowls and covers, full sets of rice and curry bowls, sets of perfumery cups and covers, sets of powder cups and covers, sets of tea cups and spittoons. 576
26. Earthen goblets, jugs, mortars, etc. 567

GROUP 94.

27. Fancy scent bottles. 593

GROUP 96.

28. Carvings of chess men, boxes, brushes, animals, cigar stands, and figures in ivory, wood, etc.

GROUP 97—CLASS 604.

29. Metal Work, Red Gold Articles. Spittoons, tea pots and trays, saucers, cups, bowls, jugs, betel boxes and betel services, set with diamonds, spittoons set with diamonds.

30. Gilded. Water bowls, trays and cups, betel sets and boxes, tea tray, medicine cups, belts and spittoons.

31. Gilded and Enameled in Blue. Water bowls, goblets, trays and covers, tea pot and tray, betel boxes and sets, toilet trays and set, cigar cases.

CLASS 607.

32. Silver Articles. Rice bowls and covers, laos bowls, betel trays and sets, tea trays, spittoons, water bowls, urns, pots, cups and covers, vases, belts, toilet service, picnic case and snuff box.

CLASS 608.

33. Enameled, Gilded, etc. Bowls, ladle, salvers, urns, water pitchers, toilet sets, betel sets, spittoons, basins, vases, cigarette case, medicine cup and tray.

34. Brass Utensils. Bowls and trays, fruit knives, seed picks, spittoons, eating services, water bowls and dippers, betel mortars and pestles, engraved bowls and trays, rice pots and ladle.

35. Copper Utensils. Rice pots, cake pans and water pots.

DEPARTMENT H.—MANUFACTURES.

36. **Pearl Inlaid Work.** Salvers, sacrificial trays, boxes, plaques, betel trays, spittoons, medicine chest, inlaid tablets, bowls, and cases.

CLASS 575.

37. **Pottery.** Earthen stoves, pots, pans, mortars, figures of animals, flower pots and sets of perfumery pots.

CLASS 635.

GROUP 101.

38. **Mattings.** Forty-eight mats of various sizes and materials.

GROUP 108.

39. Laos umbrella. 682

GROUP 110.

40. Lacquered boxes and bowls. 695

GROUP 111.

41. Tiger, leopard, deer, buffalo, cow, otter, armadillo, python, rays, rhinoceros and rabbit skins. 696

GROUP 113.

42. Siamese bow. 718

GROUP 119.

43. Gold-beaters' anvils and hammers, shears, tongs, wire mould, files, iron plane-knives for cutting and hulling the betel nut and for other uses.

DEPARTMENT L.

GROUP 151.

44. Collection of photographs and views. 871

GROUP 154.

45. Specimen sets of Siamese money. 897

GROUP 158.

46. Guitar, drums, tambourine, violins, gongs, cymbals, oboe, organ and harmonicas.

DEPARTMENT N.

GROUP 19.

47. **Siam.** Wax, etc.; shellac, cardamon, resinous exudations, dye woods gum, Benjamin, gall nuts, bird's nest, various roots, teak boards, knot of pradoo wood, burrel of Tabaak wood, specimens of Pradoo burrel, board of tamarind wood, end of squared teak log, log of Chingchan wood, marit wood, teak table logs, jack fruit wood, thirty specimens of Siam timber.
48. **Rattan Woods.** Varieties of rattan in coils, bundles, etc., and canes, rattan covers for glass.
49. **Bamboo Woods.** Fourteen varieties of bamboo woods and wood-working tools.

50. **Basket Work.** Trays, salvers, cigar stands, betel and tobacco boxes and 134 specimens of hamper, betel, market, rice, Burnese, flower, string, plat betel, drying deep and clothes baskets.

51. Native trees in wax. 113

GROUP 160.

52. **Siam.** Models of household utensils; models of houses; models of floating houses; models of palace landing forts and palace landing building; priests' fans, bags and garments.

53. **Malay Clothing.** Silk trousers, turban cloths, and silk jackets for men and women.

54. **Song Dam Laos.** Cotton scarfs and jackets for men and women; trousers.

55. **Luang Prat Bang Laos.**—Gold-threaded scarfs, skirts, quilts, bedspreads, and turban cloths.

56. **Puan Laos.** Men's and women's costumes.

57. **Lu Laos.** Woman's skirt, man's jackets and trousers, laos bags and napkins.

58. **Chiangmai Laos.** Gold embroidered and common skirts.

59. **Mons.** Indian hemp, raw and spun; various cloths, skirts, aprons, jackets, shoes and cap.

GROUP 172.

60. **Needle work.** Pillows, folding cushions, raised gold embroidery, tea cozs, silk Caps, silk embroidered standing Screens, silk hat covers, priest's bag and embroidered fruits, flowers, arms and historical scenes.

61. **Clay Modeling.** Women crouching, old woman, boys in costumes, girls in costumes, girls standing, man in holiday dress, old woman with cane, man sitting, man in shirt-sleeves, peasant, blind beggars, Chinese cooly eating, Chinaman at table, young woman on floor, old woman, boys, Siam, Chin boys, bracelets, etc., ornamental wall piece, table piece (shells), wall piece (quarrel), beggar and monkey, man and axe, plates of fish, plates of frogs, plates of birds, plates of chameleons, white rabbit, leopard, pair buffaloes, pair oxen, cat, small gold and silver articles and rings.

62. **Wax.** Model of a palace.

63. **Bead work.** Baskets, betel tray and set of nine pieces, tea cozy, biscuit box, bucket, small cups, flowers, game, photograph frames, chess board and set and saka board and set.

64. **Silk Clothing.** Panungs of silk, gold and embroidered and gold and silver threaded, panungs, silk sarongs, chantaboon, silk bed spreads, creased scarfs, silk scarfs, bathing clothes, a prince's gold and silver state robe girdle, silver and gold pantalettes, nobleman's robe, girdle and doublets, princess' shawls the queen's scarf, silk and gold lace shawls, silk crape rajkots, red silk girdles, children's silk belts, gold-threaded money bags, betel pockets, gold lace aprons, tobacco pouches, gold lace bat cover.

SWEDEN.

GROUP 87.

1. Jönköpings Tändsticksfabriks Aktiebolag, Jonköping. Matches and materials. 550
2. Kritbruksbolaget i Malmo, Malmo. Chalk. 544
3. Skanaka Attikfabriken, Perstorp.
 - a Organic and mineral acids. 543
 - b Chemists' and druggists' wares and supplies. 548
4. Sodertelje Tändsticksfabrik, Sodertelje. Matches. 550
5. Tändsticksfabriks Aktiebolaget Vulcan, Gothenburg. Matches and flaming lights. 550

GROUP 88.

6. Aktiebolaget Barmangens Tekniska Fabrik, Stockholm. Inks. 552
7. Tekniska Aktiebolaget Flora i Gefle, Gefle. Inks. 552

GROUP 89.

8. Anderson. N. B., Stockholm. Book-covers. 561
9. Beck, F., & Son, Stockholm. Articles of leather-intarsia. 561
10. Engstrand, Sophie, Stockholm. Samples of ruling, type-setting and hand printing. 561
11. Gustafsfors Fabrikens Aktiebolag, Gustafsfors. Wrapping paper. 558
12. Hedberg, Gustaf, Stockholm. Leather book-covers, cases, etc. 561
13. Herzog's, P., Bokbinderi och Bokforlags Aktiebolag, Stockholm. Bound hymn-books. 561
14. Holmens Bruks & Fabriks Aktiebolag, Norrköping. Paper. 560
15. Lindmansson, J. A. W., Stockholm. Book-covers. 561
16. Munksjö Aktiebolag, Jönköping.
 - a Building boards and paper. 557
 - b Wrapping paper. 558
17. Munktells, J. H., Pappersfabriks Aktiebolag, Grycksbo. Filter-paper; samples and pulp. 556
18. Nilsson, Vitalis, Stockholm. Specimens of book-binding. 561
19. Tengwall, Andr., Helsingborg. Letterfile, index, and copying book. 564

GROUP 90.

20. Ahrberg, Ebba, Upsala. Curtains. 568
21. Andersson, Aug., Stockholm. Mirror and picture frame. 569
22. Aktiebolaget, J. O., Wengstroms Mekaniska Snickerifabrik, Stockholm. Parquet floor and panel. 571
23. Almgren, J. R., Stockholm. Secretaire and fire-side settle. 567
24. Atvidaberg Snickerifabrik, Atvidaberg. Oak parquet floors and panel. 571
25. Beckman, Axel, Norrköping. Furniture. 567
26. Berg, Edv., Stockholm. Painted ceiling. 571

27. Bodafors Stol och Mobelfabrik, Sandsjo. Furniture. 567
28. Brunsson, Johanna, Stockholm. Portiere and table cover. 568
29. Erikson Bros., Arvika. Wardrobe and covered writing table. 567
30. Gahne Hedda, Stockholm. Curtains and technics. 568
31. Goransson, Ellen, Ystrad. Scanian textile fabric. 568
32. Johansson, C. A., Wexio. Chest of drawers of antique design. 567
33. Johansson, Carl O., Stockholm. Furniture. 567
34. Kulle, Thora, Lund. Portieres, tapestries, etc., of Scanian textures and designs. 568
35. Lofgren, A. W., Orebro. Cabinet in renaissance style. 567
36. Lofmark, L. O., Stockholm. Cabinet, clock case, panels, etc. 572
37. Mattsson, A., Stockholm. Furniture. 572
38. Olsson, Cilluf, Kjöfings. Portieres, etc., of Scanian texture and design. 568
39. Scholander, Sv., Stockholm.
 - a Plaster mantel-piece. 570
 - b Stucco ceiling. 571
40. Scholdstrom, Otto, Stockholm. Furniture. 567
41. Schönnow, C. L., & Co., Stockholm. Plaster-work and-gilded door and panel. 670
42. Svensk Konstslöjd Utställning, Stockholm.
 - a Furniture in sixteenth century style. 657
 - b Portiers, etc. 568
43. Svenska Stådföreningen, Stockholm. Suites of furnished rooms, showing development of art industry. 572
44. Svensson, C. P., Stockholm. Book and clock cases; sofa. 572
45. Widen, C. O. F., Stockholm.
 - a Writing table. 566
 - b Church altar. 572

GROUP 91.

46. Bellio, Antonio, Stockholm. Table-top of mosaic work. 580
47. Ekstam, Josephine, Stockholm. Painted porcelain; pyrotypic ornamented objects. 577
48. Hoganas Stenkolsbolag, The Sound.
 - a Brick and terra cotta articles. 574
 - b Pottery. 575
 - c Fancy articles. 576
49. Kardell, Maria, Stockholm. Porcelain vase. 577
50. Kohler, T. G., Borringe. Bricks and and ornamental tiles. 574
51. Minnesbergs Tegelbruks Aktiebolag, Minnesberg. Bricks and terra cotta ware. 574
52. Rorstrands Aktiebolag, Stockholm. Earthenware; porcelain, etc. 576

DEPARTMENT H.—MANUFACTURES.

53. Skromberga Stenkols & Lercindustri Aktiebolag, Ekeby. Tiles and bricks; ornaments; pipes and chimneys. 574
 54. Wallakra Stenkols Aktiebolag, Bille-sholm. Fire-bricks. 574

GROUP 92.

55. Gossaters Stenhuggeri Aktiebolag, Gossater. Mantel. 583
 56. Grafversfors Stenhuggeri och Sliperi, Grafversfors. *a* Granite monuments. 581
b Granite ornaments. 582
 57. Lundberg, Th., Stockholm. Mantel decoration. 583
 58. Melkerssöns, J. A., Porfyrverk, Orsa. Porphyry ornaments. 582

GROUP 93.

59. Beskow, Bernhard, Gothenburg. Buckler. 585
 60. Carlstein, P. A., Soderkoping. Brass lamp and bronze ornaments. 585
 61. Husgvarna Vapenfabriks Aktiebolag, Jönköping. Decorative arms. 585
 62. Norrstrom, C., Hj., Stockholm. Vases, bucklers and cabinets with steel etchings. 585
 63. Wiklund, W., Stockholm. Iron bracket lamps. 585

GROUP 94.

64. Reijmyre Bruks Aktiebolag, Reijmyre. *a* Glassware for chemists. 590
b Table glassware. 592
c Fancy glassware. 593

GROUP 96.

65. Aktiebolaget Universal-Svarfveriet, Stockholm. Carved umbrella and parasol handles. 598
 66. Aman, Emy, Linköping. Carved cabinet. 598
 67. Dikman, August, Falun. Carved wood album. 598
 68. Düben, Hertha Louisa von, Stockholm. Wood carving. 598
 69. Frisk, Elisabeth, Stockholm. Cabinet and easel with portfolio. 598
 70. Johnsson, Hanna, Stockholm. Carved chest, album and portfolio. 598
 71. Monthan, Maria, Stockholm. Carved chair and chest; carved wood articles. 598
 72. Netzel, Sigrid, Stockholm. Carved box. 598
 73. Reijmyre Bruks Aktiebolag, Reijmyre. Exhibition cups for museums. 602
 74. Söderberg, Euphemia, Stockholm. Carved box and portfolio. 698
 75. Svensk Konstslöjd Utställning, Stockholm. Carved articles. 598

GROUP 97.

76. Carlstein, P. A., Soderkoping. Silver toilet articles. 607
 77. Eriksson, Christian, Arvika. Silver cup and cane head. 607
 78. Green, C. E., Norregard. Fancy spoons and engraved articles. 607
 79. Guldsmedsaktiebolaget, Stockholm. Silver tableware. 605

80. Hallberg, C. G., Stockholm. *a* Copy of cup given to Gustavus Adolphus by Nuremberg Protestants. 604
b Toilet set and cups; historical spoons. 607

81. Menkaw, Anna, Stockholm. Drinking cup and goblets of copper britannia metal. 608
 82. Mollenborg, Gustaf, Stockholm. *a* Gold and silver articles. 604
b Silver tableware. 605
 83. Santesson, Fr. Abr., Stockholm. Candle-sticks, drinking-cups, goblets, etc., of pewter and britannia metal. 608

GROUP 98.

84. Carlman, C. F., Stockholm. Collections of stars of Royal Swedish Orders of Knighthood. 616
 85. Hallberg, C. G., Stockholm. Silver-gilt jewelry in Swedish national style. 616

GROUP 99.

86. Halda Tickurfabriks Aktiebolag, Svängsta. Watches and parts. Timing apparatus. 617
 87. Linderöth, G. W., Stockholm. Clocks and chronometers. 621

GROUP 100.

88. Almgren, K. A., Stockholm. Upholstery silk. 629
 89. Jonsson, Mrs. Hilma, Stockholm. Silk under-bodies. 630
 90. Lennings, John Vafskola, Norrköping. Upholstery silk; silk wall covering. 629

GROUP 102.

91. Askenstrom, Catharina, Svenstorp. Unbleached cloth. 638
 92. Brunsson, Johanna, Stockholm. Linen damask table cover. 639
 93. Engestrom, Nina v., Upsala. Tablecloths, napkins, towels, aprons and carpet. 639
 94. Handarbetets Vanner, Stockholm. Counterpanes. 339
 95. Kulle, Thora, Lund. Cotton aprons. 638
 96. Olsson, Christina, Walla. Linen yarn. 639
 97. Olsson, Cilluf, Kjöfvinge. Linen floor cloths. 639
 98. Sparre, Caroline, Westervik. Linen yarn. 639
 99. Sparre, Sophie, Westervik. Linen yarn. 639

GROUP 103.

100. Olsson, Cilluf, Kjöfvinge. *a* Blankets. 642
b Woolen carpet. 649
 101. Handarbetets Vanner, Stockholm. *a* Upholstery goods. 646
b Carpets. 649
 102. Bengtsson, Karna, Ystad. Carpets, technics. 649
 103. Kulle, Thora, Lund. Woolen stuffs; woolen aprons. 641
 104. Lindgren, Annie, Stockholm. Carpets and technics. 649

SWEDEN.

GROUP 104.

105. Husgvarna Vapenfabriks Aktiebolag, Jönköping. Sewing machines. 659

GROUP 105.

106. Ternlund, A., Stockholm. Bear's skin. 660
 107. Forssell's, D., Sons & Co., Stockholm. *a* Carriage covers, fur rugs, etc. 661
b Fur garments. 662

GROUP 106.

108. André, Wilhelmina, Stockholm. Knitted coverlet. 665
 109. Askenstrom, Catharina, Svenstorp. Scanian pillow-lace. 664
 110. Fickerman, Lilli, Sköfde. Embroidered cushion and tablecloth. 665
 111. Handarbetets Vanner, Stockholm. *a* Embroideries. 665
b Tapestries. 670
 112. Hebbe, Hulda, Stockholm. Artificial flowers. 666
 113. Möller, Sara, Stockholm. Knitted shawls. 665
 114. Nilsson, Emilie, Wermland. Linen towels; "shepherd girl's work." 665
 115. Nordenfalk, Elisabeth, Stockholm. *a* Imitation Venetian lace. 664
b Imitation Venetian lace fans. 667
 116. Nordenfeldt, Maria, Gothenburg. Screen; silk embroidery. 669
 117. Nordgren, Johanna, Gefle. Knitted counterpanes. 665
 118. Norrman, Hilda, Gelfsborg. Hemstitched sheets. 665
 119. Osterholm, A., Norrköping. Vadstena and pillow-lace. 664
 120. Risling, Maria, Nassjo. Lace border for handkerchief. 664
 121. Rönstrom, Hilda, Lund. Embroideries. 665
 122. Rudbeck, Hildur, Upsala. Hearth cushion. 669
 123. Stange, Elisabeth, Stockholm. Guipure workcloth. 665
 124. Svensk Konstslöjd Utställning, Stockholm. Embroidery, Lapp-costume, wall hangings, table covers, cushions. 669
 125. Uhlén, Ebba, Wadstena. Thread buttons. 668

GROUP 110.

126. Ekstam, Josephine, Stockholm. Fancy articles of wood and leather. 695
 127. Kroepflen, Emma, Stockholm. Dolls in national costumes. 693
 128. Santesson, Fr. Abr., Stockholm. Toys. 693

GROUP 111.

129. Lindberg, Lydia, Stockholm. Embossed leather for chairs. 705
 130. Nordquist, Marianne, Stockholm. Embossed leather album. 705
 131. Wrede, Hilda, & Agathe, Wexio. Embossed and gilt leather covering for chair. 705

GROUP 113.

132. Aktiebolaget Bofors Gullspang, Bofors. Ingots and shot for cannon; war materials. 716
 133. Aktiebolaget Finspongs Styckebruk, Skonnarbo. Mounted cannon and shot. 716
 134. Fagersta Bruks Aktiebolag, Westanfors. Gun barrels. 714
 135. Husgvarna Vapenfabriks Aktiebolag, Jönköping. *a* Military small arms. 714
b Hunting carbines and guns. 718
 136. Jernkontarets Kollektivutställning, Stockholm. *a* Military small arms. 714
b Heavy ordnance. 716
 137. Svalling & Co., Mölntorp. Cut and thrust weapons. 717

GROUP 114.

138. Meyer, Otto, & Co., Stockholm. Candelabra of gilt bronze, and electrolier. 722

GROUP 115.

139. Svensson, J. V., Stockholm. Oil cooking range and soldering heater. 729
 140. Wiman, E. A., Stockholm. *a* Gas stove. 728
b Petroleum stove. 729

GROUP 117.

141. Aktiebolaget Finspongs Styckebruk, Skonnarbo. Wire netting and wire cloth. 735
 142. Jernkontarets Kollektivutställning, Stockholm. Wire cloth. 735

GROUP 118.

143. Aktiebolaget Finspongs Styckebruk, Skonnarbo. Horse shoes. 746
 144. Degerfors Jernverk, Degerfors. Articles of sheet iron. 744
 145. Jernkontarets Kollektivutställning, Stockholm. Horse shoes and crude forgings. 746
 146. Surahammars Bruk, Aktiebolag. Bowls of pressed steel plates for milk separators, etc. 746

GROUP 119.

147. Aktiebolaget Finspongs Styckebruk, Skonnarbo. *a* Nails, tacks, etc. 747
b Axes and implements for lumber industry. 748
c Tools for working stone. 749
d Files. 750
e Sledges. 752
 148. Aktiebolaget Osterby Bruk, Osterby. Blanks for machines and tools. 752
 149. Berg, E. A., Eskilstuna. Razors, etc. 751
 150. Dahlgren, Carl W., Eskilstuna. Scissors, razors and case knives; skates. 751
 151. Engstrom, Joh., Eskilstuna. Razors and knives. 751
 152. Eskilstuna Jernmanufaktur Aktiebolag, Eskilstuna. Table cutlery and shears. 751
 153. Fagersta Bruks Aktiebolag, Westanfors. Sledges, springs and tools. 752

DEPARTMENT H.—MANUFACTURES.

- | | |
|--|---|
| 154. Forsbacka Jernverks Aktiebolag, Forsbacka. Tools. 752 | 167. Soderfors Bruks Aktiebolag, Soderfors.
a Files. 750
b Tools. 752 |
| 155. Hallstroms Hadar Kniffabriks Aktiebolag, Eskilstuna. Pocket knives. 751 | 168. Sorensen, N. G., Stockholm. Locks and door handles. 747 |
| 156. Hadengran & Son, Eskilstuna. Pocket knives. 751 | 169. Stenman, Aug., Eskilstuna. Builders' hardware. 747 |
| 157. Halling, A., Eskilstuna. Daggers and knives. 751 | 170. Stora Kopparbergs Bergslags Aktiebolag, Falun.
a Horse shoe nails. 747
b Tools. 752 |
| 158. Heljestrand, C. V., Eskilstuna. Razors. 751 | 171. Stridsberg & Biorck, Trollhattan.
a Machine and plane knives. 749
b Saws and files. 750 |
| 159. Hults Bruk, Aby. Axes. 748 | 172. Uddeholms Aktiebolag, Uddeholm.
a Screws, wire nails, steel springs, horse shoe nails, etc. 747
b Sledges, hammers, locksmiths' anvils, etc. 752 |
| 160. Jernkontarets Kollektivutställning, Stockholm.
a Builders' hardware. 747
b Axes, adzes, etc. 748
c Edge tools of various descriptions. 749 | GROUP 120. |
| 161. Jonsson, A. J., Eskilstuna. Pocket knives. 751 | 173. Hoganas Stenkolsbolag, Skone. Pipes, tubes and troughs. 754 |
| 162. Liljequist, P., Eskilstuna.
a Blades for planing machines. 749
b Saws. 750 | 174. Skromberga Stenkols Aktiebolag, Ekeby. Sewer pipes. 754 |
| 163. Lindstrom, E. F., Eskilstuna. Tongs. 752 | GROUP 121. |
| 164. Næsman, E. A., Eskilstuna. Locks and door handles. 747 | 175. Strindberg, A. G., Stockholm. Flags with flag-staffs and acorns. |
| 165. Oberg, C. O., & Co., Eskilstuna. Files and rasps. 759 | 176. Liljeblad, A. G., Stockholm. Painted escutcheons for decoration. |
| 166. Sandvikens Kernverke Aktiebolag, Sandviken.
a Band saws and uncut bands 750
b Anvils. 752 | |

SWITZERLAND.

GROUP 87.

1. Andrea, Ph., Berne. Pharmaceutical products. 547
2. Society of Chemical Industry, Basle. Chemicals. 546

GROUP 94.

3. Falconnier L., Ryon. Glass-bricks for building purposes. 591

GROUP 95.

4. Kreuzer, Ad., Zurich. Stained-glass windows. 596

GROUP 96.

5. Althaus & Cie, Meiringen. Wood carvings. 598
6. Abegglen-Seiler, Iseltwald. Wood carvings. 598
7. Abplanalp, Joh, Brienz, Wood carvings. 598
8. Abplanalp, Jakob, Brienz. Wood-carvings. 598
9. Amacher, Peter, Brienzwyler. Wood carvings. 598
10. Baumann, Andreas, Brienz. Wood carvings. 598
11. Binder, Ed., & Co., Brienz. Wood carvings. 598
12. Ecole de Sculpture, Brienz. Wood carvings. 598
13. Flück, Peter, Hofstetten. Wood carvings. 598
- 13a. Flück, Peter, Schevanden. Wood carvings. 598

14. Fuchs, Caspar, Brienz. Wood carvings. 598
15. Fuchs, Peter, Brienz. Wood carvings. 598
16. Gander-Ludi, Brienz. Wood carvings. 598
17. Gertsch, Joh, Hofstetten. Wood carvings. 598
18. Grossman, A., Interlaken. Wood carvings. 598
19. Huggler-Jager, Brienz. Wood carvings. 598
20. Huggler, Joh., Brienz. Wood carvings. 598
21. Hunziker, Jak., Brienz. Wood carvings. 598
22. Knittel, Otto, Meiringen. Wood carvings. 598
23. Kehrli, Joh., Mühlealden. Wood carvings. 598
24. Kehrli-Michel, Bönigen. Wood carvings. 598
25. Michel, Christian, Ringgenberg. Wood carvings. 598
26. Michel-Grossman, Brienz. Wood carvings. 598
27. Michel, Peter, Bönigen. Wood carvings. 598
28. Michel-Wütrich, Brienz. Wood carvings. 598
29. Müller, Karl, Hofstetten. Wood carvings. 598
30. Rachelli, Bönigen. Wood carvings. 598

SWITZERLAND.

31. Roggero, Ernst, Brienz. Wood carvings. 598
32. Ruof, Peter, Brienz. Wood carvings. 598
33. Schild, Gebrüder, Hofstetten. Wood carvings. 598
34. Schmidiger, Joseph, Brienz. Wood carvings. 598
35. Schmidiger, Anton, Brienz. Wood carvings. 598
36. Schneiter, Joh, Brienz. Wood carvings. 598
37. Schwalb, Brienz. Wood carvings. 598
38. Simon, Christoff, Brienz. Wood carvings. 598
39. Société pour l'Industrie de la Sculpture, Brienz. Wood carvings. 598
40. Stahl, Kaspar, Brienz. Wood carvings. 598
41. Wick, Jak., Brienz. Wood carvings. 598
42. Zumbrunn, Chr., Ringgenberg. Wood carvings. 598
43. Zumbrunn, Peter, Ringgenberg. Wood carvings. 598
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44. Chopard, Adhémar, Bienne. Jewelry. 612
45. Ferrero, J., Geneva. Jewelry. 612
46. Glatou, A., Geneva. Jewelry. 612
- GROUP 99.**
47. Bachmann, L., Geneva. Watches. 617
48. Bähni & Cie, Bienne. Hair Springs. 618
49. Baume, Alcide, Les Bois. Watches. 617
50. Borel & Courvoisier, Neuchatel. Watches. 617
51. Borgel, F., Geneva. Watches. 617
52. Borloz & Noguét-Borloz, Vallorbes. Files. 620
53. Boulanger, Maillard & Cie, Geneva. Watch dials. 618
54. Chatelain, Fritz, Neuchatel. Watches. 617
55. Clémence-Beurret, Eugène, La Chaux-de-Fonds. Watches. 617
56. Couleru-Meuri, Ch., La Chaux-de-Fonds. Watches. 617
57. Dégallier, C., Geneva. Watches. 617
- 57a. Dedesheim, Alb. & freres, St. Imier. Watches. 617
58. Ditisheim, Maurice, La Chaux-de-Fonds. Watches. 617
59. Droz-Jeannot fils, Les Brenets. Watches. 617
60. Droz & Cie, St. Imier. Watches. 617
61. Dufaux, Ch., Geneva. Hair Springs. 618
62. Francillon, Ernest, & Cie, St. Imier. Watches. 617
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63. Golay-Leresche, A., & fils, Geneva. Watches. 617
64. Graizely, Arthur, La Ferrière. Watches. 617
65. Grobet, frères, Vallorbes. Files. 620
66. Guye, P., & Cie, Geneva. Hair springs. 618
67. Herzog, A., Geneva. Mainsprings. 618
68. Jacoby & Cie, Geneva. Watches. 617
69. Jeanneret, Alb., & frères, St. Imier. Watches. 619
70. Jeanneret, G., & E. Kocher, La Chaux-de-Fonds. Watches. 617
71. Jürgensen, J. Alfred, Le Locle. Watches. 617
72. Junod, L. E., Lucens. Jewel holes stones. 618
73. Klingelfuss, Fr., Basel. Watches. 617
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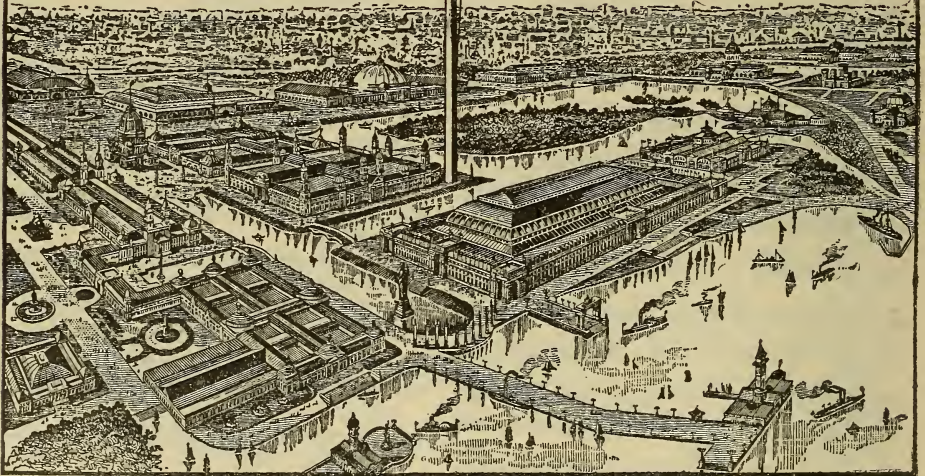
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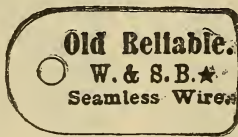


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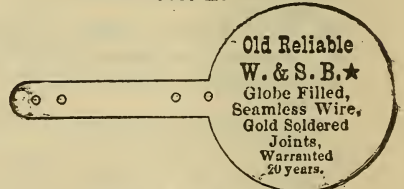
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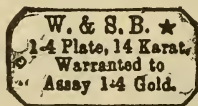
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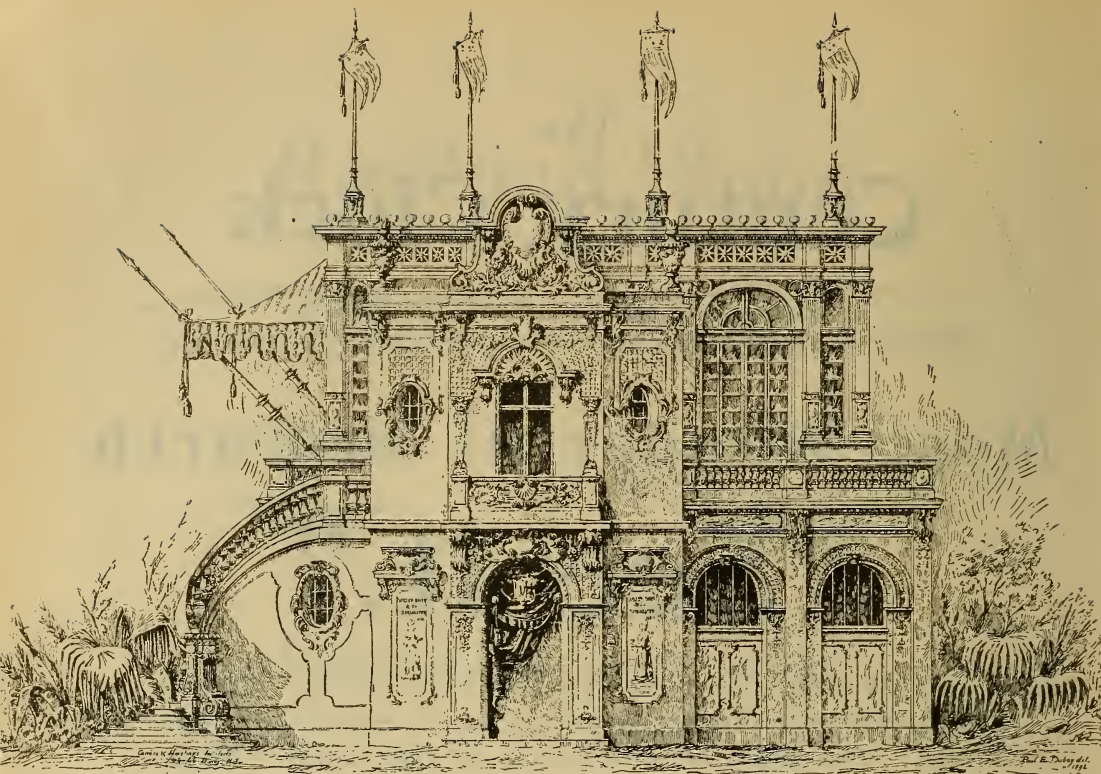
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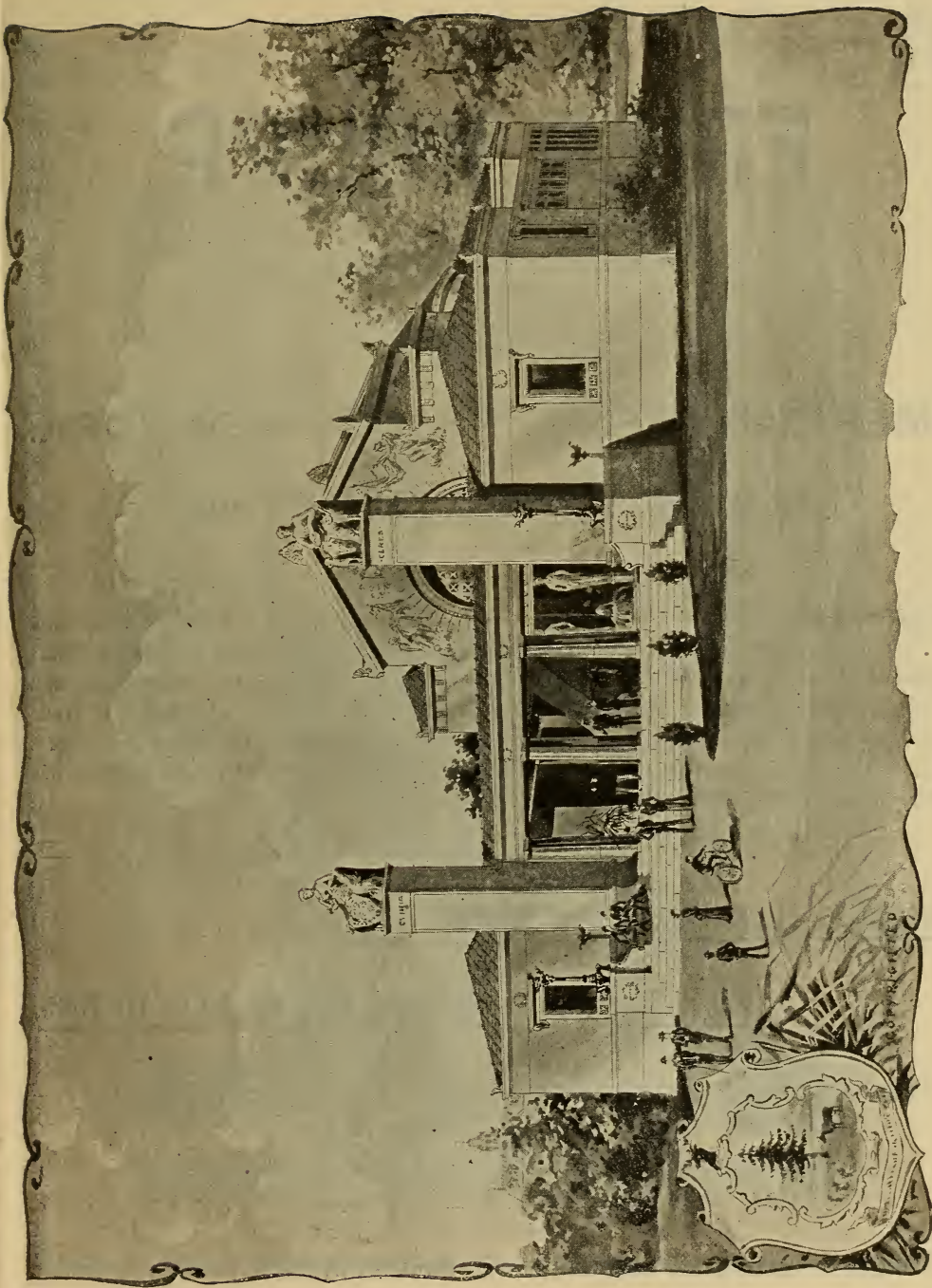


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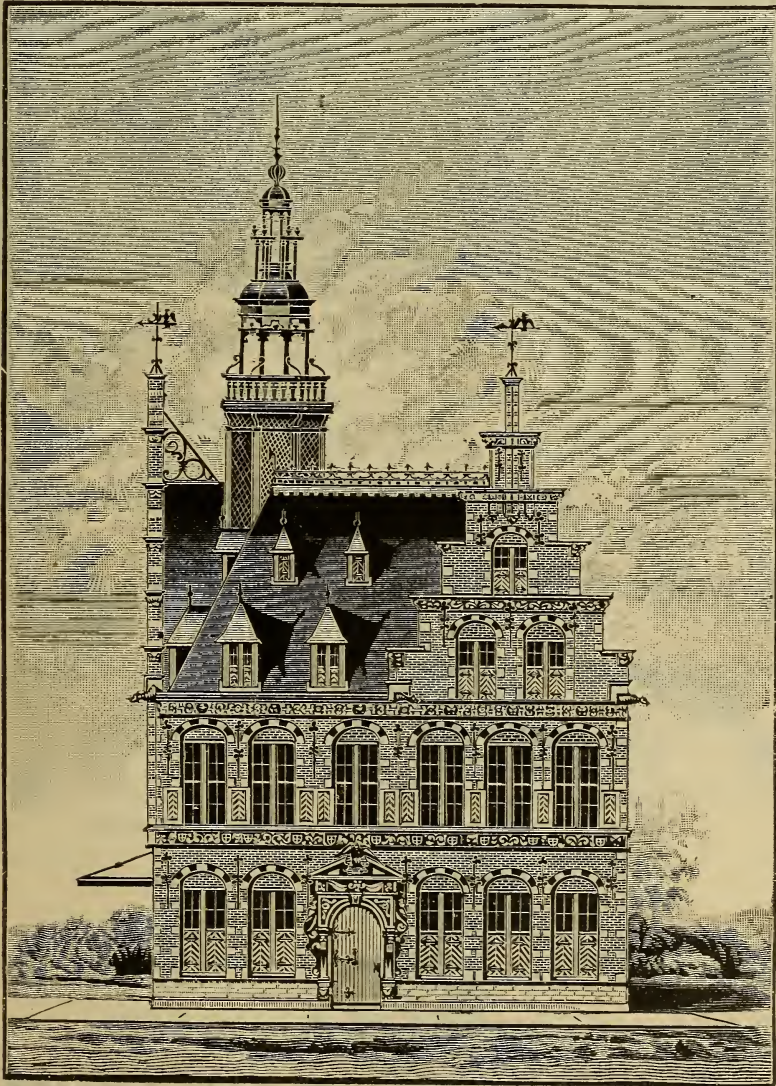
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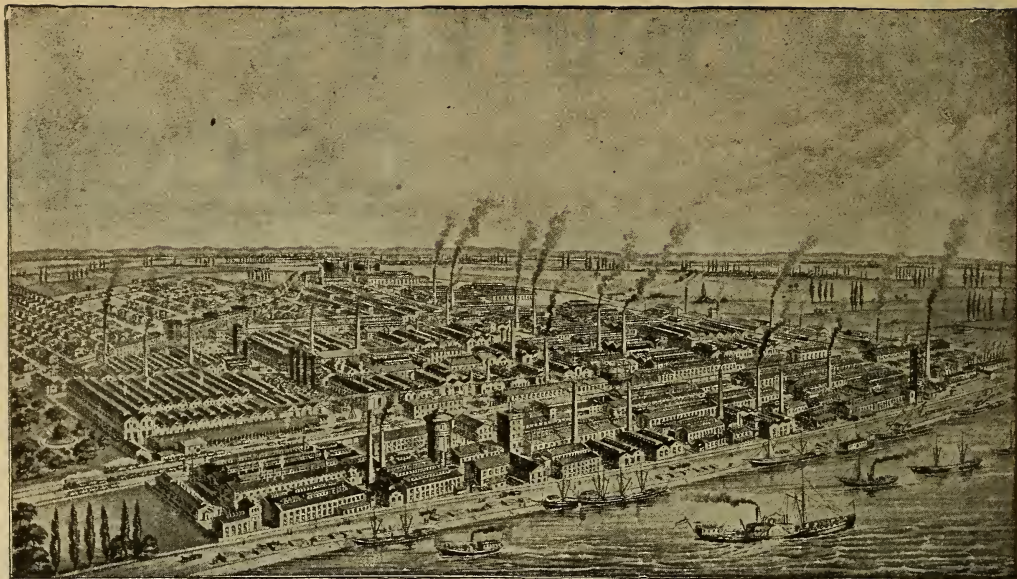
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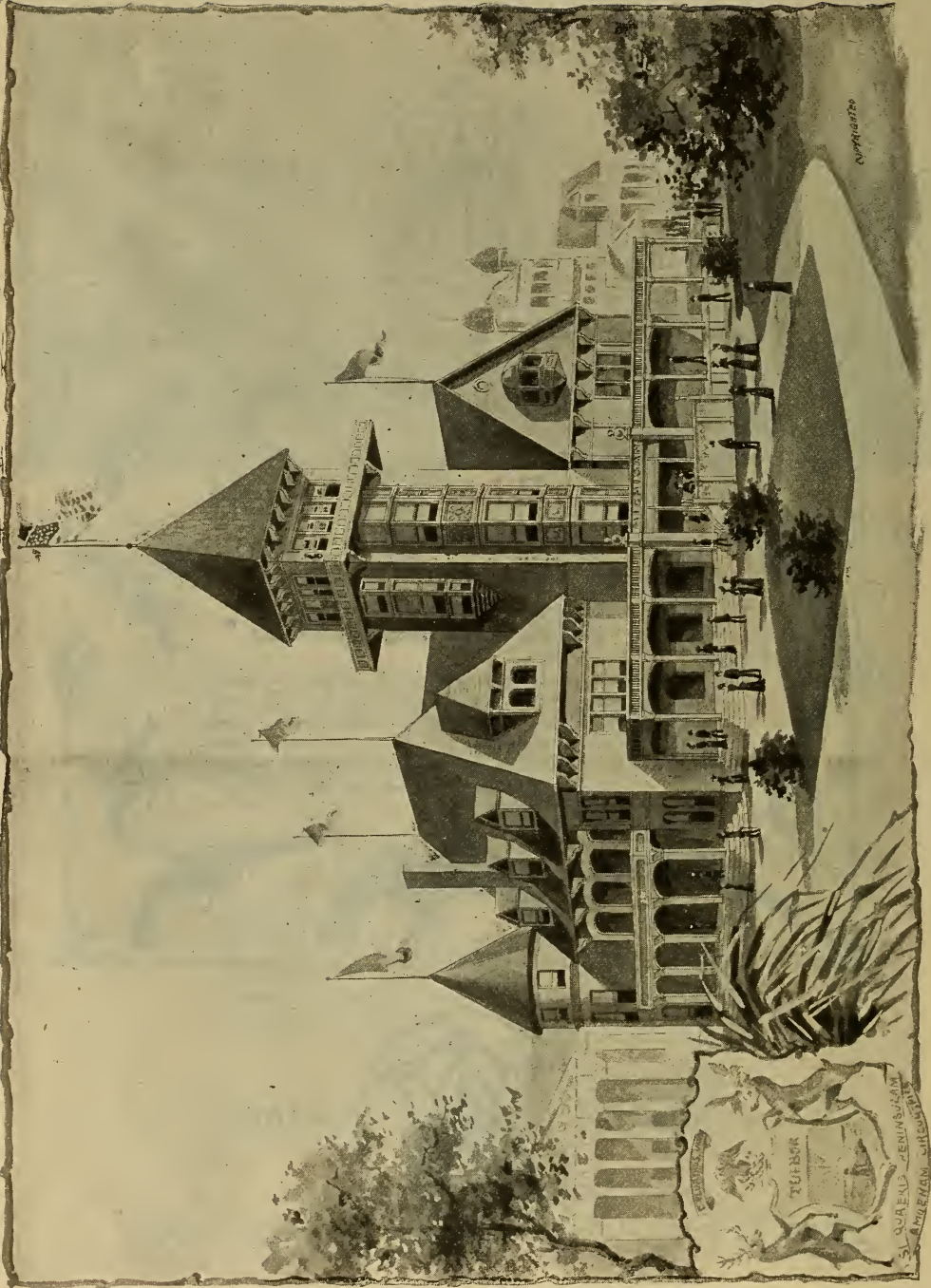
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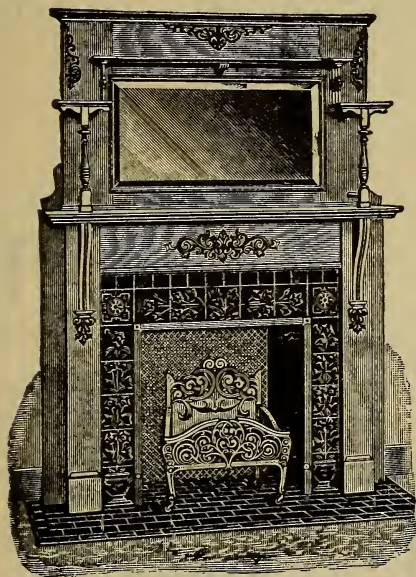
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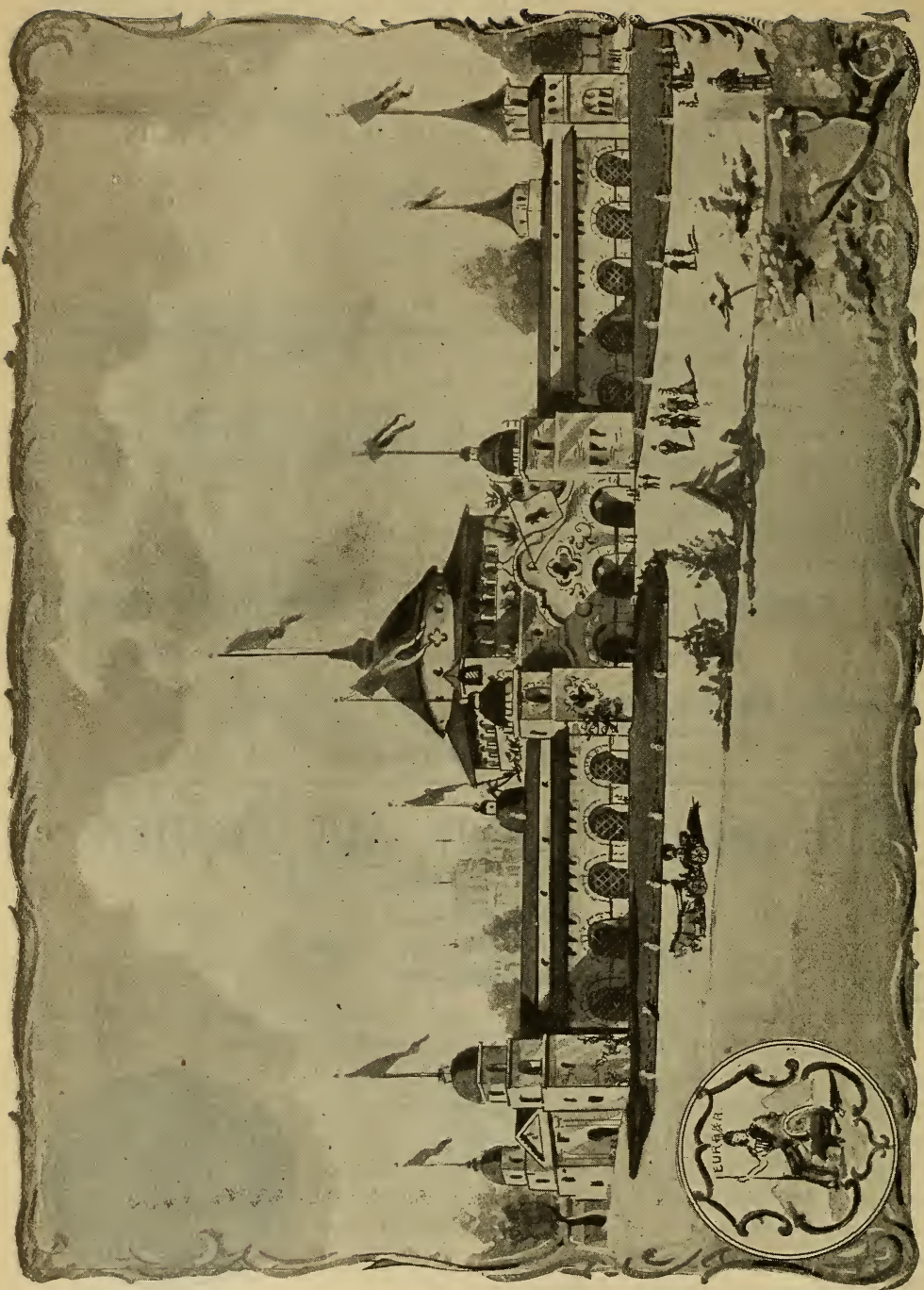
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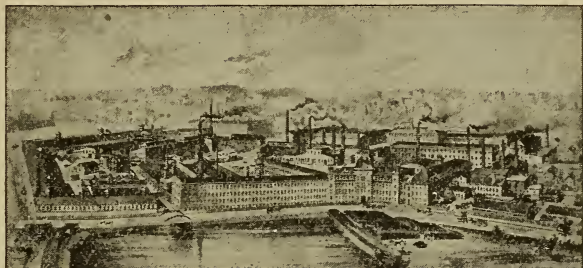
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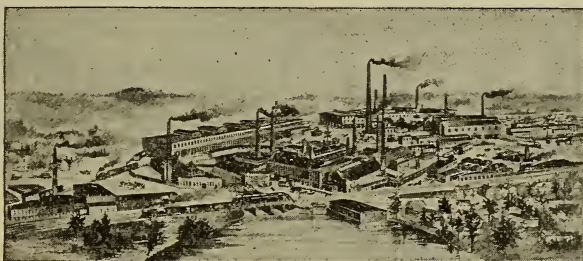
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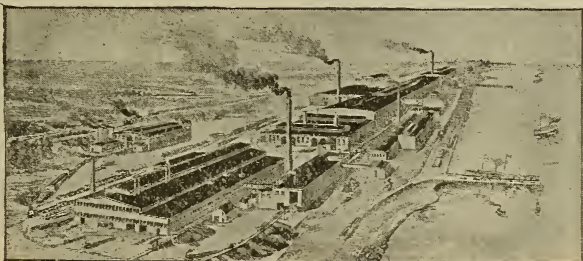
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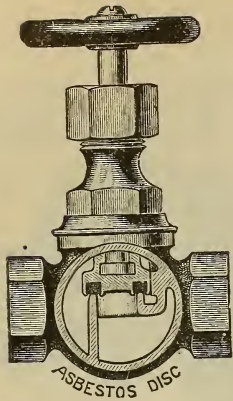
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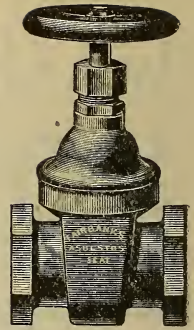
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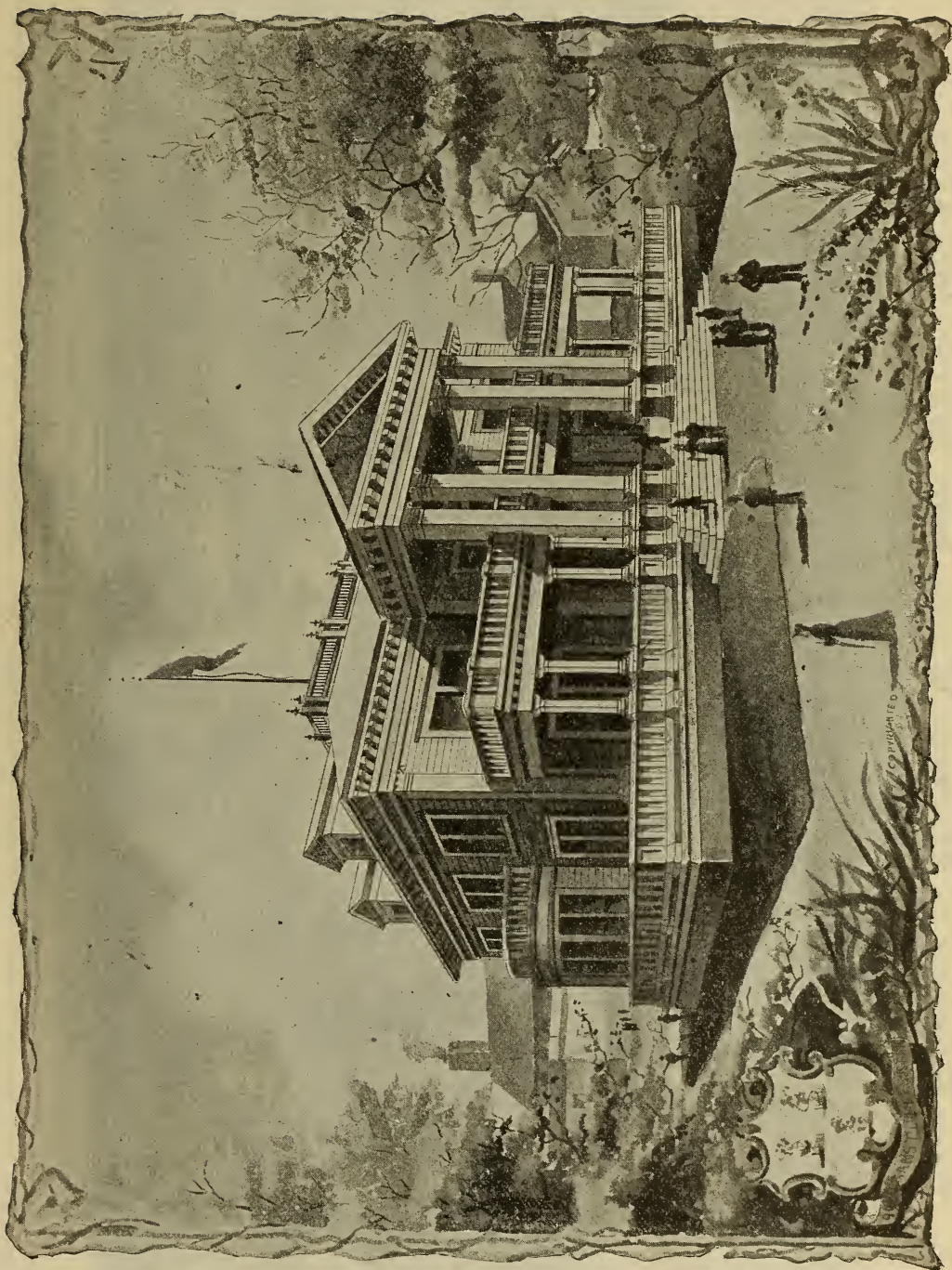
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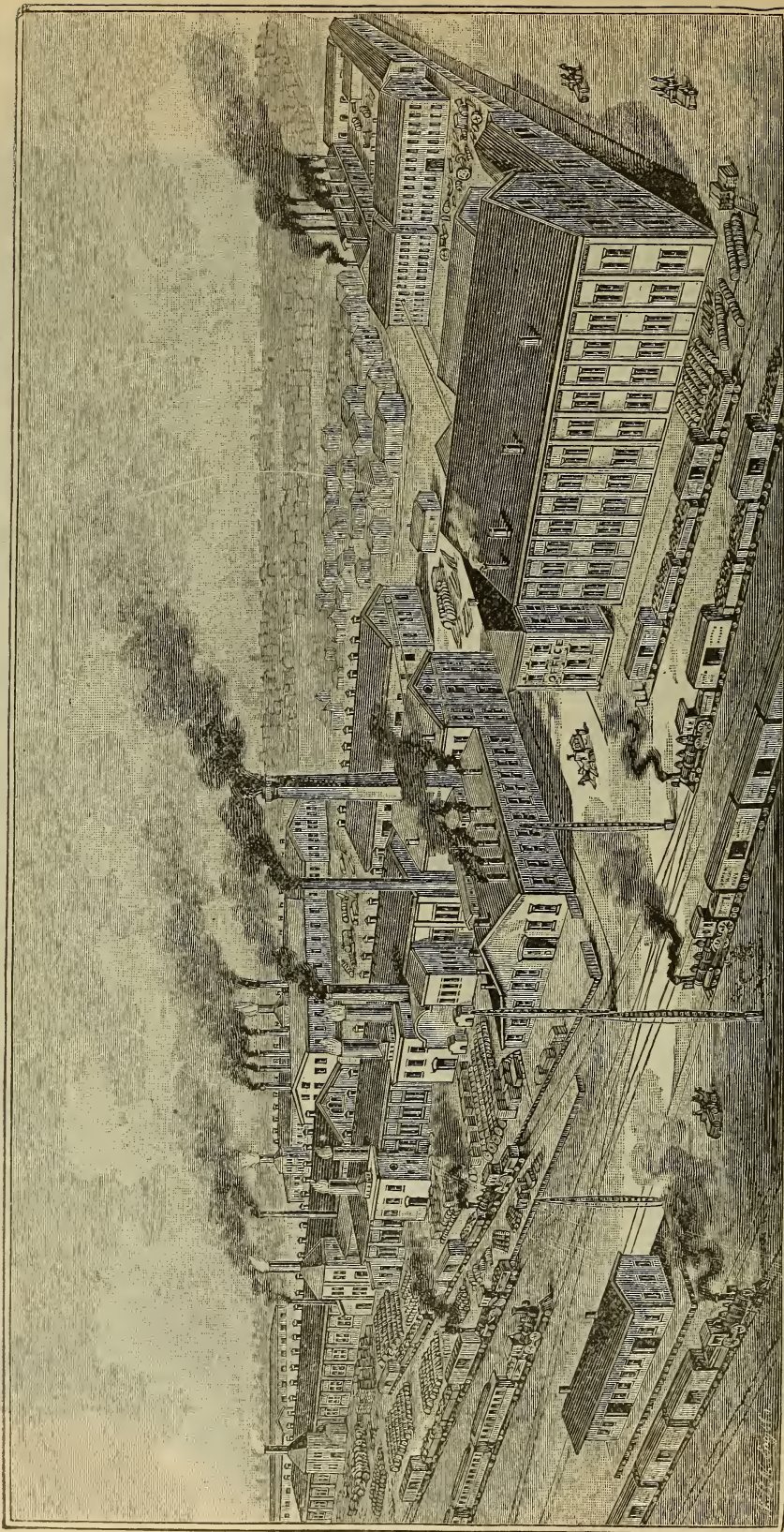
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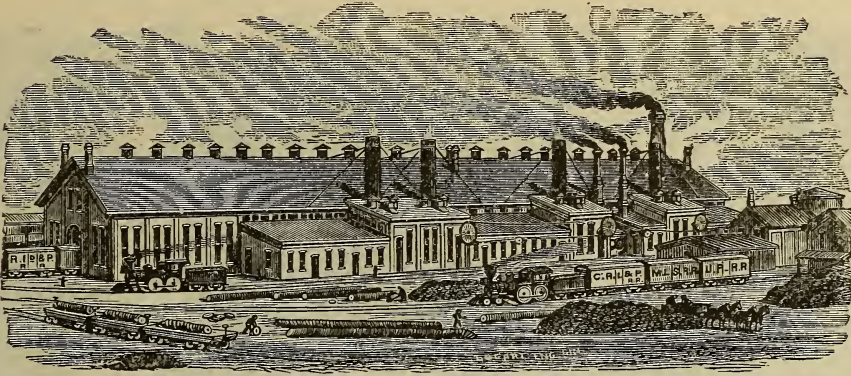
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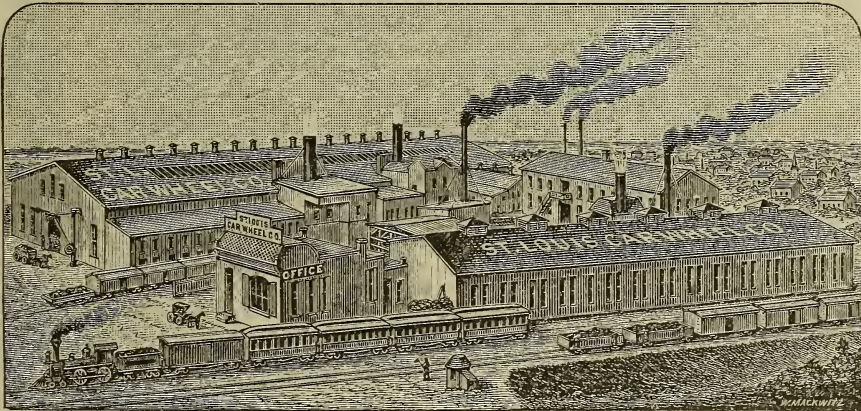
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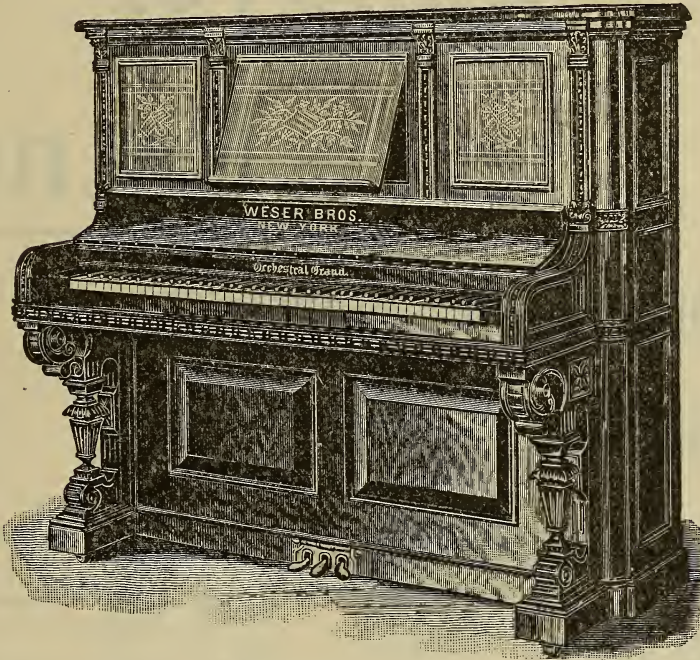
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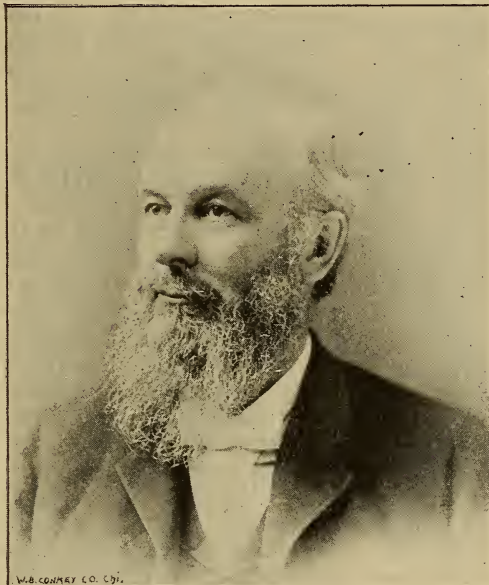
DEPARTMENT L--LIBERAL ARTS.

THE mass of visitors to the Fair come by rail and alight at the central point of the grounds in front of the Administration Building. Thence moving toward the lake, they pass along the broad esplanade, having on their right, first, Machinery Hall, then the Hall of Agriculture; on their left, the Hall of Mines, the Hall of Electricity; then they come to the splendid façade of the Main Building, nearly 800 feet in length, upon which appears the inscription "To the Liberal Arts."

In this department are found exhibits pertaining to education, hygiene, sanitation, charities, medicine and surgery, literature, books, libraries, journalism, physical science, engineering, architecture, government and law, commerce, social and religious organizations, music and the drama. As the central idea of the Exposition is to educate by making all displays exponents of the world's advancement, no department affords greater interest to the visitor than that of the Liberal Arts. The department occupies nearly the whole of the second or gallery floor of the grand building fronting the lake called the building for Manufactures

and Liberal Arts. Two of its bureaus are located in the Building. The Anthropological Music Hall at the grand basin and opposite the entrance of the Choral Hall, wooded island, are also included in this department.

Each succeeding World's Fair, beginning with that held in London in 1851, has been the schoolmaster of the nations. No other influence has been so extensively active. This is because each national exponent of that ment. The nation which has borne the palm of vic-tory is that whose progress in educa-tion, taken in its broadest and full-most sense, has been most pronounced. Recognizing these truths, the promoters of the World's Columbian Expo-sition have given to education a position of high prominence in the center of interest and in the grand-est of all the great structures. Here



S. H. PEABODY, CHIEF.

Education is surrounded by her hand-maids—Music, Science, Literature, Charity, Religion—and these, grouped together, as by their nature is most fitting form the constellation of the Liberal Arts. These are the arts whose advancement has made the closing century glorious, and has made all mankind free in the light of truth and law and liberty. Very earnest expressions of demand for a separate building for Liberal Arts, or for education alone, were presented from all sections of the country before the opening of the Exposition, but a careful consideration of all the conditions has led those directly connected with the department to the belief that the present solution of the question is satisfactory, as the amount of space provided is fairly adequate, as compared to that given to other departments; its position is central, convenient, dignified and worthy, and its location, in one entire end of the great Manufactures Building, is much to be preferred above any which would have placed the department

away from immediate association with the remainder of the Exposition—a contingency that most likely would have arisen if a separate and distinct building had been provided. This question was carefully considered by the Board of Control and an appropriation for an Educational Building was made in response to urgent requests from many educators throughout the land. An eligible site for such a building was carefully sought for but could not be found, and the purpose to erect a separate structure was abandoned, not from any lack of appreciation of the department of the Liberal Arts, or from want of interest in its work, but wholly as a matter of expediency.

The department includes twelve distinct and separate groups. The exhibits of the first group are divided between two bureaus, that of Hygeine and Sanitation, and that of Charities and Correction, and are installed in the Anthropological Building. The subjects cared for by the Bureau of Hygeine are the nursery and its accessories; athletic training and exercise; gymnasiums; food supply and its distribution; representations of dwellings and buildings characterized by the conditions best adapted to health and comfort; sanitary appliances and methods for dwelling houses, buildings and cities; hygiene of the workshop and factory, modified from that of the London Health Exhibition; sanitary supervision, including quarantine and the isolation of contagious diseases. The Bureau of Charities and Correction presents matters pertaining to the sick and the needy; asylums, homes, hospitals, dispensaries; appliances for the transportation and relief of the sick and wounded. Prison management and discipline; models and specimens of police stations, houses of correction, reform schools, dress and equipment of prisoners, samples of convict workmanship; the Bertillon system of personal measurements, etc.

In the second group come instruments and apparatus of medicine, surgery and prosthesis, including drugs and medicines, dietetic preparations intended for the sick, instruments for physical diagnosis, surgical instruments, artificial limbs and dental apparatus. This group is arranged in the north end of the gallery floor. Primary, secondary and superior educational statistics, apparatus and appliances are exhibited in a group, wherein are shown infant schools and kindergartens; text books, diagrams and specimens of work in elementary schools; specimens of domestic and industrial training for girls; handicraft teaching in schools for boys; specimens of school work in chemistry, physics, mechanics, etc.; art work, modeling, etc.; results of industrial work; exhibits of elementary instruction of Indians; schools for the deaf, blind, and feeble-minded; statistics, methods of instruction in public schools; descriptions and statistics of academies and high-schools; buildings, libraries, museums, courses of study, etc., pertaining to colleges and universities; various branches of professional schools, such as law, theology, pharmacy, mining, military, commercial, etc. Distinct exhibits are presented by thirty States and Territories; about forty colleges and universities, including six for women, and seven distinctively for the colored race, more than thirty normal schools; a series of manual training and trade schools; sixteen art schools; collective exhibits from thirty business colleges; fifty schools for the deaf; schools for the blind; schools for those of feeble mind, etc. An extended exhibit shows the work of the schools conducted under the control of the Catholic church. Educational exhibits are presented by the School Board of London; from New South Wales, and Canada; from the Governments of France, Russia, Austria, Mexico and Brazil; a very complete exhibit prepared under the orders of the Imperial Minister of Education of Germany. The exhibits from the United States occupy about 175,000 feet on the south end of the gallery floor; the foreign exhibits occupy nearly 50,000 feet beside.

In the group of literature and books are found exhibits of miscellaneous and educational publications; the great magazines; engraving, lithographing; maps and charts, etc. Then come instruments of precision; weights and measures; astronomical instruments, including the great refractor of forty inches aperture;

geodetic, hydrographic, meteorological, optical, acoustic and chronometric instruments; photographic apparatus and a gallery of photographs. Architectural drawings, specifications for foundations, walls, partitions, floors, roofs and stairways; contrivances for safety, comfort and convenience in the manipulation of elevators, doors and windows; working plans for hoisting, handling and delivering building materials, for paving and draining, etc. Statistics and publications of religious organizations and systems, showing the origin, nature, growth and extent of various religious systems and faiths; maps and reports of missionary societies, missions and missionary work; bible societies, tract societies and other publications.

In the group including music and the drama an interesting collection of instruments and literature pertaining to these arts is to be seen. Here are exhibited crude and curious instruments; music books and scores; drums, tambourines, cymbals, triangles, gongs, castanets; music boxes; lutes, guitars, banjos and mandolins; harps and lyres; zithers, dulcimers; violins, the viol, viola, viola da gamba, viola di amore, the violoncello and the bass viol; the piano-forte—square, upright and grand—actions and parts of a piano; the predecessors of the piano—clavicytherium, clavicymbal, clavichord, manichord, virginal, spinet, harpsichord and hammer harpsichord; street pianos; the flute, flute-a-bec, syrinx, organ pipes, flageolet, clarinet, oboe and saxophone; the trumpet (simple) and the bugle (oliphant), alpenhorn; the trombone (with slide and with finger-holes); the serpent, bassoon and bag-pipe; key bugles, cornets, French horns, cornepeans, orphicleides; reed organs, melodeons and harmonicas; accordions, concertinas and mouth organs; hand organs and organettes; automatic organs, orchestrions; strings, reeds, bridges; mechanical devices for the orchestra, etc. The grand pipe organ in the Music Hall is part of this exhibit, as are also the chime of bells in the central tower, and the chime in on one of the towers of Machinery Hall.

The Bureau of Music was a branch of the Department of Liberal Arts committed to the charge of three officers, viz.: The musical director, Mr. Theodore Thomas, the choral director, Mr. William L. Tomlins, and a secretary, Mr. George H. Wilson. Mr. Thomas is the senior in authority of the bureau, and has as his special province the orchestral features of the music for the Exposition, and the bands which are provided for concerts in the halls and in the open air upon the grounds. The choral features of the music are under the direction of Mr. Tomlins, who has organized the assemblages of choruses from various cities of the Union for the choral festivals in the Music Hall and Festival Hall of the Exposition. The secretary of the bureau, Mr. Wilson, has charge of the business matters connected therewith, the preparation of contracts, the making of dates for the various concerts and festivals, the promulgation of information relative thereto and of the programmes.

The Committee on Liberal Arts of the Board of Directors, through its chairman, Mr. James W. Ellsworth, supervises the work of this bureau, and the expenditure of the large sums of money which the board has appropriated for the purpose of rendering the music of the Exposition equal to the representation of the other arts upon the grounds.

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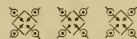


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CLASSIFICATION.

LIBERAL ARTS DEPARTMENT (L).

LIBERAL ARTS—EDUCATION, LITERATURE, ENGINEERING, PUBLIC WORKS;
MUSIC AND THE DRAMA.

GROUP 147.

PHYSICAL DEVELOPMENT, TRAINING AND CONDITION—HYGIENE.

- Class 824. The nursery and its accessories.
- Class 825. Athletic training and exercise gymnasiums; apparatus for physical development and of gymnastic exercises and amusement; skating, walking, climbing, ball-playing, wrestling, acrobatic exercises; rowing, hunting, etc. Special apparatus for training in schools, gymnasia; apparatus for exercise, drill, etc.
- Class 826. Alimentation—food supply and its distribution; adulteration of food, markets, preparation of food, cooking and serving, school kitchens and arrangements for school canteens, methods of warming children's meals, etc. Dinner-pails, or receptacles for carrying meals for school children, working men, and others. Restaurants, dining halls, refectories, etc.
- Class 827. Dwellings and buildings characterized by the conditions best adapted to health and comfort, including dwellings for working men and factory operatives, houses and villages for operatives in connection with large manufacturing establishments, tenement houses, "flats," and suits of apartments, city and country residences, club-houses, school-houses; designs and models of improved buildings for elementary schools, infant schools and *crèches*, court-rooms, theatres, churches, etc.
- Class 828. Hotels, lodging-houses.
- Class 829. Public baths, lavatories; public and domestic hygiene. Sanitation—sanitary appliances and methods for dwelling-houses, buildings and cities. Direct renewal of air. Heating, ventilating, lighting, in their relation to health. Conduits of water and sewage. Drains and sewers. Sinks, night-soil apparatus, sanitary plumbing, walls, bricks, roofs, flooring, etc. Sanitary house decoration—non-poisonous paints and wall-papers, floor coverings, washables, decorations, etc. Apparatus for carrying off, receiving and treating sewage. Slaughter-house refuse, city garbage. Apparatus and methods for filtering water and cleansing water-courses. Apparatus intended for the prevention of infectious diseases. Methods, materials and instruments for purifying and destroying germs; disinfectors. Apparatus and fittings for warming, ventilating, and lighting schools; school latrines, closets, etc. Special school fittings for storing and drying clothing. Precaution in schools for preventing the spread of infectious diseases; school sanitarium, infirmaries, etc.
- Class 830. Hygiene of the workshop and factory—(Classification modified from that of the London Health Exhibition.) Designs and models for improvement in the arrangement and construction of workshops, especially those in which dangerous or unwholesome processes are conducted. Apparatus and fittings for preventing or minimizing the danger to health or life from carrying on certain trades. Guards, screens, air-jets, preservative solutions, washes, etc. Objects of personal use.—Mouth-pieces, spectacles, dresses, hoods, etc., for use in certain unhealthy and poisonous trades. Illustrations of diseases and deformities caused by unwholesome trades and professions; methods of combating these diseases; preservative measures, etc. Sanitary construction and inspection of workshops, factories and mines; new inventions or improvements for ameliorating the condition of life of those engaged in unhealthy occupations; means for economizing human labor in various industrial operations.
- Class 831. Asylums and homes.—Asylums for infants and children; foundling and orphan asylums; children's aid societies. Homes for aged men and women; for the maimed and deformed; for soldiers and for sailors. Treatment of paupers; almshouses. Treatment of aborigines; Indian reservations and homes.
- Class 832. Hospitals, dispensaries, etc.; plans, models, statistics. Shed hospitals for infectious fevers and epidemic diseases; tent hospitals; hospital ships; furniture and fittings for sick rooms.

- Class 833. Protective supervision.—Sanitary supervision; vaccination and its enforcement; isolation of contagious diseases; quarantine; prevention and elimination of animal epidemics.
 Food inspection.—Treatment of adulterated foods; inspection and analysis; treatment of stale food substances; regulation of abattoirs, mills, etc.; regulation of sale of horses; protective devices.
 Building inspection, etc.—Building regulations and inspection; building drainage and plumbing; fire regulations, fire escapes, etc.
 Personal inspection.—Color tests, etc.; professional examination for licenses.
 Immigration.—Reception, care and protection of immigrants.

GROUP 148.

INSTRUMENTS AND APPARATUS OF MEDICINE, SURGERY AND PROSTHESIS.

- Class 834. Pharmacology, drugs, pharmacy, etc.—Medicines, officinal (in any authoritative pharmacopœia) articles of the materia medica, preparations unofficinal. (See Group 87.)
 Class 835. Dietetic preparations intended especially for the sick. (For beef extracts see Class 38.)
 Class 836. Instruments for physical diagnosis, clinical thermometers, stethoscopes, ophthalmoscopes, etc.
 Class 837. Surgical instruments, appliances and apparatus, with dressings, anæsthetics, anti-septics; obstetrical instruments, etc.
 Class 838. Prosthesis.—Apparatus for correcting deformities; artificial limbs.
 Class 839. Instruments and apparatus of dental surgery and prosthesis.
 Class 840. Vehicles and appliances for the transportation and relief of the sick and wounded, during peace or war, on shore or at sea. (See also Department G.)

GROUP 149.

PRIMARY, SECONDARY AND SUPERIOR EDUCATION.

- Class 841. Elementary instruction.—Infant schools and kindergartens. Descriptions of the methods of instruction, with statistics.
 Class 842. Primary schools, city and country. School-houses and furniture. Apparatus and fittings. Models and appliances for teaching, text-books, diagrams, examples. Specimens of work in elementary schools.
 Class 843. Domestic and industrial training for girls.—Models and apparatus for the teaching cookery, housework, washing and ironing, needle-work, and embroidery, dress-making, artificial flower-making, painting on silk, crockery, etc. Specimens of school work.
 Class 844. Handicraft teaching in schools for boys.—Apparatus and fittings for elementary trade teaching in schools. Specimens of school work.
 Class 845. Science teaching.—Apparatus and models for elementary science instruction in schools. Apparatus for chemistry, physics, mechanics, etc.; diagrams, copies, text-books, etc.; specimens of the school work in these subjects.
 Class 846. Art teaching.—Apparatus, models and fittings for elementary art instruction in schools; diagrams, copies, text-books, etc.; specimens of art work, modeling, etc., in schools.
 Class 847. Technical and apprenticeship schools.—Apparatus and examples used in primary and secondary schools for teaching handicraft; models, plans and designs for the fitting up of workshop and industrial schools; results of industrial work done in such schools.
 Class 848. Special schools for the elementary instruction of Indians.
 Class 849. Education of defective classes.—Schools for the deaf, dumb, blind, and feeble-minded; adult schools for the illiterate.
 Class 850. Public schools.—Descriptions, illustrations, statistics, methods of instruction, etc.
 Class 851. Higher education.—Academies and high schools. Descriptions and statistics. Colleges and universities.—Descriptions, illustrations of the buildings, libraries, museums, collections, courses of study, catalogues, statistics, etc.
 Class 852. Professional schools.—Theology, law, medicine and surgery, dentistry, pharmacy; mining, engineering, agriculture, mechanic arts; art and design, military, naval, normal, commercial; music.
 Class 853. Government aid to education.—National Bureau of Education. Reports and statistics.

GROUP 150.

LITERATURE, BOOKS, LIBRARIES, JOURNALISM.

- Class 854. Books and literature, with special examples of typography, paper, and binding. General works.—Philosophy, religion, sociology, philology, natural sciences, useful

arts, fine arts, literature, history, and geography; cyclopedias, magazines, and newspapers; bindings, specimens of typography.

- Class 855. School books.
- Class 856. Technical industrial journals.
- Class 857. Illustrated papers.
- Class 858. Newspapers and statistics of their multiplication, growth and circulation.
- Class 859. Journalism, statistics of; with illustrations of methods, organization and results.
- Class 860. Trade catalogues and price-lists.
- Class 861. Library apparatus; systems of cataloguing and appliances of placing and delivering books.
- Class 862. Directories of cities and towns.
- Class 863. Publications by governments.
- Class 864. Topographical maps. Marine and coast charts; geological maps and sections; botanical, agronomical, and other maps, showing the extent and distribution of men, animals and terrestrial products; physical maps; meteorological maps and bulletins; telegraphic routes and stations, railway and route maps; terrestrial and celestial globes, relief maps and models of portions of the earth's surface, profiles of ocean beds and routes of submarine cables.

GROUP 151.

INSTRUMENTS OF PRECISION, EXPERIMENT, RESEARCH, AND PHOTOGRAPHY. PHOTOGRAPHS.

- Class 865. Weights, measures; weighing and metrological apparatus—Balances of precision, instruments for mechanical calculation, adding machines, pedometers, cash registers, water and gas meters, etc.; measures of length, graduated scales, etc. (For ordinary commercial forms, see also Group 112.) (For testing machines, see Class 490.)
- Class 866. Astronomical instruments and accessories—Transits, transit circles, mural circles, zenith sectors, altazimeters, equatorials, collimators, comet-seekers.
- Class 867. Geodetic and surveying instruments—Transits, theodolites, artificial horizons, surveyor's compasses, goniometers; instruments for surveying underground in mines, tunnels, and excavations; pocket sextants, plane tables, and instruments used with them; ship's compasses, sextants, quadrants, repeating circles, dip-sectors, etc.
- Class 868. Leveling instruments and apparatus—hand-levels, water-levels, engineer's levels, of all patterns and varieties; cathetometers, leveling staves, targets, and accessory apparatus.
- Class 869. Hydrographic surveying; deep sea sounding.
- Class 870. Photometric apparatus and methods.
- Class 871. Photographic apparatus and accessories. Photographs.
- Class 872. Meteorological instruments and apparatus, with methods of recording, reducing and reporting observations. Thermometers—mercurial, spirit, air; ordinary or self-registering, maximum and minimum. Barometers—mercurial, aneroid; anemometers, rain gauges, etc.
- Class 873. Chronometric apparatus—Chronometers, watches of precision, astronomical clocks, church and metropolitan clock, clepsydras, hour-glasses, sun-dials, chronographs, electrical clocks, metronomes. (For commercial clocks and watches, see also Group 99.)
- Class 874. Optical and thermometric instruments and apparatus.
- Class 875. Electric and magnetic apparatus. (See also Department J.)
- Class 876. Acoustic apparatus.

GROUP 152.

CIVIL ENGINEERING, PUBLIC WORKS, CONSTRUCTIVE ARCHITECTURE.

- Class 877. Land surveying, topographical surveying.—Surveys and locations of towns and cities, with systems of water supply and drainage.
- Class 878. Surveys of coasts, rivers, and harbors.
- Class 879. Construction and maintenance of roads, streets, pavements, etc.
- Class 880. Bridge engineering (illustrated by drawings and models.)
 Bridge designing.—Drawings and charts, showing methods of calculating stresses. Foundations, piers, abutments and approaches of stone, wood, etc.
 Arch bridges of stone, wood or iron.
 Suspension bridges of fibre, iron, chain and cable.
 Truss bridges of wood, iron and steel.—Pony, bow-string and plate girders, lattice girders, Fink, Bollman, Howe, Pratt, Warren, Post, Long, Whipple and other trusses of special design.
 Cantilever bridges, draw-bridges, rolling and swinging machinery.
 Tubular bridges.
 Railway, aqueduct, and other bridges of special design not elsewhere classed.
- Class 881. Subaqueous constructions.—Foundations, piers, harbors, break-waters, building of dams, water-works, and canals.

- Class 882. Irrigation.—Irrigating canals and systems.
- Class 883. Railway engineering.—Surveying, locating and constructing railways.
- Class 884. Dynamic and industrial engineering.—The construction and working of machines; examples of planning and construction of manufacturing and metallurgical establishments.
- Class 885. Mine engineering.—Surveying underground, construction of tunnels, subaqueous tunnels, etc.; locating and sinking shafts, inclines, and winzes; driving levels, draining, ventilating, and lighting. (See also Department E.)
- Class 886. Military engineering.—Construction of earth-works, breast-works and temporary fortifications.
- Class 887. Permanent works.—Fortifications, magazines, arsenals, mines.
- Class 888. Roads, bridges, pontoons, etc.; movement of troops and supplies.
- Class 889. Constructive architecture.—Plans of public buildings for special purposes; large and small dwelling houses.
 Drawings and specifications for foundations, walls, partitions, floors, roofs, and stairways.
 Estimates of amount and cost of material.
 Designs and models of special contrivances for safety, comfort, and convenience in the manipulation of elevators, doors, windows, etc.
 Working plans for the mason, carpenter and painter; designs and models of bonds, arches, coping, vaulting, etc.; plastering and construction of partitions; painting and glazing.
 Plans of appliances for hoisting, handling and delivering building materials to artisans.—Scaffolding and ladders, special scaffolding for handling great weights; portable cranes and power elevators.
 Illustrations of the strength of materials.
 Plans and sections of special architectural forms. Metallic floor beams and girders; hollow bricks and other architectural pottery for heating and ventilation; metallic cornice and conduits, shingles and sheathing, glass roofs, floors and accessories, architectural hardware.
 Methods of combining materials.
 Protection of foundations, areas and walls against water.
 Working plans for paving and draining.

GROUP 153.

GOVERNMENT AND LAW.

- Class 890. Various systems of government illustrated.—Government departments, legislative, executive, and judicial.
- Class 891. International law and relations.—Fac-similes of treaties, etc.
- Class 892. Protection of property in inventions. Patent offices and their functions, statistics of inventions and patents.
- Class 893. Postal systems and the appliances of the postal service. Letter-boxes, pouches, mail-bags, postage stamps, etc.
- Class 894. Punishment of crime.—Prisons and reformatories, prison management and discipline, transportation of criminals, penal colonies, houses of correction, reform schools, naval or marine discipline, punishment at sea, police stations, night lock-ups, etc.; dress and equipment of prisoners, examples of convict workmanship.

GROUP 154.

COMMERCE, TRADE AND BANKING.

- Class 895. History and statistics of trade and commerce.
- Class 896. Railway and transportation companies.
- Class 897. Methods and media of exchange.—Money, coins, paper money, etc.
- Class 898. Counting houses, stores, and shops.—Arrangement, furniture fittings; methods of management, book-keeping, devices for distributing change and goods to customers.
- Class 899. Warehouse and storage systems.—Grain elevators.
- Class 900. Boards of Trade and their functions illustrated.
- Class 901. Exchanges for produce, metals, stocks, etc.
- Class 902. Insurance companies.
- Class 903. Banks and banking.—Illustrations of buildings, interiors, methods, and statistical information; clearing-houses, etc.; savings and trust institutions.
- Class 904. Safes and vaults for storage of treasure and valuables; safe deposit companies.
- Class 905. Book-keeping.—Books and systems of book-keeping and accounting, commercial blank forms, etc.
- Class 906. Express companies, freighting, etc.

GROUP 155.

INSTITUTIONS AND ORGANIZATIONS FOR THE INCREASE AND DIFFUSION OF KNOWLEDGE.

- Class 907. Institutions founded for the increase and diffusion of knowledge, such as the Smithsonian Institution, the Royal Institution, the Institute of France, British Association for the advancement of Science, and the American Association, etc., their organization, history and results.
- Class 908. Academies of science and letters.—Learned and scientific associations, geological and mineralogical societies, etc.; engineering, technical, and professional associations; artistic, biological, zoological, medical, astronomical societies and organizations.
- Class 909. Museums, collections, art galleries, exhibitions of works of art and industry; agricultural fairs, state and county exhibitions, national exhibitions, international exhibitions, international congresses.
- Class 910. Publication societies.
- Class 911. Libraries—public and private; statistics of operations

GROUP 156.

SOCIAL, INDUSTRIAL, AND CO-OPERATIVE ASSOCIATIONS.

- Class 912. Social organizations.—Clubs—political, military, university, travelers; press clubs, science clubs, and others.
- Class 913. Political societies and organizations.
- Class 914. Workingmen's unions and associations. Their organization, statistics, and results.
- Class 915. Industrial organizations.
- Class 916. Co-operative trading associations.
- Class 917. Secret societies.
- Class 918. Miscellaneous organizations for promoting the material and moral well-being of the industrial classes.

GROUP 157.

RELIGIOUS ORGANIZATIONS AND SYSTEMS—STATISTICS AND PUBLICATIONS.

- Class 919. Religious organizations and systems.—Origin, nature, growth, and extent of various religious systems and faiths. Statistical, historical and other illustrations; pictures of buildings; plans and views of interiors.
- Class 920. Religious music, choirs, hymnology.
- Class 921. Missionary societies, missions, and missionary work; maps, reports, statistics.
- Class 922. Spreading the knowledge of religious systems by publications; Bible societies, tract societies, and their publications.
- Class 923. Systems and methods of religious instruction and training for the young; Sunday-schools, furniture, apparatus and books.
- Class 924. Associations for religious or moral improvement.
- Class 925. Charities and charitable associations connected with ecclesiastical societies.

GROUP 158.

MUSIC AND MUSICAL INSTRUMENTS—THE THEATRE.

- Class 926. History and theory of music.—Music of primitive people. Crude and curious instruments. Combinations of instruments, bands and orchestras. Music books and scores. Musical notation. History and literature of music. Portraits of great musicians.
- Class 927. Self-vibrating instruments.—Drums and tambourines; cymbals, triangles, gongs, castanets, "bones."
Bells, chimes and peals.
Bell-ringers' instruments. Musical glasses.
Glockenspiels, zylophones, marimbas.
Music boxes.
- Class 928. Stringed instruments played with the fingers or plectrum.
Lutes, guitars, banjos and mandolins.
Harps and lyres.
Zithers, dulcimers.
- Class 929. Stringed instruments played with the bow.
The violin.
The viol, viola, viola da gamba, viola di amore.
The violincello and the bass viol.
Mechanical instruments.—Hurdy-gurdy and violin piano.
- Class 930. Stringed instruments with key-board.—The piano-forte—square, upright and grand. Actions and parts of a piano.
The predecessors of the piano.—Clavicytherium, clavicymbal, clavichord, manichord, virginal, spinet, harpsichord, and hammer harpsichord.

- Instruments and methods of manufacture.
Street pianos.
- Class 931. Wind instruments, with simple aperture or plug mouthpiece. The flute, flute-a-bec. Syrinx. Organ-pipes. Flageolet.
- Class 932. Wind instruments, with mouthpiece regulated by the lips. The clarinet, oboe and saxophone.
- Class 933. Wind instruments with bell mouthpiece, without keys. The trumpet (simple) and the bugle. Oliphant. Alpenhorn. The trombone (with slide and with finger-holes). The serpent, bassoon and bag-pipe.
- Class 934. Wind instruments with bell mouth-piece, with keys. Key bugles, cornets, French horns. Cornepeans, orphicleides.
- Class 935. Wind instruments with complicated systems.
The pipe organ.
Reed organs, melodeons and harmonicas.
Accordions, concertinas and mouth organs.
Hand organs and organettes. Automatic organs, orchestrions, etc.
- Class 936. Accessories of musical instruments—strings, reeds, bridges.
Conductor's batons, drum-majors' staves. Mechanical devices for the orchestra.
Tuning forks, pitch-pipes, metronomes, music stands, etc.
- Class 937. Music in relation to human life.—Musical composers. Great performers. Great singers. Portraits. Biographies.
Concerts and the concert stage.
The opera. The oratorio. Masses.
Church music and sacred music of all periods. Hymnology, ballads, folk-song, and folk-music of all lands. National airs.
- Class 938. The theatre and the drama. The stage. Plans and models of stages and theatres.
History of the drama, so far as can be shown by literary record. Portraits of actors.
Relics of actors.
Playbills, etc. Costumes, masks, armor. Scenery. Appliances of illusion, etc.
Plays of all ages and peoples.

Department L.--Liberal Arts.

UNITED STATES.

GROUP 147.

Physical Development, Training and Condition—Hygiene.

Exhibits in this group are installed in the Anthropological Building.

1. Alexander, Dr. H. M., & Co., Marietta, Pa. Vaccine virus. E-W-4 833
2. American Continental Sanitas Company, New York. Antiseptics and disinfectants. E-V-2 829
3. American Sporting Goods Company, St. Louis, Mo. Whitley exercises. E-S-6 825
4. Automatic Fountain Company, Canton, Ohio. Fountain air purifier. E-S-4 829
5. Banneman, William, Chicago. Phenyle disinfectant. E-V-2 829
6. Beneficent Building Association, Philadelphia. Plans of model tenement house. E wing, frames V-4 827
7. Benson, B. S., Baltimore, Md. Air purifiers and filters. E-S-4 829
8. Beveridge, W. E., Baltimore, Md. Automatic steam cookers. E-T-6 826
9. Bowden, J. A., & Co., Detroit, Mich. Water filters and domestic water filters. E-V-2 829
10. Brown & Sharp Manufacturing Co., Providence, R. I. Sanitary closets. E-V-1 829
11. Columbia Automatic Filter Company, Washington, D. C. Water filters. E-T-2 829
12. Cram, A. W., Haverhill, Mass. Clean-out for drains, etc. E-S-4 829
13. Cummings Filter Company, Philadelphia. Water filters. E-T-4 829
14. Davis, M. L., M. D., Lancaster, Pa.
 - a Models of garbage and crematory furnaces. E-S-3 829
 - b Plan of quarantine hospital. 833
15. Eclipse Filter Company, Philadelphia. Water filters. E-T-4 829
16. Engle Sanitary & Cremation Co., Des Moines, Iowa.
 - a An iron or brick fire closet for domestic waste. Hospital furnace for infectious material. E-S-3 829
 - b Garbage cremators for city use. School fire closet. (Out-door exhibit.)
17. Gate City Stone Filter Company, New York. Water filters. E-T-3 829
18. Guenantin, Jean Marie, Chicago. Models, maps and drawings of suggested plan for sewerage of Chicago. E-V-1 829
19. Hess, Geo. H., Company, Chicago. Apparatus, models, and plans showing mode of ventilating and warming schools, houses, etc. E-S-9 829
20. Hunting, Nelson, M. D., Albany, N. Y. Automatic water purifying apparatus. E-T-1 829
21. Hydromaze Manufacturing Company, New York City. Hydromaze, or health guard. E-T-2 829
22. Illinois State Board of Health, Springfield, Ill. Maps illustrative of sanitary condition of Chicago. E-W-1 833
23. Improved Dwelling Company, New York. Model and plans of improved dwelling for working men. E-S-5 827
24. Jensen, Hans H., Milwaukee. Odorless water closets. E-V-1 829
25. Koch, Christian H., Chicago. Electrical apparatus for purifying water and meat. E-V-1 829
26. Ladies' Sanitary Association, London, England. Publication of the association. Sec. E 833
27. Louisiana State Board of Health, New Orleans, La. Models of quarantine station and disinfectors. E-W-5 833
28. Maine State Board of Health, Augusta, Me. Charts and plans relating to school-houses. Sec. E 833
29. Massachusetts State Board of Health, Boston. Analytical work in food adulterations, water, etc. E-V-5 833
30. McConnell Filter Company, Buffalo, N. Y. Germ-proof water filters. E-T-5 829
31. Medical and Surgical Sanitarium, Battle Creek, Mich. Economic and hygienic dress for women, apparatus for anthropometry and physical training. E-S-6 825
32. Michigan State Board of Health, Lansing, Mich. Diagrams illustrating work in prevention of disease; set of publications. E-W-1 833
33. Miller, Chas. H., Pittsburg. Appliances for cleaning water mains. E-S-4 829
34. Minnesota State Board of Health, Red Wing, Minn. Charts, diagrams and publications illustrating protection and sanitary work. Wing frames, Sec. E 833
35. Narragansett Machine Company, Providence, R. I. Gymnastic apparatus and appliances. E&F 825
36. New York Ladies Health Protective Association, New York. Models and photographs of abattoirs and of dust-cart. E V-7 826

DEPARTMENT L.—LIBERAL ARTS.

37. **New York State Board of Health**, Albany, N. Y. Maps, drawings and publication relating to public health. Sec. E 833
38. **New Jersey State Board of Health**, Trenton, N. J. Specimens of adulterations of foods and drugs; maps and publications. Sec. E 833
39. **Pasteur-Chamberland Filter Company**, Dayton, Ohio. Germ proof filters and filtering apparatus. E-T-3 829
40. **Pennsylvania State Board of Health**, Philadelphia. Portable bacteriological outfit; charts, publications, etc. Sec. E 833
41. **Philadelphia County Women's Committee**, Philadelphia. A model workman's dwelling. (N. E. end of Midway Plaisance.) 827
42. **Remington, Cyrus K.**, Buffalo, N. Y. Photographs of the Buffalo crematory. E-S-5 829
43. **Romney, Mrs. Caroline**, Chicago.
a Warming closet, heat conserver, dinner pail. Gal. F-U-103 826
b Water filter. 829
44. **Stone, Peter, Los Angeles, Cal.** Water filters and coolers. E-T-5 829
45. **Tenement House Building Company**, New York. Drawings, plans and photographs of buildings. Sec. E, wing frames V-4 827
46. **Tennessee State Board of Health**, Nashville, Tenn. Models, plans and charts illustrating sanitary condition of Tennessee. Sec. E 833
47. **Wahl, Albert**, Chicago. Health apparatus. E-S-6 825
48. **Wilmot Castle & Co.**, Rochester, N. Y. Sterilizers, steam cookers and bacteriological apparatus. E-T-6 826
49. **Woods, Justus O.**, New York. Hygienic appliances. E-V-3 830
50. **World's Crystal Water Filter Company**, Chicago. Water filters. E-T-4 829
- GROUP 148.**
- Instruments and Apparatus of Medicine, Surgery and Prosthesis.**
51. **Albany Chemical Company**, Albany, N. Y. Pharmaceutical preparations. Gal. D, F-94 835
52. **Ale & Beef Co.**, Dayton, Ohio. Pharmaceutical preparations. Gal. D, F-99 834
53. **Allen, C. D.**, New York. Artificial dentures. Gal. E, H-101 839
54. **Allison, W. D., Company**, Indianapolis, Ind. Surgical furniture. Gal. E, G-101 837
55. **Anderson Surgical Chair Manufacturing Company**, Anderson, Ind. Surgical furniture. Gal. E, G-101 837
56. **Armour & Co.**, Chicago. Pharmaceutical preparations. Gal. D, F-96 834
57. **Armstrong, Wm. H., & Co.**, Indianapolis, Ind. Surgical instruments and appliances. Gal. E, H-103 837
58. **Ayer, J. C., Company**, Lowell, Mass. Pharmaceutical preparations. Gal. D, Truss F-94 834
59. **Banning, E. P.**, Cleveland, Ohio. Spinal and other appliances. Gal. D, D-101 838
60. **Boericke & Tafel**, Philadelphia. Homœopathic preparations. Gal. D, F-98 834
61. **Boughton & Smith**, Chicago. Artificial teeth and dental specialties. Gal. E, H-101 839
62. **Brown, E., Parnly, International Dental Manufacturing Company**, N. Y. Dental specialties. Gal. E, H-101 839
63. **Brown, Frederick Company**, Philadelphia. Pharmaceutical preparations. Gal. D, F-98 834
64. **Burnham, E. S.**, Chicago. Instruments for catarrhal affections. Gal. E, H-102 837
65. **Burrough Bros. Manufacturing Company**, Baltimore, Md. Pharmaceutical preparations, etc. Gal. D, F-98 834
66. **Canton Surgical & Dental Chair Co.**, Canton, Ohio. Gal. E, G-102
a Surgical chairs and appliances. 837
b Dental chairs and appliances. 839
67. **Carroll Aluminum Manufacturing Company**, Meadville, Pa. Gal. E, F-102
a Stethoscope, ophthalmoscope, etc. 836
b Surgical instruments and appliances. 837
c Orthopedic apparatus. 838
d Dental apparatus. 839
68. **Chicago Truss Company**, Chicago. Trusses, etc. Gal. D, D-102 838
69. **Common Sense Truss Company**, Chicago. Trusses, supporters, etc. Gal. D, D-102 838
70. **Condell, A.**, New York. Artificial limbs. Gal. D, C-103 838
71. **Condell, J., & Son**, New York. Artificial limbs, etc. Gal. D, C-103 838
72. **Daggett Table Company**, Buffalo, N. Y. Posturing tables. Gal. E, K-101 837
73. **Davis, J. T. & A. H.**, New York. Artificial eyes. Gal. E, I-102 838
74. **Deane, Henry F.**, New York. Artificial teeth. Gal. E, H-101 839
75. **Doliber-Goodale Company**, Boston. Food for infants. Gal. D, E-97 835
76. **Doriot, Constant**, Philadelphia. Dental tools, chair, etc. Gal. E, K-101 839
77. **Drevet Manufacturing Company**, New York. Pharmaceutical preparations. Gal. D, F-98 834
78. **Dundas, Dick & Co.**, New York. Pharmaceutical preparations. Gal. D, F-98 834
79. **Evans, George**, New York. Crowns for teeth. Gal. E-K-101 839
80. **Fairchild Bros. & Foster**, New York. Pharmaceutical preparations and digestive ferments. Gal. D, F-94 834
81. **Frees, C. A.**, New York. Artificial limbs. Gal. D, D-103 838
82. **Fuller, George R.**, Rochester, N. Y. Artificial limbs and trusses. Gal. D, D-102 838
83. **Gault Artificial Limb Company**, Woodstock, Ill. Artificial limbs. Gal. D, D-103 838
84. **Harvard Company**, Canton, Ohio. Gal. E, H-102
a Surgical furniture. 837
b Dental furniture. 839

UNITED STATES.

85. Harvey Human Hand Appliance Company, New York City. Trusses. Gal. D, D-99 838
86. Harvey, G. F., Company, Saratoga Springs, N. Y. Pharmaceutical preparations. Gal. D, D-98 834
87. Haussmann & Dunn, Chicago. Surgical instruments. Gal. E, G-103 837
88. Heinemann, T. W., Co., Chicago. Surgical appliances. Gal. E, I-103 837
89. Horlick's Food Company, Racine, Wis. Food preparations. Gal. D, F-97 835
90. International Surgical Instrument Company, Philadelphia. Surgical instruments. Gal. E, K-103 837
91. Johnson & Johnson, New York. Surgical appliances. Gal. E, L-103 837
92. Land, Charles H., Detroit, Mich. Dental cabinet and furnaces. Gal. E, I-101 839
93. Lee, J. Ellwood, Company, Conshohocken, Pa. Surgical specialties. Gal. E, H-103 837
94. Lyons, James I., Chicago. Artificial limbs. Gal. D-D-102 838
95. Marks, A. A., New York. Gal. D, D-103
- a Surgical appliances. 837
- b Artificial limbs. 838
- c Invalid vehicles. 840
96. Marvin Truss Company, Lansing, Mich. Trusses and abdominal supports. Gal. D, C-103 838
97. Mason, L. J., & Co., Chicago. Electric dental engine and dental instruments. Gal. E, Truss H-101 838
98. Mellor & Rittenhouse Co., Philadelphia. Licorice and products. Gal. D, F-99 834
99. Meyer, John H., New York. Artificial dentures. Gal. E, H-101 839
100. Miner & Elbreg, Indianapolis, Ind. Surgical furniture. Gal. E, H-101 937
101. Modemann, George H., New York. Artificial teeth. Gal. E, H-101 839
102. Niehans, A., Chicago. Artificial limbs. Gal. D, C-103 838
103. Nye, Sherman R., Chicopee Falls, Mass. Finger truss. Gal. D, C-103 838
104. O'Connor, E. L., Company, Chicago. Extension shoe. Gal. D, D-103 838
105. Palmer, B. Frank, Philadelphia. Artificial limbs. Gal. D, D-102 838
106. Penfield, E. C., Company, Philadelphia. Gal. D, D-101
- a Surgical appliances. 837
- b Trusses and supporters. 838
107. Reed & Carnrick, New York. Gal. D, D-99
- a Pharmaceutical preparations. 834
- b Food preparations. 835
108. Reichardt, F., Alfred & Co., New York. Surgical instruments and supplies. Gal. E, H-102 837
109. Ritter, Frank, Dental Manufacturing Company, Rochester, N. Y. Dental chairs and cases. Gal. E, I-101 839
110. Roy, F., St. Omer, N. Y. Surgical instruments and apparatus. Gal. E, G-102 837
111. Sapler, Hannah G., New York. Abdominal belt. Gal. F-U-103 837
112. Seabury & Johnson, New York. Medical, surgical and antiseptic specialties. Gal. E, K-103 837
113. Sharp & Dohme, Baltimore, Md. Pharmaceutical preparations. Gal. D, D-96 834
114. Sharp & Smith, Chicago. Surgical instruments. Gal. E, F-103 837
115. Standard Homœopathic Globule Manufactory, New York. Globules, disks, etc. Gal. D, F-94 834
116. Stearns, Frederick & Co., Detroit, Mich. Pharmaceutical preparations, toilet articles, etc. Gal. D, E-98 834
117. Storrs Air Pad Truss Company, Chicago. Air pads, supporters, etc. Gal. D, D-102 838
118. Thomsen's Extract of Malt Company, Chicago. Extract of malt. Gal. D, F-98 835
119. Tilden Company, The, New Lebanon, N. Y. Pharmaceutical preparations. Gal. D, E-94 834
120. Tracy, Edward A., South Boston, Mass. Gal. E, H-102
- a Surgical splints. 837
- b Surgical jackets. 838
121. Truax, Chas., Greene & Co., Chicago. Surgical instruments and appliances. Gal. E, F-103 837
122. Upjohn Pill & Granule Co., Kalamazoo, Mich. Pills and granules. Gal. D, F-99 834
123. Warner, Wm. R., & Co., Philadelphia. Pharmaceutical preparations. Gal. D, D-101 834
124. Western Leather Manufacturing Company, Chicago. Medicine cases, etc. Gal. E, I-102 837
125. White, F. G., Chicago. Dentistry. Gal. E, H-101 839
126. White, S. S., Dental Manufacturing Company, Philadelphia. Dental supplies. Gal. E, K-101 839
127. Winkley Artificial Limb Company, Minneapolis, Minn. Artificial limbs. Gal. D, D-103 833
128. Wyeth, John & Bro., Philadelphia. Pharmaceutical and medicinal preparations. Gal. D, D-94 834
129. Zeilin, J. H., & Co., Philadelphia. Pharmaceutical preparations. Gal. D, E-98 834

GROUP 149.

Primary, Secondary and Superior Education.

130. Air Brush Manufacturing Company, Rockford, Ill. Air brush and paintings produced with it. Gal. E, K-103 846
131. Alliance Israelite Universelle, New York. Gal. A, A-4
- a Common school products. 842
- b Technical and trade school products. 847
- c Agricultural school products. 852
132. Amherst College, Amherst, Mass. Photographs, plans, books, etc. Gal. K, O-6 851
133. Arch-diocese of Chicago. Educational exhibit. Gal. I, Z-28 841-844, 851

DEPARTMENT L.—LIBERAL ARTS.

134. Art Institute of Chicago, Chicago. Drawings, paintings, modeled work and statuary. Gal. A, F-19 846
135. Art Students' League of New York, New York. Students' work. Gal. A, F-15 846
136. Atlanta University, Atlanta, Ga. Industrial work, photographs, charts, etc. Gal. I, U-1 851
137. Baltimore Manual Training School, Baltimore, Md. Students' work. Gal. K, S-1 847, 851
138. Beloit College, Beloit, Wis. Photographs, history of college, etc. Gal. A, D-7 851
139. Bowdoin College, Brunswick, Me. Photographs, drawings and books. Gal. K, O-1 851
140. Brothers of the Christian Schools. Educational exhibit from European schools. Gal. I, Z-19 841-847, 851, 852
141. Brown University, Providence, R. I. Photographs, course of study, specimens of mechanical work, etc. Gal. K, R-1 851
142. Bryn Mawr College, Bryn Mawr, Pa. Photographs, publications, models, etc. Gal. K, G-7 851
143. Bryn Mawr School, Baltimore, Md. School work. Gal. I, V-7 851
144. Carleton College, Northfield, Minn. Stellar photography, charts, views, etc. Gal. A, A-7 851
145. Central Church Mission, Chicago. Kindergarten work. Gal. A-D-23 841
146. Central Tennessee College, Nashville, Tenn. Students' work. Gal. A, E-1 851
147. Chautauqua System of Education, Buffalo, N. Y. Publications, study papers, photographs, etc. Gal. K, L-1 851
148. Chicago Manual Training School, Chicago. Students' work. Gal. K, R-1 847, 851
149. Chicago College of Pharmacy, Chicago. Materia medica, apparatus, literature, etc. Gal. D, E-101 852
150. Chicago Free Kindergarten Ass'n, Chicago. Work of normal class and of children. Gal. A-D-23 841
151. Cincinnati Technical School, Cincinnati. Students' work. Gal. K, T-1 847
152. Claflin University, Orangeburg, S. C. Students' work. Gal. A, E-1 851
153. Clark University, Atlanta, Ga. Students' work. Gal. A, E-1 851
154. Clark University, Worcester Mass. University work. Gal. K, O-6 851
155. Colgate University, Hamilton, N. Y. Photographs, publications, etc. Gal. K, K-6 851
156. Colorado State Agricultural College, Fort Collins, Col. Drawings, manual and laboratory work, publications, etc. Gal. A, D-17 852
157. Colorado State Normal School, Greeley, Col. Manuscripts, charts, sloyd-work, etc. Gal. A, D-17 852
158. Colorado State School of Mines, Golden, Col. Drawings, publications, photographs, etc. Gal. A, D-17 852
159. College of New Jersey, Princeton, N. J. Books, manuscripts, models, photographs, etc. Gal. K, N-6 851
160. Columbia College, New York. Drawings, photographs, statistics, publications, etc. Gal. K, L-6 851
- 160a. Deaf Schools. Collective exhibits from schools at Colorado Springs, Col.; Hartford, Conn.; Washington, D. C.; Englewood, Ill.; Indianapolis, Ind.; Olathe, Kan.; Danville, Ky.; Frederick City, Md.; Northampton, Mass.; Flint, Mich.; Faribault, Minn.; Omaha, Neb.; Trenton, N. J.; Buffalo, N. Y.; Fordham, N. Y.; Washington Heights, N. Y. City; Cincinnati, O.; Edgewood Park, Pa.; Scranton, Pa.; Cedar Springs, S. C.; Delavan, Wis.; Salt Lake City, Utah. Gal. A-A-7 849
161. De Pauw University, Greencastle, Ind. Books, chart, etc. Gal. I, Z-7 851
162. Drexel Institute of Arts, Science and Industry, Philadelphia. Photographs, drawings, instruction, etc. Gal. K, I-6 849-847, 851, 852
- 162a. Feeble-minded Schools. Collective exhibits from schools at Glen Ellen, Cal.; Lakeville, Conn.; Lincoln, Ill.; Fort Wayne, Ind.; Glenwood, Ia.; Frankfort, Ky.; Font Hill, Md.; Barre, Mass.; Waverly, Mass.; Faribault, Minn.; Beatrice, Neb.; Vineland, N. J.; Syracuse, N. Y.; Columbus, O.; Elwyn, Pa.; Vancouver, Wash.; Orilla, Ont. Gal. A-A-7 849
163. Franklin College, Franklin, Ind. Manuscripts, apparatus, etc. Gal. I, Z-7 851
164. Girls' Classical School, Indianapolis, Ind. School work. Gal. I, Z-7 851
165. Hahnemann Medical College and Hospital, Philadelphia. Anatomical specimens, views of college, etc. Gal. I, Z-6 852
166. Hamilton College, Clinton, N. Y. Books, astronomical charts etc., Gal. K, K-6 851
167. Hamline University, St. Paul, Minn. Photographs, charts, written work, books, etc. Gal. A, A-7 851
168. Hampton Normal and Agricultural Institute, Hampton, Va. Educational and technological work of colored and Indian students. Gal. I, V-1 848, 852
169. Harvard University, Cambridge, Mass. Charts, photographs, publications, etc. Gal. K, O-6 851
170. Indiana State Normal School, Valparaiso, Ind. Maps, charts, etc. Gal. I, Z-7 852
171. Indian Industrial School, Carlisle, Pa. Work, photographs, courses of study, etc. Gal. I, Z-7 848
172. Indiana University, Bloomington, Ind. Maps, charts, books, etc. Gal. I, Z-7 851
173. Iowa State Normal School, Cedar Falls, Ia. School exhibit. Gal. A, D-17 852
174. Jewish Training School, Chicago. Shop-work, drawing, literary work, etc. Gal. K, U-1 847, 851
175. John Hopkins University, Baltimore, Md. Books, photographs, drawings, etc., illustrating its work. Gal. I, V-7 851
176. Kane, Thos. & Co., Chicago. School desks and slates. Gal. I, Z-17 842
177. Kansas State Agricultural College, Manhattan, Kan. Students' work, views, drawings, etc. Gal. A, A-17 852

UNITED STATES.

178. Kansas State Normal Sch'l, Emporia, Kan. Students' work. Gal. A, A-17 851
179. Maine State College, Orono, Me. Collections, analyses, shop-work, etc. Gal. K, O-1 851
180. Manual Training School of Washington University, St. Louis. Drawings and shop-work. Gal. K, Q-1 847, 851
181. Martin, Kate Byam, Chicago. Form and color work. Gal. A, D-21 846
182. Massachusetts Institute of Technology, Boston. Books, theses, apparatus, shop-work, etc. Gal. K, Q-6 852
183. Massachusetts Normal Art School. Boston. Students' work. Gal. A, F-19 and Gal. K, O-6 852
184. Massachusetts State Normal Schools. Collective exhibit from schools at Bridgewater, Framingham, Salem, Westfield, and Worcester. Gal. K, O-1 852
185. McClelland, Mary A., Albany. Educational invention, ocular demonstrator. Gal. F-U-103 842
186. Michigan State Normal School, Ypsilanti, Mich. Students' work. Gal. I-U-1 852
187. Michigan Agricultural College, Agricultural College, Mich. Products of fields, shops, laboratories, class-rooms, etc. Gal. I, U-6 852
188. Milton Bradley Company, Springfield, Mass. Gal. I, Z-13
- a* Kindergarten materials. 841
- b* Manual training materials. 844
- c* Scientific materials. 845
- d* Drawing materials. 846
189. Minneapolis School of Fine Arts, Minneapolis, Minn. Students' work. Gal. A, F-15 846
190. Minnesota State Normal Schools. Collective exhibit from schools at Mankato, Moorhead, St. Cloud, Winona. Gal. A, A-7 852
191. Mt. Holyoke College, South Hadley, Mass. History, photographs, students' work, etc. Gal. K, O-6 851
192. Museum of Fine Arts, Boston. Students' work. Gal. A, Truss, F-19 846
193. National Catholic Educational Exhibit. Educational exhibit. Gal. I, V-17-28 841, 847, 851, 852
194. National Eclectic Medical Association, Chicago. Books, diplomas, medicines, etc. Gal. I, Z-4 852
195. National Kindergarten Normal Institute, Washington, D. C. Children's work. Gal. A-D-23 841
196. Nebraska State University, Lincoln, Neb. Laboratory exhibit, views, charts, etc. Gal. A, D-8 851
197. New York College for the Training of Teachers, New York. Graduated course in manual training. Gal. K, M-6 852
198. New York State Normal Schools. Collective exhibit from schools at Cortland, Fredonia, Oneonta, Oswego, and Plattsburg. Gal. K, L-6 852
199. New York Trade Schools, New York. Students' work, courses of instruction, etc. Gal. K, U-1 847
200. Oberlin College, Oberlin, Ohio. Views, diagrams, books, etc. Gal. I, truss T-11 851
201. Ogontz School, Ogontz, Pa. Pictures, casts, specimens, schedules, etc. Gal. K, I-6 851
202. Ohio Normal University, Ada, O. Students' work. Gal. I, T-11 852
203. Ohio Wesleyan University, Delaware, Ohio. Students' work. Gal. I, Truss, T-11 851
204. Pennsylvania Academy of Fine Arts, Philadelphia. Students' work. Gal. A, F-11 846
205. Pennsylvania Museum and School of Industrial Art, Philadelphia. Students' work. Gal. A, F-11 846
206. Pennsylvania State College, State College, Pa. History, maps, apparatus, students' work, etc. Gal. K, F-8 851
207. Pennsylvania State Normal Schools. Collective exhibit from schools at Bloomsburg, Indiana, Kutztown, Slippery Rock and West Chester. Gal. K, E-6 852
208. Philadelphia School of Design for Women, Philadelphia. Students' work. Gal. A, Truss, F-11 846
209. Polytechnic Institute, Brooklyn, N. Y. Drawings, photographs, manuscripts, etc. Gal. K, L-1 851
210. Prang Educational Company, Boston. Models, text-books, drawings, materials, etc. Gal. A, E-8 846
211. Pratt Institute, Brooklyn, N. Y. Gal. K, E-1
- a* Manual work. 843, 844
- b* Science teaching. 845
- c* Industrial and fine art. 846
- d* Technical and trade work. 847
- e* Literary work. 851
212. Purdue University, La Fayette, Ind. Shop-work, models, apparatus, theses, etc. Gal. I, Z-7 851
213. Rensselaer Polytechnic Institute, Troy, N. Y. Work of students and graduates. Gal. K, G-1 852
214. Ripley, Mrs. E. C., Hartford, Conn. Designs for wall paper. Gal. F, U-103 846
215. Ripon College, Ripon, Wis. Photographs, students' work, catalogues, etc. Gal. A, D-7 851
216. Rochester Athenæum & Mechanics' Institute, Rochester, N. Y. Drawings, paintings, modeling, etc. Gal. K, M-1 846
217. School of Fine Arts, Jacksonville, Ill. Students' work. Gal. A, F-15 846
218. School of Fine Arts, St. Louis. Students' work. Gal. A, F-19 846
219. School of Industrial Art and Technical Design for Women, New York. Gal. A, F-15 846
220. Smith College, Northampton, Mass. Pictures and pamphlets. Gal. K, O-6 851
221. South Dakota, State of. Educational exhibit. Gal. A, A-7 850
222. Spring Garden Institute, Philadelphia. Drawings, paintings, wood and metal work, etc. Gal. A, F-11 846, 847
223. St. John's College, Annapolis, Md. Students' work, photographs, catalogues, etc. Gal. I, V-7 851
224. State of Arkansas. Educational exhibit. Gal. A, Z-17 850
225. State of Colorado. Educational exhibit. Gal. A, D-17 850
226. State of Connecticut. Educational exhibit. Gal. K, U-6 850

DEPARTMENT L.—LIBERAL ARTS.

227. State of Florida. Educational exhibit. Gal. A, E-1 850
228. State of Indiana. Educational exhibit. Gal. I, Z-7 850
229. State of Iowa. Educational exhibit. Gal. A, D-17 850
230. State of Kansas. Educational exhibit. Gal. A, A-17 850
231. State of Kentucky. Educational exhibit. Gal. I, T-15 850
232. State of Maine. Educational exhibit. Gal. K, O-1 850
233. State of Maryland. Educational exhibit. Gal. I, V-7 850
234. State of Massachusetts. Educational exhibit. Gal. K, O-1 850
235. State of Michigan. Educational exhibit. Gal. I, U-1 850
236. State of Minnesota. Educational exhibit. Gal. A, A-7 850
237. State of Missouri. Educational exhibit. Gal. I, V-17 850
238. State of Montana. Educational exhibit. Gal. I, Z-10 850
239. State of Nebraska. Educational exhibit. Gal. A, D-11 850
240. State of New Hampshire. Educational exhibit. Gal. K, U-1 850
241. State of New Jersey. Educational exhibit. Gal. A, E-6 850
242. State of New York. Educational exhibit. Gal. K, L-6 850
243. State of North Dakota. Educational exhibit. Gal. I, Z-10 850
244. State of Ohio. Educational exhibit. Gal. I, T-11 850
245. State of Oregon. Educational exhibit. Gal. A, D-17 850
246. State of Pennsylvania. Educational exhibit. Gal. K, F-6 850
247. State of Rhode Island. Educational exhibit. Gal. K, R-1 850
248. State of West Virginia. Educational exhibit. Gal. K, E-1 850
249. Tadd, J. Liberty, Philadelphia. Industrial art and manual training. Gal. I, U-1 846, 847
250. Territory of Utah. Educational exhibit. Gal. A, A-7 850
251. Thayer & Chandler, Chicago. Air brush and paintings produced by it; ink eraser. Gal. E, L-103 846
252. Toledo Manual Training School, Toledo, Ohio. Shop-work exercises, sewing, drawings, photographs, etc. Gal. K, R-1 847, 851
253. Tufts College, Tufts College, Mass. Photographs, charts, etc. Gal. K, O-6 851
254. United States School Furniture Company. School furniture. Gal. I, Z-11 842
255. University of Michigan, Ann Arbor, Mich. Plans, photographs, publications, work, etc. Gal. K, R-6 851
256. University of Minnesota, Minneapolis, Minn. Photographs, charts, students' work, etc. Gal. A, A-7 851
257. University of the South, Sewanee, Tenn. Photographs of buildings. Gal. I, W-1 851
258. University of Oregon, Eugene, Ore. Catalogues, photographs, diagrams, etc. Gal. A, D-17 851
259. University of Pennsylvania, Philadelphia. Maps, publications, collections, etc. Gal. K, H-8 851
260. University of the City of New York, New York. Maps, apparatus, models, photographs, etc. Gal. K, K-8 851
261. University of the State of Missouri, Columbia, Mo. Students' work. Gal. I, V-17 851
262. University of the State of New York. System of incorporation and supervision. Gal. K, K-6 851
263. Vassar College, Poughkeepsie, N. Y. Photographs, books, methods, etc. Gal. K, K-6 851
264. Way, Miss Leota, Harris, Col. Designs for wall paper. Gal. F-U-103 846
265. Wellesley College, Wellesley, Mass. Photographs, charts, etc. Gal. K, O-6 851
266. Western University of Pennsylvania, Allegheny, Pa. Photographs and publications. Gal. K, H-8 851
268. Wilberforce University, Wilberforce, Ohio. Model of university building containing literary and industrial exhibit. Gal. I, Truss, T-11 851
269. Willamette University, Salem, Ore. Students' work. Gal. A, D-17 851
270. Williams College, Williamstown, Mass. Photographs, books, instruments, etc. Gal. K, O-6 851
271. Wisconsin, State of. Educational exhibit. Gal. A, D-7 850
272. Wisconsin State Normal Schools. Collective exhibit from schools at Milwaukee, Oshkosh, Platteville, River Falls and Whitewater. Gal. A, D-7 852
273. Wisconsin State University, Madison, Wis. Work of students and graduates, photographs, etc. Gal. A, D-7 851
274. Woman's Art School of Cooper Union, New York. Students' work. Gal. A, Truss, F-11 846
275. Woman's College of Baltimore, Baltimore, Md. Art collection, chemical preparations, models, views, etc. Gal. I, V-7 851
276. Woman's Medical College of Pennsylvania, Philadelphia. Photographs, etc. Gal. I, Z-8 852
277. Yale University, New Haven, Conn. Maps, photographs, books, models, etc. Gal. K, U-6 851

GROUP 150.

Literature, Books, Libraries, Journalism.

278. Albert, Scott, & Co., Chicago. School books. Gal. E, D-108 855
279. American Bank Note Company, New York. Bank note engraving and lithographing. Gal. E, N-108 854
280. American Lithographic Company, New York. Art and commercial lithographs. Gal. E, M-105 854
281. Appleton, Daniel & Co., New York. Books. Gal. D, D-108 854
282. Bardeen, C. W., Syracuse, N. Y. School publications, maps, supplies, etc. Gal. E, K-108 855
283. Barrie, George, Philadelphia. Books and engravings. Gal. E, G-108 854
284. Betz, Carl, Kansas City, Mo. Gymnastic manuals. Gal. E, I-108 855

UNITED STATES.

285. Bonaventure, E. F., New York. Books, bindings, manuscripts, etc. Gal. E, K-109 854
286. Britannica Publishing Company, of Chicago. Encyclopædia. Gal. E, F-107 854
287. Brodix Publishing Co., Washington, D. C. Monthly magazine. Gal. F, U-103 854
288. Campbell, J. B., Chicago. Illustrated magazine and lithographs. Gal. D, C-108 857
289. Central School Supply House, Chicago. School supplies. Gal. E, F-105 855
290. Century Company, New York. Books, magazines, drawings and materials for wood engraving. Gal. E, D-109 854
291. Colby & Co., New York. Historical charts. Gal. E, E-107 854
292. Columbian Art Engraving & Publishing Co., Philadelphia. Engravings and half-tone reproductions. Gal. E, L-106 854
293. Davis, F. A., Company, Philadelphia. Medical books, charts and periodicals. Gal. E, E-103 854
294. Dickert, Miss Clara, Chicago. Relief map of Palestine. Gal. F, U-103 864
295. Donham, G. M., Portland, Me. Maine state year book. Gal. E, I-108 862
296. Duprat & Co., New York. Books. Gal. E, E-108 854
297. Educational Publishing Company, Boston. Text-books. Gal. E, E-106 855
298. Estes & Lauriat, Boston. Books. Gal. E, K-109 854
299. Fairbank & Rolison, Chicago. School books. Gal. E, E-107 855
300. Fishel, Adler & Schwartz, New York. Engravings, etchings, etc. Gal. E, L-107 854
301. Flanagan, A., Chicago. Teachers' books, charts, maps, apparatus, etc. Gal. E, D-108 855
302. Freund, Wm., & Sons, Chicago. Copper plate and steel die work. Gal. E, L-108 854
303. Gallison & Hobron Co., Chicago. *a* Engravings. Gal. E, K-108 854
b Trade journals. 860
304. Ginn & Co., Boston. School books, charts, etc. Gal. E, E-107 855
305. Godey Publishing Company, New York. Magazines. Gal. E, H-109 854
306. Good Health Publishing Company, Battle Creek, Mich. Books, pamphlets, etc. Gal. E, E-104 854
307. Gugler Lithographic Company, Milwaukee, Wis. Lithographs. Gal. E, K-105 854
308. Harper Bros., New York. *a* Books, magazines, drawings, engravings, etc. Gal. E, E-109 854
b Illustrated papers. 857
309. Heath, D. C., & Co., Boston. School books, charts, maps, etc. Gal. E, E-106 855
310. Hoover, Joseph, Philadelphia. Lithographic fac-similes of pastels and water colors. Gal. E, K-105 854
311. Houghton, Mifflin & Co., Boston. Books and magazines. Gal. E, F-108 854
312. Illustrated American Publishing Company, New York. Art magazine. Gal. E, K-109 857
313. Interstate Publishing Company, Boston. School books, charts, etc. Gal. E, E-103 855
314. Judd, Orange, Company, New York. Books and periodicals. Gal. E, F-103 854
315. Keener, Wm. T., Chicago. Medical books. Gal. E, F-104 854
316. Kellogg, E. L., & Co., New York. School books, charts, maps, appliances, etc. Gal. E, D-108 855
317. Leach, Shewell & Sanborn, Boston. School books. Gal. E, E-107 855
318. Levytype Company, Philadelphia. Engravings, prints, etc. Gal. E, K-104 854
319. Lieber, B. Franklin, New York. Telegraphic cipher and manual. Gal. E, I-108 854
320. Lippincott, J. B., Company, Philadelphia. Books. Gal. E, E-108 854
321. Lovell, A., & Co., New York. School books, charts, etc. Gal. E, E-106 855
322. Manufacturers' Publishing Company, New York. Directory of manufacturers. Gal. E, E-108 860
323. Marks, Montague, New York. Methods of illustrating an art magazine. Gal. D, D-108 857
324. McClurg, A. C., & Co., Chicago. Books. Gal. E, F-108 854
325. Merck & Co., New York. Drug and medical trade journals. Gal. D, F-98 860
For exhibit see pages 220 and 221.
326. Merriam, G. & C. Co., Springfield, Mass. Webster's dictionaries. Gal. E, E-109 854
327. Morgan, W. J., & Co., Cleveland, Ohio. Lithograph. Gal. E, K-105 854
328. Moss Engraving Company, New York. Engravings. Gal. E, L-106 854
329. National Christian Science Co., Chicago. Books, pamphlets, tracts, etc. Gal. D, B-108 854
330. New England Publishing Company, Boston. Teachers' books and periodicals. Gal. E, E-107 855
331. North American Review, New York. Bound volumes, manuscripts, portraits, etc. Gal. D, B-108 854
332. Open Court Publishing Company, Chicago. Books, magazines and charts. Gal. E, C-108 854
333. Park Commissioners of Boston, Boston. Maps and photographs of park system. Gal. K, N-1 864
334. Phonographic Institute, Cincinnati. Phonographic text-books. Gal. E, I-108 855
335. Plimpton, Geo. A., New York. Historical collection of school books. Gal. E, E-107 855
336. Post, Alfred A., Boston. Volapük literature. Gal. E, I-108 458

DEPARTMENT L.—LIBERAL ARTS.

337. Prang, L., & Co., Boston. Chromolithographic art prints.
Gal. E, K-108 854
338. Rand, McNally & Co., Chicago.
Gal. E, M-108
a Books, printing, engraving, etc. 854
b Maps, globes, etc. 864
339. Revell, Fleming H, Company, Chicago. Books and periodicals.
Gal. E, E-108 854
340. Salem Press Publishing & Printing Co., Salem, Mass. Books, charts, engravings.
Gal. E, I-108 854
341. Schedler, Hermann, New York.
a Lithographs. Gal. E, L-107 854
b Geographical globes. 864
342. Scholl, Bruno, Brooklyn, N. Y. Show posters.
Gal. E, M-103 854
343. Scribner's, Charles, Sons, New York. Books, magazines, manuscripts, drawings, engravings, etc. Gal. E, G-108 854
344. Sheldon, Mrs. May F., Chicago. Books of travel. Gal. F, U-103 854
345. Shober & Carqueville Lithographing Co., Chicago. Lithographs.
Gal. E, L-106 854
346. Silver, Burdett & Co., Boston. School books, charts, maps, etc.
Gal. E, E-105 855
347. Stearns, Norman W., Middleboro, Mass. Samoan manuscripts.
Gal. E, F-108 854
348. Tuchfarber, F., Company, Cincinnati. Show cards. Gal. E, L-105 854
349. University Publishing Company, New York. School text-books.
Gal. E, E-105 855
350. Watson, Stephen M., Portland, Me. Magazine. Gal. E, I-108 854
351. Wells, Charles R., Syracuse, N. Y. System of penmanship.
Gal. E, K-108 855
352. Western Bank Note & Engraving Co., Chicago. Steel plate and lithographic engravings.
Gal. E; M-108 854
353. White, James T., & Co., New York. Cyclopædia of biography.
Gal. E, I-108 854
354. Wilson, G. H., Boston. Musical publications. Gal. E, F-107 854
355. Wood, Wm., & Co., New York. Medical books. Gal. E, F-103 854
356. Zeese, A., & Co., Chicago. Process engravings, electrotypes, etc.
Gal. E, K-104 854
- GROUP 151.**
- Instruments of Precision, Experiment, Research and Photography.**
Photographs.
357. Albertype Company, New York. Albertypes. Gal. E, O-103 871
358. Albright, Franc Luse, Albuquerque, New Mexico. Amateur photographs.
Gal. F, U-103 871
359. Alexander, Louis, Brooklyn, N. Y. Optical goods. Gal. E, R-101 874
360. Altenecker, Theo., & Sons, Philadelphia. Drawing instruments.
Gal. E, M-103 867
361. American Aristotype Company, Jamestown, N. Y. Photographs on aristo paper. Gal. E, Q-103 871
362. American Cash Register Company, Chicago. Cash register. Gal. E, R-101 865
363. Anthony, E. & H. T., & Co., New York. Photographic apparatus and supplies. Gal. E, P-103 871
For exhibit see page 1050.
364. Appleton, J. M., Dayton, O. Photographs. Gal. E, N-104 871
365. Aune, Portland, Ore. Photographs. Gal. E, P-104 871
366. Baker's Art Gallery, Columbus, O. Photographs. Gal. E, N-105 871
367. Ball-Ball Company, Limited, Philadelphia. Drawing instruments.
Gal. E, N-103 867
368. Bausch & Lomb Optical Co., Rochester, N. Y. Optical goods.
Gal. E, P-101 874
369. Beehler, William H., Baltimore, Md. Solarometers. Gal. E, N-102 866
370. Blair Camera Company, Boston. Photographic apparatus.
Gal. E, Q-103 871
371. Boston Cash Register Company, Northampton, Mass. Cash registers.
Gal. E, S-102 865
372. Brashear, Jno. A., Allegheny, Pa. Telespectroscopes, telescopes, spectroscopes, etc. Gal. E, N-102 866
373. Breese, James L., New York. Carbon portraits and reproductions.
Gal. E, N-108 871
374. Buff & Berger, Boston.
a Surveyors' instruments. Gal. E, M-101 867
b Engineers' instruments. 868
375. Chicago Photogravure Company, Chicago. Photogravures.
Gal. E, O-103 871
375. Clark, D. R., Chicago. Photographs. Gal. E, P-108 871
377. Commercial Adding Machine Company, St. Louis. Registering accountants. Gal. E, R-102 865
378. Conant, Hezekiah, Pawtucket, R. I. Clocks, etc. Gal. E, N-103 873
379. Cox, George C., New York. Photographs. Gal. E, O-107 871
380. Dana, Edw. C., New York. Photographs. Gal. E, O-108 871
381. Davis & Cook, Watertown, N. Y. Spirit levels. Gal. E, N-102 868
382. Davis & Sanford, New York. Photographs and photogravures.
Gal. E, O-104 871
383. Dayton Autographic Register Company, Dayton, Ohio. Autographic triplicate registers. Gal. E, S-101 865
384. Eastman Kodak Company, Rochester, N. Y. Photographic goods.
Gal. E, P-103 871
385. Eddy, Geo. M., & Co., Brooklyn, N. Y. Measuring tapes. Gal. E, R-101 865
386. Electro-Tint Engraving Company, Philadelphia. Half-tone engravings.
Gal. E, P-103 871
387. Elliott, J. M., Columbus, Ohio. Photograph. Gal. E, N-104 871
388. Farnsworth, Emma J., Albany, N. Y. Amateur photographs. Gal. F, U-103 871

UNITED STATES.

389. Fauth & Co., Washington, D. C. Telescopes, astronomical apparatus, and geodetic instruments. Gal. E, truss M-101 866
390. Geneva Optical Company, Chicago. Optical goods. Gal. E, Q-102 874
391. Gramm, Carl T., Keokuk, Iowa. Photomicrographs. Gal. D truss 98 871
392. Gundlach Optical Company, Rochester, N. Y. Gal. E, O-102 866
a Telescopes. 866
b Photographic lenses. 871
c Microscope stands, etc. 874
393. Gurley, W. & L. E., Troy, N. Y. *a* Surveyors' instruments. Gal. E, truss M-101 867
b Civil engineers' instruments. 868
 For exhibit see page 642.
394. Gutekunst, The F., Company, Philadelphia. Photographic portraits and photo-mechanical printing. Gal. E, N-108 871
395. Hardy, F. A., & Co., Chicago. Optical instruments and apparatus for fitting the eyes. Gal. E, truss R-101 874
396. Harrison, Thomas, Chicago. Photographs. Gal. E, O-108 871
397. Hatton, M. F., Princeton, Ind. Photographs. Gal. E, P-106 871
398. Heimberger, C., & Son, New Albany, Ind. Photographs. Gal. E, P-104 871
399. Heinrich, H. H., New York. Chronometers. Gal. E, N-102 873
400. Inglis, James, Chicago. Bromide photographs. Gal. E, S-103 871
401. Jackson, W. H., Photograph & Publishing Co., Denver, Col. Photographic views of landscape. Gal. E, P-103 871
402. Keuffel & Esser, New York. Surveying instruments and drawing materials. Gal. E, M-103 867
403. Keystone Blue Paper Company, Philadelphia. Photographic and drawing papers. Gal. E, S-103 871
404. Keystone Dry Plate & Film Works, Philadelphia. Photographs, dry plates and specialties. Gal. E, R-103 871
405. Klein, George J., Chicago. Photographs. Gal. E, P-107 871
406. Landy, James, Cincinnati. Photographs. Gal. E, N-106 871
407. Levy, Max, Philadelphia. Engraved photographic screens. Gal. E, M-107 871
408. Long, Mrs. J. G., Chester, Pa. Amateur photographs. Gal. F, U-103 871
409. Manasse, L., Chicago. *a* Meteorological instruments. 287
 Gal. E, Q-101
b Optical goods. 874
410. McAllister, T. H., New York. Stereopticons, magic lanterns, etc. Gal. E, M-103 874
411. McIntosh Battery & Optical Co., Chicago. Gal. E, N-103
a Optical apparatus. 874
b Electrical apparatus, etc. 875
412. McMichael, H., Buffalo, N. Y. Photographic studies. Gal. E, N-107 871
413. Morrison, William M., Chicago. Photographs. Gal. E, P-107 871
414. National Cash Register Company, Dayton, Ohio. Cash registers. Gal. E, T-102 865
415. Northwestern University, Evanston, Ill. Barometers, chronograph, etc. Gal. E, N-101 872
416. Pach Bros., New York. Photographs. Gal. E, N-107 871
417. Photo-Materials Company, Rochester, N. Y. Photographic apparatus and supplies, portraits, etc. Gal. E, T-103 871
418. Place, Frank A., Chicago. Photographs and portraits. Gal. E, P-107 871
419. Queen & Co., Philadelphia. *a* Optical goods. Gal. E, Q-102 874
b Scientific apparatus for technical and educational work. Gal. E, truss N-101 867
420. Radam, Wm., New York. Microphotographs. Gal. E, O-104 871
421. Randall, H., Ann Arbor, Mich. Photographs. Gal. E, O-106 871
422. Rau, Wm. H., Philadelphia. Photographs and lantern slides. Gal. E, O-108 871
423. Rhodes, R. S., Chicago. Audiphones. Gal. E M-103 876
424. Robinson, S. W., Columbus, Ohio. Velocity meter and templet odontograph. Gal. E, N-101 867
425. Rogers, William A., Waterville, Me. Standards of length; comparing and graduating machines. Gal. E, truss N-101 865
426. Root, W. J., Chicago. Photographs and portraits. Gal. E, P-108 871
427. Savage, C. R., Salt Lake City, Utah. Photographic views. Gal. E, P-104 871
428. Scholl, J. B., Chicago. Photographs. Gal. E, P-107 871
429. Schumacher, F. G., Los Angeles, Cal. Photographs. Gal. E, P-105 871
430. Scott, O. P., Chicago. Photographs. Gal. E, P-108 871
431. Slade, Elizabeth Almy, New York. Amateur photographs. Gal. F, U-103 871
432. Spencer Optical Manufacturing Company, New York. Optical goods. Gal. E, truss P-101 874
433. Standard Manufacturing Company, East Stroudsburg, Pa. Cash register. Gal. E, S-102 865
434. Steckel, Geo., Los Angeles, Cal. Platinotypes, and albumen and aristoprints. Gal. E, O-105 871
435. Stein & Rosch, Chicago. Photographs, portraits, genre and architectural views. Gal. E, N-108 871
436. Strauss, Julius C., St. Louis. Photographs. Gal. E, P-108 871
437. Warner & Swasey, Cleveland, O. Telescopes and chronograph. Gal. E, O-101 866
438. Willis & Clements, Philadelphia. Platinotype photographs. Gal. E, O-108 871
439. Woodbridge, Mrs. L. D., Chester, Pa. Amateur photographs. Gal. F, U-103 871
440. Yates, Arthur P., Syracuse, N. Y. Bromide print. Gal. E, P-103 871
441. Young & Sons, Philadelphia. *a* Surveying and mining instruments. Gal. E, truss M-101 867
b Engineering instruments. 868
442. Zentmayer, Joseph, Philadelphia. Microscopes. Gal. E, truss P-101 874

DEPARTMENT L.—LIBERAL ARTS.

GROUP 152.

Civil Engineering, Public Works, Constructive Architecture.

443. Allen, F. S., Joliet, Ill. School architecture. Gal. E, W-108 889
444. Berry, Washington, Angel Island, Cal. Sash balance and lock. Gal. E, S-109 889
445. Bodine Roofing Company, Mansfield, O. Wood fibre roofing, etc. Gal. E, Q-108 889
446. Byrkit-Hall Sheathing Lath Company, Chicago. Wooden sheathing-lath. Gal. E, S-109 889
447. Dormitzen, Mrs. Henry, New York. Window seats and platforms. Gal. F, U-103 889
448. Gardner Sash Balance Company. Sash balance. Gal. E, Q-109 889
449. Greene, Francis V., & Mary A., Philadelphia. Reversible window. Gal. E, R-109 889
450. Habel, Peter, Chicago. Reversible window. Gal. E, R-109 889
451. Landis, I. L., Lancaster, Pa. Metallic curbing. Gal. E, U-108 879
452. McMillan Sash Balance Company, Pittsburg, Pa. Sash balance and locks. Gal. E, Q-109 889
453. Nichols, Mrs. Minerva Parker, Philadelphia. Photographs of architectural designs. Gal. F, U-103 889
454. Page, Harvey L., Washington, D. C. Architectural photographs. Gal. E, Y-108 889
455. Poppert, George, Milwaukee, Wis. Blinds, doors and stairs. Gal. E, P-109 889
456. Rendle & Co., A. Edgumbe, Philadelphia. Glass roofing. Gal. E, V-108 889
457. Santi, Philip Louis, New York. Architectural plans. Gal. E, X-108 889
458. Schaeffer, F. W., Chicago. Cornice work. Gal. E, T-109 889
459. Sykes Iron & Steel Roofing Co., Niles, O. Pagoda house. Gal. E, T-108 889
460. Taylor, Samuel C., Chicago. Reversible window. Gal. E, R-109 889
461. Tracy, Mrs. Harriet Ruth, New York. Automatic elevator. Gal. F, U-103 889
462. Wall, Wm. E., Somerville, Mass. Graining. Gal. E, T-109 889
463. Willer Manufacturing Company, Milwaukee, Wis. Window blinds and screens. Gal. E, S-108 889
464. Wilson, Jas. G., New York. Shutters, blackboards, doors, etc. Gal. E, O-109 889
465. Wolfenden, Mrs. J. H., Highlands, Col. Apparatus for removing and replacing windows. Gal. F, U-103 889

GROUP 153.

Government and Law.

466. Cutler Manufacturing Company, Rochester, N. Y. Mail chutes and boxes. Gal. E, U-108 893

467. Hess Postal Facility & Supply Co., Philadelphia. Postal boxes. Gal. E, T-108 893
468. State of New York, Comptroller's Office. Reports, documents, historical data, etc. Gal. E, T-108 890
469. State of New York, Insurance Department. Reports, documents, statistics, etc. Gal. E, T-108 890
470. State of New York, Treasurer's Department. Documents, statistics, reports, etc. Gal. E, U-108 890
471. Stoner, Mrs. James M., Denver, Col. Mail box. Gal. F, U-103 893
472. United States Mailing Case Company, Boston. Mailing cases for liquids. Gal. E, N-105 893
473. United States Trade Mark Association, New York. Trade marks, literature and laws. Gal. E, U-107 892

GROUP 154.

Commerce, Trade and Banking.

474. Abbott Machine Company, Chicago. Check perforators, canceling machines, money changers, etc. Gal. E, T-106 898
475. American Vending Machine Company, New York. Vending machines. Gal. E, T-105 898
476. Cary, Jr., Mrs. James, Baltimore. Chart and stamp system at Young Women's Christian Ass'n. Gal. F, U-103 903
477. Durant, W. N., Milwaukee, Wis. Printing-press counters, turn-stiles, etc. Gal. E, T-107 898
478. Lamson Consolidated Store Service Company, Boston. Cash and parcel carriers, mailing cases, etc. Gal. E, T-103 898
479. Lamson Store Equipment Company, Boston. Registering measuring machines. Gal. E, T-105 898
480. Lightning Check Punch Company, Bridgeport, Conn. Check punches, etc. Gal. E, U-107 898
481. New York Life Insurance Company, New York. Diagrams, etc. Gal. E, T-108 902
- For exhibit see page 1007.
482. Standard Autograph Time Recorder Company, Boston. Time recorder. Gal. E, T-107 898

GROUP 156.

Social, Industrial and Co-operative Associations.

483. Grand Lodge of Good Templars of Illinois. Development of the order. Gal. E, V-109 917

GROUP 157.

Religious Organizations and Systems—Statistics and Publications.

484. American Bible Society, New York. Bibles, Testaments, and portions in various languages. Gal. D, A-101 922
485. American Humane Ass'n, Chicago, Ill. Work of the society in preventing cruelty to animals and children. Gal. E, V-108 927
486. American Peace Society, Boston. Books, treaties, diagrams, etc. Gal. D, A-98 924

UNITED STATES.

487. American Tract Society, New York. Evangelical publications, methods of Gospel work, etc. Gal. D, A-99 922
488. Church of Christ. (Disciples.) Development and progress. Gal. D, A-102 919
489. Church of the United Brethren in Christ in the World. Development and progress. Gal. D, C-102 919
490. Concordia Publishing House, St. Louis. Publications of the Lutheran church. Gal. E, E-104 922
491. Congregational Denomination in America. Development and progress. Gal. D, A-102 919
492. Lutheran Church of America. Church development. Gal. D, B-102 919
493. Methodist Episcopal Church. Development and progress. Gal. D, A-103 919
494. National Christian Association. Portraits, drawings, publications, etc. Gal. D, A-104 924
495. National Temperance Society, New York. Books, pamphlets, tracts and charts. Gal. D, A-104 924
496. New Jerusalem Church of America. Church work. Gal. D, B-102 919
497. Norwegian Evangelical Lutheran Church of America. Publications. Gal. D, B-102 919
498. Presbyterian Church in the United States. Development and progress. Gal. D, A-102 919
499. Seventh Day Baptist Denomination. Books, papers, photographs, etc. Gal. D, C-102 919
500. Unitarian Church in the United States. Books, charts, maps, etc. Gal. D, B-102 919
501. United Society of Christian Endeavor. Development and progress. Gal. D, A-98 924
502. Universal Peace Union, Washington. Books, arbitration rules, portraits, etc. Gal. D, A-98 924
503. Young Men's Christian Association. Association exhibit. Gal. D, A-102 924
- GROUP 158.**
- Music and Musical Instruments—The Theatre.**
504. Albert, C. F., Philadelphia.
a Violins, violas, etc. Sec. I, P-4 929
b Musical accessories. 936
505. Albert, Eugene J., Philadelphia.
a Violins, viola, violoncello, etc. Sec. I, P-4 929
b Violin tail-piece. 936
506. Albert, John, Philadelphia. Double bass viol. Sec. I, P-4 929
507. Bacon, Francis, New York. Pianos. Sec. I, U-3 930
508. Banks, John W., Chicago. Guitars. Sec. I, T-3 928
509. Barckhoff, Carl, Church Organ Company, Salem, Ohio. Pipe organ. (Music Hall.) 935
510. Bauer, Julius, & Co., Chicago. Pianos. Sec. I, R-8 930
511. Behr Bros., Company, New York. Pianos. Sec. I, P-8 930
512. Bent, Geo. P., Chicago.
a Pianos. Sec. I, P-6 930
b Reed organs. 935
513. Boardman & Gray, Albany, N. Y. Pianos. Sec. I, Truss, R-8 930
514. Bohmann, Joseph, Chicago.
a Mandolins, zithers, guitars, banjos. Sec. I, P-3 928
b Violins, violas, cellos. 929
515. Brainard's, S., Sons Company, Chicago. Sheet music, books, etc. Sec. I, W-7 926
516. Bush & Gerts Piano Co., Chicago. Pianos. Sec. I, U-8 930
517. Carpenter, E. P., Company, Brattleboro, Vt. Reed organs. Sec. I, T-5 925
518. Chase, The A. B., Company, Norwalk, Ohio. Pianos. Sec. I, U-9 930
519. Chase Bros., Piano Company, Muskegon, Mich. Pianos. Sec. I, N-7 930
520. Chicago Cottage Organ Company, Chicago.
a Pianos. Sec. I, P-4 930
b Reed organs. 935
 For exhibit see pages 364 and 873.
521. Chickering & Sons, Boston. Pianos. Sec. I, N-2 930
 For exhibit see page 368.
522. Clark, A. B., Richmond, Ind. Violins. Sec. I, Q-4 929
523. Colby Piano Company, Erie, Pa. Pianos. Sec. I, X-8 930
524. Coleman, Harry, New York. Brass musical instruments. Sec. I, P-3 933
525. Columbian Organ & Piano Co., Grand Crossing, Ill. Reed organs. Sec. I, T-3 935
526. Conn, C. G., Elkhart, Ind. Band instruments. Sec. I, Q-1 927-931-934
527. Consolidated Manufacturing Company, Boston. Pianos. Sec. I, T-6 930
528. Dickinson Ivory Company, Centerbrook, Conn. Piano keys, etc. Sec. I, R-6 930
529. Ditson, Oliver, Company, Boston. Sheet music and music books. Sec. I, W-8 926
530. Dolge, Alfred and Son, New York. Pianoforte materials. Sec. I, Y-8 930
531. Edna Piano & Organ Co., Monroeville, Ohio. Reed organs and materials. Sec. I, T-4 935
532. Estey Organ Company, Brattleboro, Vt. Reed organs. Sec. I, O-3 935
 For exhibit see page 1038.
533. Estey Piano Company, New York. Pianos. Sec. I, O-3 930
534. Everett Piano Company, Boston. Pianos. Sec. I, Truss, P-8 930
535. Fischer, J. & C., New York. Pianos. Sec. I, Truss, N-8 930
536. Flechter, Victor S., New York.
a Violins, violas, etc. Sec. I, Q-6 929
b Musical accessories. 936
537. Foote, J. Howard, Chicago.
a Guitars, mandolins, etc. Sec. I, Q-3 928
b Flutes. 931
c Cornets, horns, etc. 934
538. Fort Wayne Organ Company, Fort Wayne, Ind. Reed organs. Sec. I, S-6 935
539. Friedrich, John, & Bro., New York. Violins, violas, etc. Sec. I, R-6 929

DEPARTMENT L.—LIBERAL ARTS.

540. Fuller, Levi K., Brattleboro, Vt. Tuning forks. Sec. I, V-3 936
541. Gemunder, August, & Sons, New York. Violins, cellos, violas, guitars, etc. Sec. I, Q-6 929
542. Gerold, C. A., Chicago. Pianos. Sec. I, X-7 930
543. Hallet & Davis Piano Manufacturing Co., Boston. Pianos. Sec. I, O-2 930
544. Hardman, Peck & Co., New York. Pianos. Sec. I, N-5 930
545. Harrington, E. G., & Co., New York. Pianos. Sec. I, O-5 930
546. Hartman Bros. & Reinhard, New York. Guitars, zithers, mandolins etc. Sec. I, S-5 928
547. Haynes, John C., & Co., Boston. *a* Guitars, banjos, mandolins and zithers. Sec. I, S-1 928
b Violins. 929
548. Heskett, H. H., Minneapolis, Minn. Violins. Sec. I, R-5 929
549. Hinze, C., Chicago. Pianos. Sec. I, X-7 930
550. Ivers & Pond Piano Co., Boston. Pianos. Sec. I, W-8 930
551. Jacob Bros., New York. Pianos. Sec. I, T-7 930
552. Keller Bros. & Blight, Bridgeport, Conn. Pianos. Sec. I, U-5 930
553. Kimball, W. W., Company, Chicago. *a* Pianos. Sec. I, P-8 930
b Reed organs. 935
554. Kranich & Bach, New York. Pianos. Sec. I, N-8 930
555. Kreling, F. W. & Sons, San Francisco. Banjos and banjorines. Sec. I, R-6 928
556. Krell, Albert, Cincinnati. Violins, etc. Sec. I, P-5 929
557. Krell Piano Company, Cincinnati. Pianos. Sec. I, X-8 930
558. Lawrence Organ Manufacturing Company, Easton, Pa. Reed organs. Sec. I, T-6 935
559. Lehr, H., & Co., Easton, Pa. Reed organs. Sec. I, T-6 935
560. Lyon & Healy, Chicago. *a* Drums, cymbals, etc. Sec. I, R-3 927
b Guitars, banjos, zithers, etc. 928
c Violins, violoncellos, etc. 929
d Flageolets, fifes, etc. 931
e Pipe and reed organs. 935
f Musical accessories. 936
561. MacKenzie, J. A., Minneapolis, Minn. Piano-harps and harpello. Sec. I, S-1 928
562. Mannello, Angelo, New York. Mandolins and mandolas. Sec. I, T-3 928
563. Mason & Hamlin Organ and Piano Co., Boston. *a* Pianos. Sec. I, P-1 930
b Organs. 935
564. Mason & Risch, Worcester, Mass. Reed organs. Sec. I, U-1 935
- 564a. Mehlin Piano Co., Minneapolis, Minn. Pianos. Sec. I, O-6 930
565. Meneely, Clinton H., Bell Company, Troy, N. Y. Chime of bells. 927
(Central clock tower.)
566. Meyer, C. & Sons, Philadelphia. Pianos. Sec. I, T-7 930
567. Miller, Henry F., & Sons Piano Co., Boston. Pianos. Sec. I, V-6 930
568. National Music Company, Chicago. Sheet music, books, etc. Sec. I, W-7 926
569. Needham Piano & Organ Co., New York. *a* Pianos. Sec. I, Q-6 930
b Reed organs. 935
570. Nelson, H. C., Chicago. Banjos. Sec. I, T-3 928
571. Newman Bros., Chicago. Reed organs. Sec. I, S-6 935
572. Pepper, J. W., Philadelphia. Band instruments. Sec. I, P-1 927-928-933-934
573. Phonoharp Company, Boston. Phonoharps and zithers. Sec. I, R-1 928
574. Pick, Miss Libbie, Chicago. Music cabinet attachment. Gal. F, U-103 936
575. Reed, A., & Sons, Chicago. Pianos. Sec. I, O-7 930
576. Rice-Macy Piano Company, Chicago. Pianos. Sec. I, V-7 930
577. Schomacker Pianoforte Manufacturing Company, Philadelphia. Pianos. Sec. I, N-6 930
For exhibit see page 1006.
578. Schubert Piano Company, New York. Pianos. Sec. I, U-7 930
579. Shaw Piano Company, Erie, Pa. Pianos. Sec. I, X-7 930
580. Shoninger, B., Company, New Haven, Conn. *a* Pianos. Sec. I, R-6 930
b Reed organs. 935
581. Sohmer & Co., New York. Pianos. Sec. I, Truss R-8 930
For exhibit see page 429.
582. Staples, Lucie, San Francisco. Pianoforte harmony instructor. Gal. F, U-103 926
583. Starr, James M., & Co., Richmond, Ind. Pianos. Sec. I, X-8 930
584. Stewart, S. S., Philadelphia. Banjos. Sec. I, S-4 928
585. Stieff, Charles M., Baltimore, Md. Pianos. Sec. I, O-4 930
586. Story & Clark Organ Co., Chicago. Reed organs. Sec. I, F-6 935
587. Strauch Bros., New York. Piano actions. Sec. I, S-6 930
588. Summy, Clayton F., Chicago. Music books, charts and music-education material. Sec. I, W-7 926
589. Tonk Manufacturing Company, Chicago. Piano stools, scarfs, music cabinets, etc. Sec. I, V-8 936
590. Toye, William H. R., Philadelphia. Mandolins, guitars, banjos, etc. Sec. I, T-3 928
591. Trenton Iron Co., Trenton, N. J. Music wire. Sec. I, S-6 930
592. Vanduzen & Tift Co., Cincinnati, O. Chime of bells. (S. E. Bell Tower, Machinery Hall) 927
593. Vose & Sons Piano Co., Boston. Pianos. Sec. I, V-8 930
594. Waterloo Organ Co., Waterloo, N. Y. *a* Pianos. Sec. I, Y-8 930
b Reed organs. 935
595. Wegman & Co., Auburn, N. Y. Pianos. Sec. I, X-6 930

UNITED STATES.

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| <p>596. Wessell, Nickel & Gross, New York.
Piano actions and parts. Sec. I, T-5 930</p> <p>597. Western Cottage Organ Company,
Ottawa, Ill. Reed organs. Sec. I, T-6 935</p> | <p>598. Wildman, L. P., Danbury, Conn.
Violins. Sec. I, R-5 929</p> <p>599. Zimmermann, C.F., Company, Dolgeville, N. Y. Autoharps. Sec. I, R-1 928</p> |
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BUREAU OF CHARITIES AND CORRECTION.

Exhibits Installed in Section F of Anthropological Building.

The classification of this bureau of the Department of Liberal Arts is divided into six divisions, as follows:

- A—The care and treatment of the mentally defective.
- B—The care and treatment of the sick and injured.
- C—The care and treatment of dependent and delinquent children.
- D—The care and treatment of adult poor and paupers.
- E—The punishment and reformation of adult delinquents.
- F—Descriptive and statistical exhibits of the government and supervision, the capacity and population of the charitable and penal institutions of the States, and miscellaneous.

DIVISION A.

The Care and Treatment of the Mentally Defective.

1. Asylum for the Insane, Athens, O. Architectural plans, photographs, literature and specimens of patients' work. F-Y-14
2. Asylum for the Insane, Cleveland, O. Architectural plans, photographs, statistics, specimens of patients' work, literature. F-Y-14
3. Asylum for the Insane, Columbus, O. Architectural plans, photographs, literature and specimens of patients' work. F-Y-14
4. Asylum for the Insane, Toledo, O. Architectural plans, photographs, literature and specimens of patients' work. F-Y-14
5. Boston Lunatic Hospital, Boston. Architectural plans, photographs, literature. F-Y-14
6. Custodial Asylum for Feeble-Minded Women, Newark, N. J. Model and photographs. F-Y-13
7. Eastern Ohio Insane Hospital. Topographical sketch and plans. F-Y-14
8. Insane Asylum, Dayton, O. Plans, photographs, literature and specimens of patients' work. F-Y-14
9. Longview Insane Asylum, Carthage, O. Plans, photographs, specimens of patients' work. F-Y-14
10. Lynch M'f'g Co., Madison, Wis. Restraint appliances for the insane. F-Y-13
11. McLean Hospital, Somerville, Mass.
 - a Model, plans, photographs, statistics and literature of hospital.
 - b Photographs, statistics and literature of training school for nurses to the insane. F-Y-12
12. Maine Insane Hospital, Augusta, Me. Architectural plans, photographs, statistics, literature. F-Y-11

13. Michigan, State of. Charts, photographs and illustrations of the work of the institutions for the insane at Kalamazoo, Pontiac and Traverse City. F-Y-12
14. Minnesota Hospital for the Insane, St. Peter, Minn. Photographs, uniforms, etc. F-Y-11
15. Minnesota Second Hospital for Insane, Rochester, Minn. Photographs, model of tank for treatment of sewage, uniforms, etc. F-Y-11
16. Northern Indiana Hospital for Insane, Logansport, Ind. Photographs, statistics, etc. F-Y-11
17. Ohio Institution for Epileptic Insane. Topographical sketch and plans. F-Y-14
18. Utica State Hospital, Utica, N. Y. Model of infirmary building, photographs, statistics, samples of patients' work. F-Y-12

DIVISION B.

The Care and Treatment of the Sick and Injured.

19. Allen, Mary E., New York. Invalid chair. F-W-15
20. Barnwell, Miss C. C., Baltimore. Description of dispensary for plaster jackets. F-W-9
21. Boston City Hospital, Boston. Architectural plans, photographs, literature, statistics, models of appliances of hospital and training school for nurses. F-X-10
22. Cancer Hospital for Women, New York. Photographs and literature. F-W-12
23. Dugot, Mrs. B. A., Mallet Creek, O. Combined douche and bed pan. F-X-15
24. Evening Dispensary for Women and Children, Baltimore. Descriptive charts. F-W-9

DEPARTMENT L.—LIBERAL ARTS.

25. Fitch Accident Hospital, Buffalo, N. Y. Photographs and statistics. F-W-9
26. Hale, Seth P. H., Williamsville, Mass. Apparatus for moving invalids. F-W-15
27. Hawley, Mary A., Dixon, Ill. Invalid's table. F-X-15
28. Instructive District Nursing Association, Boston. Statistics and literature.
29. Jewish Hospital Association, Philadelphia. Photographs and statistics of hospital and home for aged and infirm Israelites. W-9
30. Jefferson Medical College, Philadelphia. Plans and drawings of college hospital. F-X
31. Johns Hopkins Hospital, Baltimore. Model of buildings, plans, photographs, etc., of hospital and nurses' training school. F-X-9
32. Maine Eye and Ear Infirmary, Portland, Me. Plans, photographs and statistics. F-W-9
33. Massachusetts Emergency & Hygiene Ass'n, Boston. Maps, photographs, appliances, literature. F-X-9
34. Medical and Surgical Sanitarium, Battle Creek, Mich. Plans, photographs, appliances. F-X-13
35. Meggy, Jesse Hodgman, Philadelphia. Bed lift. F-X-15
36. New England Hospital for Women and Children, Boston. Photographs, plans, statistics, literature. F-X-12
37. New York Hospital Saturday and Sunday Ass'n, New York. Statistics and appliances. F-X-9
38. Reeves, Carrie V., Baltimore. Head rest for beds. F-X-15
39. Sharon Sanitarium, Boston. Plans and photographs. F-W-9
40. St. Luke's Hospital, South Bethlehem, Pa. Drawings, photographs, statistics, literature. F-X-12
41. Fitch Creche, Buffalo, N. Y. Photographs, statistics, etc. F-W-13
51. Goodwill Farm for Boys, East Fairfield, Me. Photographs, statistics, reports. F-W-12
52. Hampden County Children's Aid Ass'n, Springfield, Mass. Photographs and reports. F-W-9
53. Hebrew Orphan Asylum, New York. Photographs, specimens of school work, uniforms, etc. F-W-10
54. Hebrew Technical Institute, New York. Photographs and specimens of school work. F-W-13
55. Home for Friendless Children, Reading, Pa. Photographs of building. F-W-10
56. Illinois School of Agriculture and Manual Training School for Boys, Glenwood, Ill. Photographs, statistics, specimens of school work. F-W-12
57. Industrial School for Girls, Boston. Reports. F-Y-9
58. Little Mothers at Work and Little Mothers at Play, New York. Photographs and statistics. F-W-13
59. Louis Down-town Sabbath and Daily School, New York. Photographs, statistics, specimens of school work. F-W-12
60. Lyman School for Boys, Westboro, Mass. Photographs and specimens of school work. F-W-12
61. Maine Industrial School for Girls, Hallowell, Me. Photographs, statistics, reports. F-W-12
62. Massachusetts Infant Asylum, Boston. Appliances, statistics, photographs. F-W-10
63. Massachusetts Society for the Prevention of Cruelty to Children, Boston. Reports and record blanks. F-Y-9
64. Massachusetts State Board of Lunacy and Charity, Boston. Photographs, appliances and statistics of Department of Outdoor Poor. F-W-9
65. Massachusetts State Primary School, Palmer, Mass. Photographs of buildings, statistics, etc. F-W-12
66. Mayo School, Darlington, S. C. Specimens of school work. F-W-11
67. New York House of Refuge, Randall's Island, N. Y. Drawings, maps, photographs, specimens of school work. F-V-13
68. New York State Industrial School, Rochester, N. Y. Photographs, charts, specimens of school work. F-W-10
69. Ohio Girls' Industrial Home, Delaware, Ohio. Plans and photographs of buildings, statistics, specimens of school work. F-W-12
70. Pennsylvania Reform School, Morgantown, Pa. Photographs, statistics, specimens of school work, etc. F-W-12
71. Presbyterian Orphanage, Philadelphia. Photographs, statistics, specimens of school work. F-W-10
72. South End Industrial School, Roxbury, Boston. Photographs, descriptive charts, specimens of school work. F-W-11

DIVISION C.

The Care and Treatment of Dependent and Delinquent Children.

41. Aid for Destitute Mothers and Infants, Boston. Statistics and reports. F-W-9
42. Baptist Orphanage, Angora, Philadelphia. Photographs of buildings and inmates. F-W-10
43. Boys' Home, Baltimore. Statistics, reports. F-W-10
44. Brooklyn Orphan Asylum Society, Brooklyn, N. Y. Photographs and statistics. F-W-10
45. Children's Aid Society, Boston. Photographs, statistics, library. F-W-9
46. Chicago News Record, Chicago. Photographs, statistics and appliances of Fresh Air Fund. F-W-13
47. Children's Aid Society, Chicago. Statistics, photographs, reports, etc. F-W-9
48. Children's Aid Society, Philadelphia. Photographs, charts, clothing, etc. F-W-9
49. Children's Home, Bangor, Me. Statistics and reports. F-W-10

UNITED STATES.

- 73. State Industrial School for Girls, Lancaster, Mass. Photographs, statistics, etc. F-W-12
- 74. Trustees of the State Primary and Reform Schools of Massachusetts, Boston. Bound reports. F-Y-9
- 75. Wernle Orphan Home, Richmond, Ind. Photographs and statistics. F-W-10
- 76. Young Girls' Home, St. Paul, Minn. Photographs, statistics, etc. F-W-12

DIVISION D.

The Care and Treatment of Adult Poor and Paupers.

- 77. Associated Charities, Boston. Literature and record blanks. F-T-10
- 78. Associated Charities, Cincinnati. Literature and record blanks. F-T-10
- 79. Associated Charities, Fall River, Mass. Literature. F-T-10
- 80. Associated Charities, Newburgh, N. Y. Literature. F-T-10
- 81. Associated Charities, Newtonville, Mass. Literature. F-T-10
- 82. Associated Charities, Wilmington, Del. Literature and record blanks. F-T-10
- 83. Bethel Associated Charities, Cleveland, O. Literature and record blanks. F-T-10
- 84. Boston Provident Association, Boston. Literature. F-T-10
- 85. Bureau of Labor and Charities, Syracuse, N. Y. Literature. F-T-10
- 86. Charity Organization Society, Baltimore, Md. Literature and record blanks. F-T-10
- 87. Charity Organization Society, Buffalo, N. Y. Literature and record blanks. F-T-10
- 88. Charity Organization Society, Burlington, Iowa. Literature and record blanks. F-T-10
- 89. Charity Organization Society, Indianapolis, Ind. Literature and record blanks. F-T-10
- 90. Charity Organization Society, Newport, R. I. Literature and record blanks. F-T-10
- 91. Charity Organization Society, New York City. Literature, record blanks and plans of United Charities building. F-T-10
- 92. Chicago Relief and Aid Society, Chicago. Literature, record blanks, statistics. F-T-10
- 93. City Almshouse, Baltimore. Charts, literature and photographs. F-T-10
- 94. City Mission, Lawrence, Mass. Literature. F-T-10
- 95. German Evangelical Home, Brooklyn, N. Y. Literature, plans and statistics. F-T-10
- 96. German Old People's Home, Chicago. Report and photographs. F-T-10
- 97. German Society of Chicago, Chicago. Literature and record blanks. F-T-10
- 98. Home for the Friendless, Buffalo, N. Y. Statistics, photographs. F-T-10
- 99. Industrial Aid Society, Boston. Literature and record blanks. F-T-10

- 100. Library Bureau, Boston. Card-case for records of charitable societies. F-T-10
- 101. Massachusetts Board of Lunacy & Charity, Department of indoor Poor, Boston. Statistics and photographs. F-T-10
- 102. Massachusetts, State of. Model of Hospital Pavilion of the State Almshouse at Tewkesbury. F-T-10
- 103. Montefiore Home for Chronic Invalids, New York. Literature, photographs and statistics. F-T-10
- 104. New York Herald, New York City. Photographs, history and statistics of the Free Ice Charity. F-T-10
- 105. New York State Soldiers' and Sailors' Home. Topographical drawing and photographs of grounds and buildings. F-T-8
- 106. North End Mission, Boston. Literature, photographs, statistics. F-T-10
- 107. Ohio Working Home for the Blind. Photographs, charts, manufactured articles, etc. F-T-8
- 108. Old Women's Home, Reading, Pa. Photographs. F-T-10
- 109. Overseers of the Poor, Bellingham, Mass. Literature. F-T-10
- 110. Overseers of the Poor, Boston. Literature, record blanks, statistics. F-T-10
- 111. Overseers of the Poor, Brookline, Mass. Reports, photographs of almshouse, statistics. F-T-10
- 112. Overseers of the Poor, Somerville, Mass. Literature and record blanks. F-T-10
- 113. Overseers of the Poor, Springfield, Mass. Literature, statistics, photographs of almshouse, record blanks. F-T-10
- 114. Pennsylvania Industrial Home for Blind Women, Philadelphia. Photographs and specimens of inmates' work. F-T-8
- 115. Penny Provident, of the Charity Organization Society, Buffalo, N. Y. Statistics, appliances and record blanks. F-T-10
- 116. Relief Association, Plainfield, N. J. Literature.
- 117. Society of St. Vincent de Paul, Boston. Literature, record blanks, photographs and statistics. F-T-10
- 118. Temporary Home for Working Women, Boston. Reports and statistics. F-T-10
- 119. Union Relief Association, Springfield, Mass. Literature. F-T-10
- 120. United Hebrew Charities, New York. Literature and record blanks. F-T-10
- 121. Western House of Employment, Philadelphia. Photographs and statistics. F-T-10

DIVISION E.

The Punishment and Reformation of Adult Delinquents.

- 122. Champion Iron Co., Kenton, Ohio. Prison work, iron and steel cells, doors, locking device, window guards, etc. F-T-10

DEPARTMENT L.—LIBERAL ARTS.

123. Eastern State Penitentiary, Philadelphia. Model of building, photographs, statistics. F-W-13
124. Home for Fallen Women, Baltimore, Md. Reports. F-Y-9
125. Massachusetts Reformatory, Concord Junction, Mass. Drawings, statistics, products, literature. F-T-13
126. Minnesota State Prison, Stillwater, Minn. Photographs, plans, products. F-U-13
127. New York, State of. Model of electrical death chair. F-T-13
128. New York State Reformatory, Elmira, N. Y. Model of buildings, trades school exhibit. F-T-13
129. Ohio State Reformatory, Mansfield, Ohio. Drawings and plans. F-S-13
130. Pennsylvania Industrial Reformatory, Huntingdon, Pa. Model of buildings. F-R-13
131. Reformatory Prison for Women, So. Farmingham, Mass. Plans, photographs, statistics, products, literature, etc. F-T-13
132. Van Dorn Iron Works Co., Cleveland, O. Iron and steel jail complete, photographs. F-T-8
133. Western Penitentiary, Allegheny, Pa. Model of buildings. F-U-13
- DIVISION F.**
- Descriptive and statistical exhibits of the government and supervision; the capacity and population of the charitable and penal institutions of the states, and miscellaneous.**
134. California State. Statistics. F-Y-10
135. Colorado State. Map and charts. F-Y-10
136. Delaware State. Statistics. F-Y-10
137. Home Savings Society, Boston. Statistics and record blanks. F-T-10
138. Illinois State. Statistics, reports. F-Y-10
139. Indian Territory. Statistics. F-Y-10
140. Indiana Board of State Charities. Map, statistics and reports. F-Y-10
141. Iowa State. Map and statistics. F-Y-10
142. Maine State. Statistics. F-Y-10
143. Maryland State. Map and statistics. F-Y-10
144. Massachusetts Board of Charities and Corrections. Scrap books. F. Y 10
145. Massachusetts Board of Lunacy and Charity. Reports, photographs, forms. F-Y-10
146. Massachusetts State. Maps, statistics and literature. F-Y-10
147. Michigan State Board of Correction and Charities. Map and statistics. F-Y-10
148. Minnesota State Board of Corrections and Charities. Map, statistics, reports. F-Y-10
149. National Conference of Charities and Correction. Proceedings. F-Y-9
150. New York State Board of Charities. Maps, statistics, reports. F-Y-9
151. New York State Charities Aid Association. Annual reports. F-Y-9
152. Ohio State. Map and statistics. F-Y-10
153. Pennsylvania State. Map and statistics. F-Y-10
154. Pioneer Co-operative Bank, Boston. Statistics and literature. F-T-10
155. Provident Savings Bank, Baltimore, Md. Statistics and literature. F-T-10
156. Wines, F. H., Springfield, Ill. Graphic charts of crime and pauperism in the states from 11th U. S. census. F-W-8
157. Workingmen's Loan Ass'n, Boston. Statistics and literature. F-T-10

First National Bank, Chicago, Ill.

For exhibit see page 227.

Phoenix Mutual Ins. Co., Hartford, Conn.

For exhibit see page 437.

Times Mirror Co., Los Angeles, Cal. Newspaper.

For exhibit see page 438.

F. G. Logan & Co., Los Angeles, Cal. Commission merchants.

For exhibit see page 508.

Evans-Snyder-Buel Co., Chicago.

For exhibit see page 1118.

Acme Copying Co., Chicago, Ill. Portraits.

For exhibit see page 871.

Plankinton House, Milwaukee, Wis. Hotel.

For exhibit see page 682.

Louis Dejonge & Co., New York, N. Y. Surface coated papers.

For exhibit see page 425.

Mutual Life Ins. Co., New York.

For exhibit see page 491.

Metropolitan Ins. Co., New York, N. Y.

For exhibit, see page 1004.

Mitchell & Halbach Chicago, Ill. Decorators.

For exhibit, see page ?

London Guarantee Accident Co., Ltd., Chicago, Ill. Accident insurance.

For exhibit, see page 471.

Weser Bros., New York, N. Y. Pianos.

For exhibit, see page 363.

Emerson Piano Co., Boston, Mass. Pianos.

For exhibit, see page 427.

Lincoln Park Sanitarium, Chicago, Ill. Sanitarium.

For exhibit, see page 676.

Spiertling & Linden, Chicago, Ill. Interior Decorations.

For exhibit, see page ?

Theo. M. Brown, Cazenovia, Minn. Patent Ledger.

For exhibit, see page 1010.

CATHOLIC EDUCATIONAL EXHIBIT. UNITED STATES.

SECTION I.

GROUP 147.

The archbishops of the United States, with Cardinal Gibbons of Baltimore presiding, at their meeting in Boston, July, 1890, issued an invitation to all in charge of Catholic educational institutions to unite in an educational exhibit at the Columbian Exposition. The preliminary arrangements were made by delegates at several meetings in Chicago and St. Louis. At the request of the archbishops Rt. Rev. J. C. Spaulding, D. D., Bishop of Peoria, consented to become president, and Brother Maurelian, F. S. C. (president of Christian Brothers College of Memphis, Tenn.), consented to act as secretary and manager of the Catholic educational exhibit.

Exhibits will be presented by normal schools, universities, colleges, art schools, schools of science and technology, high schools, academies, commercial schools, industrial and manual training schools, primary or kindergarten schools, orphanages, reformatories, schools for Indians, negroes, blind, deaf and dumb.

The exhibits include paintings, drawings and photographs of school buildings, chapels, churches, class-rooms, playgrounds, library, art, lecture and science halls, groups of teachers and pupils, music classes, sewing and embroidery classes, work-shops in industrial and training schools, etc.

The normal department presents normal manuals, sets of text-books, apparatus and appliances for instructing in all branches of literature, science and art, as also the work of teachers and normal students.

Work of pupils in plain and ornamental typewriting and shorthand, with illustrations whenever possible, will be exhibited in Christian doctrine, history of the United States, ancient and modern history, sacred history, church history, mythology, ancient and modern languages, compositions, essays, theses, debates, mathematics, astronomy, chemistry, physics, theory of music, logic and metaphysics, philosophy, hygiene, sanitation, meteorology, philology, political economy, civil government, mineralogy, geology, zoology, botany, horticulture, agriculture, forestry, conchology, ornithology, geography with maps and hypsometrical casts of cities and countries, commercial payers, bookkeeping, shorthand, specimen of painting, free-hand crayon, linear and mechanical drawings, drawings from nature and from the flat, perspective drawings, etc.; museums for object lessons, specimens from industrial schools of printing in colors and plain, electrotyping, tailoring, wood-carving, carpentry, shoe-making, iron-work, etc.; plain and fancy needle work, crochet, drawn-work, tapestry, lace-making, embroidery, painting on porcelain, wax-work, etc.

The colleges, academies and schools represented in the various classes of exhibits are in charge of the following orders, congregations and persons:

Benedictine Fathers, Capuchin Fathers, Fathers of the Holy Cross, Fathers of the Holy Ghost, Jesuit Fathers, Lazarist Fathers and Secular Clergy; Brothers of Mary, Brothers of the Sacred Heart, Brothers of the Holy Cross, Brothers of the Christian schools (Christian Brothers), Franciscan Brothers, Resurrectionist Brothers and Laymen.

Benedictine Sisters, Sisters of St. Agnes, Sisters of Charity (Emmitsburg, C. B. V. M.), and (Mt. St. Vincent) Sisters of Christian Charity, Dominican Sisters, Franciscan Sisters, Franciscan Sisters of Perpetual Adoration, Sisters of St. Francis (various congregations), Gray Nuns, Sisters of the Holy Name, Sisters of the Holy Cross, Sisters of the Holy Child, Sisters of Jesus and Mary, Sisters of the Immaculate Conception, Sisters of the Immaculate Heart of Mary, Sisters of Loretto, Sisters of Mercy, Sisters of Mt. Carmel, Sisters of Nazareth, Congregation de Notre Dame, School Sisters of Notre Dame, Polish Feleccian Sisters, Presentation Nuns, Sisters of the Poor Handmaids of Jesus Christ, Sisters of Perpetual Adoration, Sisters of the Precious Blood, Sisters of Providence, Congregation of Divine Providence, Sisters of the Good Shepherd, Sisters of St. Joseph, Sisters of St. Nazianz, Sisters of Ursula Madams of the Sacred Heart, Sisters of the Sacred Heart of Mary, Ladies of the Sacred Heart, Ursuline Sisters, Visitation Nuns and Laywomen.

DIOCESAN EXHIBITS.

1. Brooklyn Diocese. Colleges of Brooklyn.

Academies of Brooklyn (4), Bayside (Whiteside P. O.), Far Rockaway and Sag Harbor.

Orphanage of Brooklyn.

Parish schools of Brooklyn (44), College Point, Flatbush and Flushing.

2. Buffalo, N. Y., Diocese. Academies and colleges of Buffalo (8), Albion, Allegheny (2), Batavia, Corning, Dunkirk, Elmira, Hornellsville, Lockport, Owego, Niagara Falls, Rexville and Wellsville.

Orphanages of Buffalo (2), Corning, Dunkirk and West Seneca.

Parish schools of Buffalo (22), Albion, Alden, Allegheny, Batavia, Cheektowaga, Corning, Dunkirk (2), East Eden, Elmira, Gardenville, Hamburg, Hornellsville, Jamestown, Lancaster, Lockport (3), Niagara Falls, Olean, Pendleton, Salamanca, Springville, Suspension Bridge, Tonawanda and West Seneca.

3. Christian Brothers. Normal Institute of Amawalk, N. Y.; Ammendale, Md.; Glencoe, Mo., and Martinez, Cal.

Colleges of Ellicott City, Md.; Memphis, Tenn.; New York City (2); Oakland, Cal.; Philadelphia, Pa.; Portland, Ore.; San Francisco, Cal.; St. Louis, Mo.; St. Joseph, Mo.; and Washington, D. C.

Academies and high schools of Albany, N. Y.; Baltimore, Md.; Chicago, Ill.; New York City; Oakland, Cal.; Providence, R. I.; Sacramento, Cal.; St. Paul, Minn.; Troy, N. Y., and Westchester, N. Y.

Parish schools of Albany, N. Y. (3); Baltimore, Md. (3); Brooklyn, N. Y.; Buffalo, N. Y. (3); Burlington, Vt.; Chicopee, Mass.; Detroit, Mich.; Dover, N. H.; Jersey City, N. J.; Kansas City, Mo.; Manchester, N. H.; Melrose, N. Y.; Newark, N. J.; Newburg, N. Y., New York City (13); New Orleans, La.; Oakland, Cal. (3); Paterson, N. J.; Providence, R. I. (2); Philadelphia, Pa. (7); San Francisco (2); St. Joseph, Mo.; St. Louis, Mo. (5); Temescal, Cal.; Toledo, Ohio; Troy, N. Y.; Utica, N. Y.; Waltham, Mass.; West Oakland, Cal., and Yonkers, N. Y.

Industrial and training schools of Eddington, Pa.; Feehanville, Ill.; Utica, N. Y., and Westchester, N. Y.

Orphanages of Albany and Troy, N. Y.

4. Cleveland, Ohio, Diocese. Colleges and academies of Cleveland (2), Tiffin (2), Toledo, Nottingham (2), and Villa Marie, Pa.

Parish schools of Cleveland (25), Bellvue, Defiance, Monroeville and other cities.

5. Covington, Ky., Diocese. Academies of Covington (4), Lexington, Maysville, Newport (2) and White Sulphur.

Parish schools of Covington (7), Newport

(3), Alexandria, Ashland, Augusta, Bellevue, Carrollton, Cold Spring, Dayton, Frankfort and Paris.

6. Denver, Col., Diocese. Academies and Parish schools of Denver (6), Canon City, Leadville, Trinidad, etc.

7. Detroit, Mich., Diocese. Commercial school of Detroit.

Academies of Detroit and Monroe.

Parish schools of Detroit (2), Mt. Clemens and Shamokin, Pa. (Dio. H'bg).

8. Dubuque, Iowa, Diocese. Academies of Dubuque (2), Carroll, Cedar Rapids and Lyons.

Paris schools of Dubuque, Ackley, Breda, Browns, Carroll (2), Cascade (2), Clinton, Decorah, Dewitt, Dyersville, Farley, Festina, Fort Dodge, Haverhill, Key West, Lansing, Lawler, LeMars (2), Luxemburg, Milley, Mt. Carmel, New Vienna, Petersburg, Quigley, Remsen, St. Donatus and Stacyville.

9. Fort Wayne, Ind., Diocese. University of Notre Dame.

Academies of Fort Wayne, Crawfordsville, LaFayette, LaPorte, Notre Dame, Rensselaer, South Bend (2), Valparaiso and Winamac.

Orphanages of Fort Wayne and LaFayette.

Parish schools of Fort Wayne (6), Anderson, Avilla, Columbia City, Crawfordsville, Crown Point, Delphi, Decatur, Earl Park, Ege, Elkhart, Elwood, Fowler, Garrett City, Goshen, Hammond, Huntington, Kentland, Klaasville, Kokomo, LaFayette (4), Lagro, Logansport (3), Michigan City (2), Mishawaka, Monroeville, Muncie, New Haven, New Corydon, Otis, Peru, Plymouth, St. John, South Bend (3), Sheldon, Tipton, Union City, Valparaiso and Winamac.

10. Green Bay, Wis., Diocese. Parish schools of Green Bay (4), Ahnapee, Appleton (2), Antigo, Bay Settlement, Berlin, Brillion, Buchanan (Darby P. O.), Cate, Chilton, Clark's Mills, Clintonville, Coopers-town, Delwick, DePere (4), Duck Creek, Francis Creek, Freedom, Grand Rapids, Holland, Hull (Steven's Point P. O.), Kaukauna, South Kaukauna, Kellnersville, Keshena, Kawaunee, Little Chute, Luxembourg, Maple Grove, Marinette (2), Menasha (3), New London, New Franken, Oconto (2), Oshkosh, Portage, Reedsville, Shawano, Steven's Point (3), Stockbridge, St. Johns, Sturgeon Bay, Two Rivers, Wausau and Wrightstown.

11. LaCrosse, Wis., Diocese. Parish schools of LaCrosse (7), Ashland, Bayfield, Chippewa Falls (2), Eau Claire, Fountain City, Hudson, Marshfield, Neillsville, New Richmond, Prairie du Chein, Sauk City,

UNITED STATES.

- Sparta, Standfold, Superior City and West Superior.
Orphanage of LaCrosse.
12. **Manchester, N. H., Diocese.** Academies of Manchester (2), and Nashua.
13. **Milwaukee, Wis., Diocese.** Academies of Milwaukee, Racine and Sinsinawa Mound.
Parish schools of Milwaukee (9), Ashton P. O., Caledonia, Racine, Roxbury, St. Francis and St. George.
14. **Natchez, Miss., Diocese.** College of Bay St. Louis.
Academies of Bay St. Louis, Chatawa, Greenville, Meridian, Scranton and Vicksburg (2).
Parish schools of Natchez (3), Biloxi, Jackson, Pass Christian, Tucker Vicksburg (2).
15. **New Orleans Diocese.** Academies of New Orleans (8) and Donaldsonville.
Parish schools of New Orleans (11).
16. **New York City Diocese.** Colleges of New York City (2), Amawalk.
Academies of High Schools of New York City (2).
Parish schools of New York City (40), Melrose, Newburg, Yonkers and other cities.
17. **Philadelphia Diocese.** High Schools of Philadelphia and Chestnut Hill.
Parish schools of Philadelphia (55), Ashland, Bally, Bristol, Bryn Mawr, Chester (2), Conshohocken (2), Doylestown, Kellyville, Lehighton, Mauch Chunk, Norristown, Phoenixville, Port Carbon, Pottsville (2), Reading, St. Clair, Shenandoah and West Chester.
18. **Pittsburg, Pa., Diocese.** Colleges of Pittsburg, Loretto and Summitt.
Academies of Pittsburg (2), Allegheny, Beatty P. O., Ebensburg, Greensburg and Loretto.
Parish schools of Pittsburg (22), Allegheny, Altoona, Blairsdale, Braddock, Butler (2), Cambria City, Copeland, Chartier, Connellsville, Dunbar, Gallatin, Homestead, Irwin, Johnstown (3), Latrobe, McKeesport, Millvale, Sharpsburg (2), Scottsdale, Tunnell Hill, Turtle Creek, Tyrone and Wilkinsburg.
19. **San Francisco Diocese.** Colleges of San Francisco (3), Oakland, San Jose (2), San Rafael and Santa Clara.
Academies of San Francisco (3), Alameda, Oakland (2), Redwood City, Rio Vista, Santa Clara, Santa Rosa and Ukiah.
Parish schools of San Francisco (14), Berkeley, N. Temescal and Oakland (8), San Leandro, San Rafael, Stockton (2) and Vallejo.
Orphanages of San Francisco (3).
Kindergarten of San Francisco.
Technical school of San Francisco.
20. **Sioux Falls, S. D., Diocese.** Academies of Sioux Falls, Sturgis and Yankton.
Parish schools of Jefferson, Lead City, Millbank, Mitchell, Watertown and Yankton.
Indian schools of Fort Yates, Pine Ridge Agency, Rosebud and Stephan.
21. **Benedictine Fathers.** College of Belmont, N. C. (2).
22. **Benedictine Sisters.** Academy at Nauvoo, Ill.
Parish schools of Manchester, N. H.; Spokane, Wash., and Sturgis, S. D.
23. **Charity, Sisters of.** Academies and Parish schools of Emmittsburg, Md. (2); LaSalle, Ill.; Memphis, Tenn.; Pine Bluff, Ark.; Richmond, Va.; Tulalip Reservation, Wash.; Washington, D. C.; Wichita, Kas.; and Baltimore, Md.
24. **Divine Providence, Sisters of.** Academies of Castroville, Tex.; Palastine, Tex.; Temple, Tex.; Clarksville, Tex.; Jefferson, Tex., and Natchitoches, La.
Parish schools of Castroville, Tex.; San Antonio, Tex.; Galveston, Tex.; Columbus, Tex.; Ellinger, Tex.; Schulenberg, Tex.; High Hill, Tex.; Dubina, Tex.; Weimar, Tex.; Sedan, Tex.; New Braunfels, Tex.; Fredericksburg, Tex.; and Alexandria, La.
25. **Dominican Sisters.** Academies of Memphis, Tenn.; New York City; Bloomington, Ill.; Faribault, Minn.; Washington, D. C.; Racine, Wis., and Sinsinawa Mound, Wis.
Parish schools of Minneapolis, Minn.; Clarksville, Tenn.; New York City; Muskegon, Mich.; Seattle, Wash.; Plattsmouth, Neb., and Kansas City, Mo.
26. **Loretto, Sisters of.** Academies of Denver, Col. (2); Pueblo, Col.; Colorado Springs, Col.; Montgomery, Ala.; Osage Mission, Kas.; Cairo, Ill.; St. Johns P. O., Ky.; Louisville, Ky.; Marshall, Mo.; Springfield, Mo.; St. Louis, Mo.; Cape Girardeau, Mo.; Florissant, Mo.; Sante Fé, N. M.; El Paso, Tex.; Las Cruces, N. M., and Mora, N. M.
Indian schools of Bernalillo, N. M.
Parish schools of Elizabethtown, Ky.; Lebanon, Ky.; Kansas City, Mo.; St. Louis, Mo.; Las Vegas, N. M., and Socorro, N. M.
27. **Mary, Brothers of.** Colleges of Dayton, Ohio; Honolulu, H. I., and San Antonio, Tex.
Parish schools of Baltimore, Md. (3); Chicago, Ill. (2); Cincinnati, Ohio (2); Cleveland, Ohio; Columbus, Ohio; Dayton, Ohio (3); Hilo, H. I.; New Orleans, La.; New York City (2); San Antonio, Tex.; Wailuka, H. I., and Winnepeg, Man.
28. **Precious Blood, Sisters of.** Academy of St. Louis, Mo.
Parish schools of St. Louis, Mo. (2); Falls City, Neb.; Florissant, Mo.; Josephville, Mo.; Old Monroe, Mo.; Omaha, Neb. (2); Riviere Aux Vases, Mo.; St. Peter's, Mo.; Tipton, Mo., and Zell, Mo.
29. **Providence, Sisters of.** Academies of St. Mary's, Vigo City, Ind.; Chelsea, Mass.; Chicago; E. Saginaw, Mich.; Fort Wayne, Ind.; Galesburg, Ill.; Greencastle, Ind.; Indianapolis, Ind.; Kansas City, Mo.; LaFayette, Ind.; Port Huron, Mich.; Saginaw City, Mich.; Terre Haute, Ind.; Vincennes, Ind.; and Washington, Ind.
Parish schools of Chicago (Central Park), Ill.; Columbus, Ind.; Connersville, Ind.; Delphis, Ind.; Evansville, Ind. (2); Fort Wayne, Ind.; Frenchtown, Ind.; Galesburg, Ill.; Hammond, Ind.; Indianapolis, Ind. (4); Jasper, Ind.; Jeffersonville, Ind.; LaFayette, Ind.; Lockport, Ill.; Logoootee, Ind.; Madison,

DEPARTMENT L.—LIBERAL ARTS.

Ind.; New Albany, Ind.; Omaha, Neb.; Peru, Ind.; Richmond, Ind.; Saginaw, City, Mich.; Savanna, Ill.; St. Mary's, Vigo City, Ind.; Seymour, Ind.; Terre Haute, Ind. (2); Valparaiso, Ind.; Vincennes, Ind.; Washington, Ind. (2), and Ypsilanti, Mich.

30. School Sisters of Notre Dame (East).

Academies of Govanstown and Baltimore, Md., and Fort Lee, N. J.

Parish schools of Baltimore, Md. (7); Boston, Mass.; Canton, Mass.; Catonsville, Md.; Malden, Mass.; Philadelphia, Pa. (3); Towson, Md., and Washington, D. C. (2).

31. School Sisters of Notre Dame (Mil).

Academies of Milwaukee, Wis.; Quincy, Ill., and Harbor Springs, Mich.

Orphanage of Quincy, Ill.

Parish schools of Milwaukee (9); Belleville, Ill.; Belvidere, Minn.; Champaign, Ill.; Escanaba, Mich.; Fort Madison, Ia.; Fort Wayne, Ind.; Grand Rapids, Mich. (2); Highland, Ill.; Logansport, Ind.; Louisville, Ky.; Peoria, Ill. (2); Quincy, Ill. (3); St. Charles, Mo.; St. Louis, Mo.; St. Paul, Minn.; Shakopee, Minn.; Sheboygan, Wis.; Washington, Mo.; Winona Minn., and Wabasha, Minn.

32. St. Francis, Sisters of (Old'bg). Academy of Oldenburg; Ind.

Parish schools of Aurora, Ind.; Cincinnati, Ohio (2); Dover, Ind.; Evansville, Ind.; Indianapolis, Ind. (2); Lawrenceburg, Ind.;

Morris, Ind.; New Albany, Ind.; New Alsace, Ind.; Oldenburg, Ind.; Rushville, Ind.; St. Louis, Mo.; St. Peter's, Ind.; St. Wendel, Ind.; Sedamsville, Ohio; Shelbyville, Ind., and Yorkville, Ind.

33. St. Joseph, Sisters. Academies of St.

Genevieve, Mo.; St. Augustine, Fla.; Philadelphia, Pa.; Peoria, Ill., and Syracuse, N. Y.

Parish schools of Ishpeming, Mich.; St. Paul, Minn.; Albany, N. Y.; Amsterdam, N. Y.; Cohoes, N. Y.; Glens Falls, N. Y.; Hoosick Falls, N. Y.; Oswego, N. Y.; Schenectady, N. Y.; Syracuse, N. Y.; Troy, N. Y., and West Troy, N. Y.

34. The Sacred Heart, Brothers of. Colleges of Bay St. Louis, Miss.; Vicksburg, Miss., and Thibodaux, La.

Academies of Baton Rouge, La.; Mobile, Ala.; Nashua, N. H.; New Orleans, La.

Parish schools of Augusta, Ga.; Donaldsonville, La.; Indianapolis, Ind. (2); Manchester, N. H.; Mobile, Ala., and Natchez, Miss.

35. Ursuline Sisters. Academies of Alton, Ill.; Arcadia, Mo.; Collinsville, Ill.; Crescent Hill, Ky.; Decatur, Ill.; Grand Forks, S. D.; St. Louis, Mo., and Frontenac, Minn.

Parish schools of Alton, Ill. (2).

36. Visitation Sisters. Academy of Georgetown, W. Washington, D. C.

AUSTRIA.

GROUP 148.

1. Bauer, Dr. Moriz, Vienna. Vaccination supplies. 837
2. Broz, Albert, Graz. Surgical instruments. 837
3. Odelga, I., Vienna. Surgical instruments and apparatus. 837
4. Wiener, A., Vienna. "Pocket pharmacy." 834

GROUP 149.

5. Cuhel, Dr. Franz, Prague. Reckoning apparatus for children. 842
6. Genossenschafts, Fachschule fuer Drechsler at Vienna. Models and drawings. 847
7. Gerlach & Schenk, Vienna. Models for art instruction. 486
8. Hanusch, Thomas, Hostitz, Bohemia. Reckoning apparatus for children. 842
9. Lenoir & Forster, Vienna. Apparatus for teaching chemistry and physics. 845
10. Neubert, V., Prague. Models and appliances for teaching. 842
11. Roth, Adol, Taus, Bohemia. Appliances for teaching. 842

GROUP 150.

12. Dorn, Dr., Volkswirtschaftlicher Verlag, Vienna. Works on national economy. 854
13. Brandeis, Jacob B., Prague. Hebrew books. 854
14. Grieszelich, Ernst Ludwig, Vienna. Graphical illustration of foreign travel in the capitals of Europe. 864
15. Kaes, Simon, Vienna. "Fachzeitung fur Leder Industrie." 856
16. Lechner, R. (W. Mueller), Vienna. Topographical maps. 864
17. Ministerium des Innern K. K., Vienna. Statistical and graphical illustrations of the workmens' insurance system and of their unions in Austria. 863
18. Silas, Ferdinand, Vienna. Geographical maps. 864
19. Steinbrener, J., Winterberg, Bohemia. Prayer books. 854

GROUP 151.

20. Czichna C. A., Innsbruck. Photographs with Alpine photographs. 871
21. Denk, August, Vienna. Cellulographs. 871
22. Forster, I., Salzburg. Photographical backgrounds. 871
23. Hofmeier, Julius, Vienna. Photochemical plates. 871
24. Klicnik, Arnold, Bruenn, Morav ia. Mechanical instruments 865
25. Landes, Verband der vereinigten Lur und Fremdenver, kehrs-Vereine in Tyrol, Innsbruck. Collection of Alpine photographs. 871

26. Lechner R. (W. Mueller), Vienna. Photographic apparatus. 871
27. Lippe, Theo., G. von der, Vienna. Photographs. 871
28. Nemetz, Josef, Vienna. Instruments of precision.
29. Paulussen, Richard, Vienna. Photogravures. 871
30. Reichert, C., Vienna. Microscopical and optical instruments. 874
31. Ringhoffer, F., Smichew near Prague. Photos of machines of different kinds. 871
32. Verein zur Hebung des Fremdenverkehres, Prague. Photographical views. 871
33. Wachtel, Bernhard, Vienna. Photographic cartoons and passepartouts. 871

GROUP 152.

34. Weber, von Ebenhof, Alfred, Bruenn, Moravia. Work on mountain hydraulics. 882

GROUP 153.

35. Wanka, Josef, Prague. Statistical illustrations of the postal service. 893
36. Wlcek, Wenzel, Graz. Letter boxes. 893

GROUP 157.

37. Vogl, Adolf, Innsbruck. Altar. (With Alpine photographs). 919

GROUP 158.

38. Augerer, Franz & Dotzauer, Wenzel, Vienna.
 - a Wind instruments. 931
 - b Stringed instruments. 928
39. Bruener, Franz, Schoenbach. Zithers. 928
40. Brunbauer, Philipp, & Sohn, Vienna. Harmonicas. Included in the collective exhibit of the Genossenschaft at Vienna. 935
41. Cerveny, V. F., & Soehne, Koenig-graetz, Bohemia. Wind instruments. 931
42. Dehmal, Anton, Vienna. Wind instruments. 931
43. Fiehn, Heinrich, Vienna. Ocarinas. 932
44. Forster, Johann, Vienna. Harmonicas. 935
45. From, Karl, Vienna. Stringed instruments. 928
46. Fuchs, Daniel, Vienna. Wind instruments. 931
47. Gessner, J. B., Graslitz. Wind instruments. Included in the collective exhibit of the Graslitz manufacturers. 931
48. Graslitz manufacturers of musical instruments. Collective exhibit of musical instruments.
49. Haudeck, Karl, Vienna. Stringed instruments. 928

DEPARTMENT L.—LIBERAL ARTS.

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| 50. Huttli, A. K., Graslitz. Wind instruments. 931 | 65. Plocek, A., Chroustowitz, Bohemia. Muffler for musical instruments. 936 |
| 51. Kiendl, A., Vienna. Zithers. 928 | 66. Proksch, A., Reichenberg, Bohemia. Pianos. 930 |
| 52. Kiendl, Karl, Vienna. Stringed instruments. 928 | 67. Roesel, Johann, Vienna. Wind instruments. 931 |
| 53. Kirchner Gebrueder, Vienna. Musical instruments. | 68. Sandners, Sohn, Schoenbach, near Eger, Bohemia. Musical instruments. |
| 54. Kirchner, Karl, Vienna. Stringed instruments. 928 | 69. Schoenbach manufacturers of musical instruments. Collective exhibit of musical instruments. |
| 55. Klier, Andreas, Schoenbach. Musical instruments. | 70. Schuster, Jos. Jgn., Kirchberg, near Graslitz. Bows for violin, violoncello and bass viol. 936 |
| 56. Langhammer, J. E., Graslitz. Wind instruments. 931 | 71. Stecher, Karl, Vienna. Wind instruments. 931 |
| 57. Loos, Karl, Schoenbach. Stringed instruments. 928 | 72. Stingl, Gebrueder, Vienna. Pianos. 930 |
| 58. Lutz, Josef, Schoenbach. Musical instruments. | 73. Strowasser, A. R., Graslitz. Machines for making stringed instruments. 936 |
| 59. Mayer, Carl, Vienna. Mouthpieces for musical instruments. 936 | 74. Stowasser's, W. Soehne, Graslitz. Wind instruments. Included in the collective exhibit of Graslitz. 931 |
| 60. Meindl, J. B., Gratliz. Wind instruments. 921 | 75. Thie, Wilhelm, Vienna. Harmonicas. 935 |
| 61. Nowy, Michael, Vienna. Stringed instruments. 928 | 76. Trimmel, Joh. N., Vienna. Harmonicas. 935 |
| 62. Osmanek, A., Schoenbach. Musical instruments. | 77. Urbanek, Fr. A., Prague. Music books. 926 |
| 63. Petz, Josef, Graz. Automatic organ. 935 | 78. Vienna Genossenschaft der Musik Instrumenten Erzanger. Collective exhibit |
| 64. Pick, Josef Leopold, Vienna. Harmonicas. 935 | |

BELGIUM.

GROUP 147.

1. Administration du Bureau de Bienfaisance, Antwerp. Models and plans of homes for working classes. 827
2. Demany, Emile, Liege. Plans and designs of school-houses. 827
3. Franken-Willemaers, Edouard, Brussels.
 - a Plans of residences. 827
 - b Plans of hospitals. 832
4. Mouly, F. V., Brussels. Ventilators. 829
5. Société anonyme des Forges d'Aiseau, Aiseau. Sheet-iron building. 830
6. Société anonyme "La Couvinoise," Couvin. Heating and ventilating apparatus. 829

GROUP 148.

7. Sasserath, Alphonse, Einé, Liége. Dental apparatus. 839

GROUP 149.

8. Van Dooren, Louis, Brussels. Chart of penmanship. 842
9. Van Oye, Alb., & Co., Maldegem. Fac-simile of school for basket making. 847

GROUP 150.

10. Godenne, Jacques, Liege. Various publications. 854
11. Lyon-Claesen, F., Brussels. Book-binding. 854
12. Van Dooren, Louis, Brussels. Advertising cards. 854

GROUP 151.

13. Administration Communale de Bruges, Bruges. Photographs of the city. 871

14. Administration Communale D'Ostende, Ostende. Photographs of the city. 871
15. Beernaert's Dry Plate Company, Gand. Photographic plates. 871
16. Belot, Ch., Brussels. Photographic apparatus. 871
17. Gerkinet-Ledent, A., Herstal. Water-level indicator. 868
18. Gêruzet frères, Brussels. Photographs on tiles, etc. 871
19. Sober, Edmond, frères, Brussels. Painted photographs. 871

GROUP 155.

20. Vanderperre, F. H., Brussels. Plans and photographs of exhibits at Expositions. 909

GROUP 158.

21. Berden, Franc & Co., Brussels. Grand and upright pianos. 930
22. Causard, Tellin, Grupont. Church bells. 927
23. Delflas, Camille, Brussels. Brass musical instruments. 933
24. Faes, Gustave, Antwerp. Violins and accessories. 929
25. Graffart, Julien, Liége. Music. 926
26. Senecaut, Pierre, Malines.
 - a Wood musical instruments. 931
 - b Brass musical instruments. 933
27. Vancauwelaert, frères & soeur, Brussels.
 - a Brass musical instruments. 933
 - b Accessories of musical instruments. 936

CANADA.

GROUP 147.

1. Peacock, Wm., Montreal. Cricket and baseball bats. 825
3. Rosebrugh, A. M., Toronto. Window ventilators. 829
4. Wilkinson, J., Peterboro, Ont. Sick-bed appliance. 832

GROUP 148.

5. Bonnar, Wm., Albion, Ont. Surgeon's satchel. 837
6. Harvard Chair Company, Toronto.
 - a Surgical chairs and cabinet. 837
 - b Dental chairs and cabinet. 839

GROUP 149.

7. Canada Office & School Furniture Co., Preston, Ont. School furniture. 842
8. Colleges, Convents and Catholic Schools of Canada. P. N. Bruchesi, Canon, Montreal, Que. Catholic educational exhibit from the universities, colleges, seminaries and normal schools of the Province of Quebec. 851
9. Specimens of work from the schools of the Brothers of the Christian Schools; St. Croix Congregation; Christian Brothers; Marists' Brothers; St. Gabriel Brothers; Brothers of the Sacred Heart; Brothers of St. Vincent de Paul; Catholic Commissioners of the City of Montreal; Sisters of Notre Dame; and various boarding and day schools in the Province of Quebec; also boarding and day schools in the Provinces of Ontario; Nova Scotia; New Brunswick; Prince Edwards Island; and the United States, and Convents of the Nuns of Quebec; Three Rivers; Stanstead, and Roberville; Sisters of Ste Anne, Lachine; Sisters of St. Croix, St. Laurent; Sisters of the Good Shepherd, Montreal. 842
10. Specimens of work from the Institution of the Deaf Mutes, under the direction of the Sisters of Providence, Montreal; Sisters of Jesus Marie of Sillery, Quebec; Sisters of the Good Shepherd of Quebec; Sisters of Charity, of Quebec; Sisters of l' Assomption, Nicolet; Sisters of the Presentation of St. Hyacinthe; and Grey Sisters of the Cross; also school of Mr. Frs. Liénard, St. Sabastien. 849
11. Specimens of work from the Modeling School of the city of Laurentides, Henri Vaillancourt, also Elementary and Modeling Schools of Montreal and the Province of Quebec. 846
12. Provincial Government of Northwest Territories, Regina. Educational system. 850
13. Provincial Government of Ontario, Toronto. Educational system. 850
14. Provincial Government of Quebec, Quebec. Educational system. 840

GROUP 150.

15. Biggar, E. B., Montreal. Textile journals. 856
16. Ernst, Charles F., New Hamburg, Ont. Old bible. 854
17. McClean, J. B., Publishing Company, Toronto. Trade journals. 856

GROUP 151.

18. Anderson Trading Company, Toronto. Cash registers. 865
19. Boorne & May, Calgary, N. W. T. Photographs. 871
20. Campbell & Son, Toronto. Photographer's scenic background. 871
21. Cochran, C. S., Hamilton, Ont. Photographs. 871
22. Grant, Henry, & Son, Montreal. Optical goods. 874
23. Magrath, C. A., Lethbridge, N. W. T. Photos of Lethbridge. 871
24. Notman, Wm., & Sons, Montreal. Photographs. 871
25. Smyth, Sydney A., Calgary, N. W. T. Photographs. 871
26. Stubbert, Jas. S., North Sydney, N. S. Views of Cape Breton. 871
27. Victoria Park Trustees, Truro, N. S. Photographs. 871
28. Williams, L. H., Montreal. Photographs. 871

GROUP 152.

29. Department of Public Works, Ottawa, Ont. Views and plans of public buildings. 889
30. Dominion Bridge Company, Montreal. Drawings and photographs of bridges. 880
31. Government of Nova Scotia, Halifax, N. S. Models of bridges. 880
32. Magrath, C. A., Lethbridge, N. W. T. Blue print of Galt hospital. 889
33. Meloche, F. Ed., Montreal. Architectural plans and drawings. 889

GROUP 153.

34. Beatty, W. J., Ottawa, Ont. Stamp albums. 893
35. Savard, Joseph L., Quebec. Stamp album. 893

GROUP 154.

36. Berry, A., Warden, Que. Drawer equalizer. 898
37. Canada Office & School Furnishing Company, Preston, Ont. Office and opera furniture. 898
38. McLean, F. E., Port Hastings, C. B. Old bank notes. 897

GROUP 158.

39. Barthlemes, A. A., & Co., Toronto, Ont. Piano actions and autoharps. 930
40. Close, J. A., Woodstock, Ont. Violin tail piece. 936

DEPARTMENT L.—LIBERAL ARTS.

41. Dominion Organ & Piano Co., Bowmanville, Ont. <i>a</i> Pianos. 930 <i>b</i> Organs. 935	45. Major, Geo., Cape Le Ronde, N. S. Violin. 929
42. Goderich Organ Company, Goderich Ont. Organs. 935	46. Newcombe, O., & Co., Toronto, Ont. Pianos. 930
43. Hugill, Joseph, Toronto, Ont. Violin and viola. 929	47. Ormond, Hugh, London, Ont. Violins. 929
44. Knaggs, Wm., Hamilton, Ont. Violins and viola. 929	48. Richer, Ovide A., Montreal, Que. Violins. 929
	49. Williams, R. S., & Son., Toronto, Ont. Pianos. 930

CEYLON.

GROUP 150.	GROUP 158.
1. Ceylon Government. <i>a</i> Books. 854 <i>b</i> School books. 855	4. Ceylon Commission. <i>a</i> Flute. 931 <i>b</i> Puppet shows, masks, wenawa, kinnarama. 938
2. Skeen, W. L. H., & Co. Photographs of Ceylon. 871	5. Colombo Museum. <i>a</i> Drum. 927 <i>b</i> Flageolet. 931 <i>c</i> Horn. 933
3. Ceylon Commission. Rattan bridge. 880	

DENMARK.

GROUP 148.	GROUP 150.
1. Albumen, Maltrose & Gluten Manufactory Copenhagen. Albumen, maltose and gluten.	6. Aamodt, Axel E., Copenhagen. Books. 854
2. Lange, Joh., Copenhagen. Parts of "Flora Danica." 852	7. Bagge, Fr. Copenhagen. Illustrated books. 854
3. Orlandi's Succrs, Copenhagen. Plaster casts of Thorwaldsen's works. Dept. H 846	8. Bang, August, Copenhagen. Books. 854
4. Society for Encouraging Manual Labor in Homes and Schools, Copenhagen. Model, drawings and utensils for a wood carving class. Dept. H 847	9. Bernsteen, Simon, Copenhagen. <i>a</i> Books. 854 <i>b</i> Trade-printing. 860
5. Tejsen, Miss Maja, Copenhagen. Drawing system for feeble minded children. Dept. H 849	10. Boghandel, Gyldendalske, Copenhagen. Books. 854
	11. Bojesen, Ernst, Copenhagen. Books. 854
	12. Bording, F. E. Copenhagen. Trade-printing. 860
	13. Central Printing Office, Copenhagen. Books and illustrations. 854
14. Clement's, D. L., Succrs, Copenhagen. Books. 854	14. Clement's, D. L., Succrs, Copenhagen. Books. 854
15. Cordts, Carl, Copenhagen. Zoological and anatomical designs, lithographs. 854	15. Cordts, Carl, Copenhagen. Zoological and anatomical designs, lithographs. 854
16. Flyge, J. L., Copenhagen. Bound books. 854	16. Flyge, J. L., Copenhagen. Bound books. 854
17. Gade, G. E. C, Copenhagen. Books. 854	17. Gade, G. E. C, Copenhagen. Books. 854
18. Government of Denmark, Copenhagen. Books. 863	18. Government of Denmark, Copenhagen. Books. 863
19. Grabe, C. E., Copenhagen. Books. 854	19. Grabe, C. E., Copenhagen. Books. 854
20. Hagerups, H., Copenhagen. Books. 854	20. Hagerups, H., Copenhagen. Books. 854
21. Hausen, H. J., Copenhagen. "Zoologai Danica." 845	21. Hausen, H. J., Copenhagen. "Zoologai Danica." 845
22. Industriforeningen Society, Copenhagen. Books. 854	22. Industriforeningen Society, Copenhagen. Books. 854
23. Knudtyou, Fred G., Copenhagen. <i>a</i> Books. 854 <i>b</i> Trade-printing. 860	23. Knudtyou, Fred G., Copenhagen. <i>a</i> Books. 854 <i>b</i> Trade-printing. 860
24. Lehmann & Stage, Copenhagen. Books. 854	24. Lehmann & Stage, Copenhagen. Books. 854
25. Nielsen & Lydiche, Copenhagen. Books. 854	25. Nielsen & Lydiche, Copenhagen. Books. 854
26. Odense, Chr. Milo, Copenhagen. Books. 854	26. Odense, Chr. Milo, Copenhagen. Books. 854
27. Petersen, P., Copenhagen. <i>a</i> Books. 854 <i>b</i> Trade-printing. 860	27. Petersen, P., Copenhagen. <i>a</i> Books. 854 <i>b</i> Trade-printing. 860
28. Petersen, Thorvald, Copenhagen. Bound books. 854	28. Petersen, Thorvald, Copenhagen. Bound books. 854
29. Philipsen, P. G., Copenhagen. Books. 854	29. Philipsen, P. G., Copenhagen. Books. 854
30. Reitzel, C. A., Copenhagen. Books. 854	30. Reitzel, C. A., Copenhagen. Books. 854

DENMARK—GERMANY.

31. Rom, N. C., Copenhagen.
a Books. 854
b Designs for home and school work. 855
c Maps. 864
32. Royal Danish Academy of Sciences, Copenhagen. Books. 585
33. Royal Danish Geographical Society, Copenhagen. Books.
34. Royal Society of Northern Antiquities, Copenhagen. Books. 863
35. Siersted, Th., Copenhagen. School maps. 864
36. Society for Promoting the Publication of Books, Copenhagen. Books and publications, papers from members; binding from special designs by Danish artists. 854
37. Staggemeier, A., Copenhagen. Apparatus for ascertaining geographical positions. 864
38. Thiele, H. H., Copenhagen. Books and chromo-typography. 854
39. Truelsens, Martins, Copenhagen.
a Books. 854
b Trade-printing. 860
40. Wimmer, L. F. A., Copenhagen. Works on northern archæology. 854
41. Winkel & Magnussen, Copenhagen. Books. 854
- GROUP 151.**
42. Christensen, C., Fredericia, Jutland. Photographs. 871
43. Jensen, Jucker, Copenhagen. Photographs. Dept. H 871
44. Knudsen, Cornelius, Copenhagen. Barometer. Dept. H 872
45. Lonborg, Chr., Copenhagen. Photographs. Dept. H 871
46. Müller's, Budtz, Succrs., Copenhagen. Photographic apparatus, photographs, etc. 871
47. Norholm, A., Copenhagen. Compasses. Dept. H 867
48. Schou, Albert, Copenhagen. Photographs of Thorvaldsen's works. Dept. H 871
49. Steen, Miss Mary, Copenhagen. Photographs of Royal Danish castles. Dept. H 871
50. Stolten & Simonson, Copenhagen. Photographs exhibited on aristo paper. Dept. H 871
51. Tyde, J. W., Copenhagen. Photographs. Dept. H 871
52. Zermekren, Johannes, Copenhagen. Calculating machine. Dept. H 865
- GROUP 154.**
53. Höckendorff, P., Copenhagen. Wafer stamps for office use. 898
54. Mattat, C. P., Copenhagen. Stamps for office use. Dept. H 898
55. Zinther, Harold J., Fredensborg, Sealand. Writing desk and chair. Dept. H 898
- GROUP 155.**
56. Royal Geographical Society, Copenhagen. The Society's periodical for four years. 907
- GROUP 157.**
57. Loffler, J. B., Copenhagen. Illustrated works on Danish church history. 919
- GROUP 158.**
58. Felumb, J. Emil, Copenhagen. Pianos. 930
59. Jensen, Tang, Copenhagen. Piano actions. 930

GERMANY.

- GROUP 147.**
1. Bad Langenschwalbach, Langenschwalbach. Thermal literature. Dept. A 829
2. Bad Kreuznach, Kreuznach. Thermal literature. Dept. A 829
3. Bad Nauheim, Nauheim. Thermal literature. Dept. G 829
4. Bad Neuhaus, Neuhaus. Thermal literature. Dept. A 829
5. Brehner'sche, Dr. Heilanstalt fuer Lungen Kranke, Goerbersdorf, Silesia. Thermal literature. Dept. A 829
6. Centralstelle fuer Sommerpflege in Deutschland, Berlin. Statistics, plans and models of sanitariums for children. 831
7. Dernen, Gebr., Cologne. Protective clothing for workmen. Dept. F 830
8. Gandré, Friedrich, Hildesheim. Models of disinfecting apparatus for hospitals. Dept. G 832
9. Grove, David, Berlin. Drawings of heating and ventilating plants for the German parliament building. Dept. G 829
10. Heilemann, Julius, Berlin. Two-story house of iron outside walls. 827
11. Homburg v. d. Hoche, Bad. Thermal literature. Dept. A 829
12. Horst, Chr., & V. Weltzien, Darmstadt. Drawings of the Clinical hospitals and of the insane asylum of Giessen. 832
13. Kgl. Bagerisches Bad, Kissingen. Thermal literature. Dept. A 829
14. Kgl. Preussisches Bad, Bertrich. Thermal literature. Dept. A 829
15. Kgl. Preussisches Bad, Ems. Thermal literature. Dept. A 829
16. Kgl. Preussisches Seebad, Norderney. Thermal literature. Dept. A 829
17. Koehler, Dr. med. Jean, Freiburg i-Baden. Combustible pocket telescoping spittoon. 829
18. Loeb, Bernhard, jun., Berlin. Respiratory apparatus. 830
19. Luftkurort & Weilbach, Weilbach-Baden. Thermal literature. Dept. A 829

DEPARTMENT L.—LIBERAL ARTS.

20. Meyer, Rud. Otto, Hamburg. Drawings of heating and ventilating plants in use at public institutions in Germany. Dept. G 829
21. Misdroy, Ostseebad, Misdoroy. The sea-bata Misgroj. Dept. A 829
22. Mueller, Uri, Ludwig, Coburg. Reproductions of diseases of the eye. 830
23. Schimmel, Oscar, & Co., Chemnitz. Plans of public disinfecting institutions. Dept. G 832
24. Schlangenbad, Reg. Bez., Wiesbaden. Thermal literature. Dept. A 829
25. Schuster, Carl, Berlin. School bench with folding plate and apparatus for physical culture. 842
26. Seebad Helgoland, Helgoland, Thermal literature. Dept. A 829
27. See & Soolbad, Kolberg. Thermal literature. Dept. A 829
28. Staedtische Kurverwaltung, Baden-Baden. Thermal literature. Dept. A 829
29. Soden am Taunus, Bad, Soden. Thermal literature. Dept. A 829
30. Vereinder Berliner, Volkskuechen, Berlin. Drawings and model of a charitable eating house, pamphlets. 826
31. Von Sierstorpf-Cramm'sches Bad, Driburg. Thermal literature. Dept. A. 829
32. Wolff, Felix, Berlin. Drawings of tenement houses. 827

GROUP 148.

33. Bauriedel, P. G., Nuremberg. Wafers. 834
34. Bock, Hilmar, Oberweissbach i-Th. Artificial human eyes. 838
35. Dannenberg, C. G. A., Hamburg. Surgical instruments and apparatus. Dept. H 837
36. Dewitt & Herz, Berlin. Surgical instruments, etc. Dept. H 837
37. Doerffel & Faerber, Berlin. Ophthalmologic and laryngoscopic instruments and apparatus. Dept. J 837
38. Ducehrssen, Dr. med. Alfred, Berlin. Anti-septic ligature. 837
39. Fischer, F. L., Freiburg i-Baden. Surgical instruments, cases for instruments. Dept. H 837
40. Fleischer T., Planen, Saxony. Textures for ligatures. 837
41. Halle, Bernhard, Steglitz near Berlin. Optical preparations for polarization. Dept. J 874
42. Hartmann, Paul, Heidenheim, Wurtemberg. Aseptic and anti-septic ligature. Dept. H 837
43. Hecht, J., Berlin. Ophthalmologic and laryngoscopic instruments. Dept. J 837
44. Jetter & Scheerer, Tuttingen, Wurtemberg. Aseptic, surgical instruments. Dept. H 837
45. Joh. Lehmann, Berlin. Creosote-capsules. 834
46. Kaiserl, Normal, Aichungs, Kommission, Berlin. Complete outfit of a gaujer's office. 847
47. Kohn, Emil, Karlsruhe. Platinum burners for medical use. Dept. H 837
48. Lahr, Eugen, Eschau, Bavaria. *a* Capsules filled with medical substances. 834
b Beef tea capsules. 835

49. Lceb, Bernhard, Jun., Berlin. Eye glasses. 838
50. Mueller, C., Berlin. Surgical instruments and appliances. Dept. H 837
51. Mueller, F. Ad. Soehne, Wiesbaden. *a* Pathological preparations, etc. 834
b Artificial eyes. Dept. H 838
52. Mueller, Kuller, Christoph, Lanscha i-Th. Artificial eyes. Dept. H 838
53. Mueller, Uri, Ludwig, Coburg. Artificial eyes. 838
54. Ploehn, R., Radebuel, Dresden. Ligature and dressing. Dept. H 837
55. Schmidt, Johann, Nuremberg. Wafers. 834
56. Schulze, Bruno C., Tlmenca i-Th. Artificial eyes. Dept. H 838
57. Thamm, J., Berlin. Surgical instruments and apparatus. Dept. H 837
58. Weinberg Hitzacker Sanitarium. Blood-producing beverage. 834
59. Werndt, K. R., Leipsic. Artificial teeth and sets of teeth. Dept. H 839
60. Windler, H., Berlin. Surgical instruments. Dept. H 837

GROUP 149.

61. Badischer Frauenverein, Karlsruhe. Plans and description of public institutions. 850
62. Badischer Kuns & Gewerbeverein, Karlsruhe. Publications, prints. 842
63. Berliner Hausfrauenverein, Berlin. Model of a school of cooking, manuals. 843
64. Collective, exhibit of the system of German instruction, Eisenach. Memorials, graphic representations, synopsis. 851
65. Duerfeld, Viktor, Nachf. Juhaber, Berlin-Oschatz. System of instruction for agriculture. 852
66. Elsner, Julius, Goldlauter-near-Suhl. Chemical and physical apparatus. Dept. J 845
67. Erster Dresdener Frauenbildungsverein, Dresden. System of instruction for the drawing of patterns for linen. 852
68. Fischbach, Friedrich, Wiesbaden. Lithographic plates. 469
69. Foerster, Auguste, Frl., Cassel. Utensils for children's schools of cooking. 843
70. Frauenbildungsverein, Breslau. System of instruction and works of the kindergarten. 84
71. Frauenbildungsverein, Eisenach. Description of the system of Froebel's school of sewing. 841
72. Frauenbildungsverein zur Foerderung der, Erwerbsthactigkeit, Breslau. System of instruction for schools of millinery and dressmaking, work of pupils. 843
73. Frauenarbeitsschule, Reutlingen. System of instruction in young women's school. 842
74. Froebel-Verein, Berlin. Collection of Froebel's means of instruction and occupation. 841
75. Gagel, Karl, Karlsruhe. Designs for art teaching. 846
76. Gebhardt, Paul, Berlin. Scientific physical apparatus for instruction. Dept. J 845
77. Gerber, August, Cologne. Plaster casts. 846

GERMANY.

78. Goetz, Hermann, Prof., Karlsruhe. Publications, reproductions of designs. 846
79. Grossherzogtl Saechsische Praefung-sanstalt fuer Glasinstruments Timenau i-Th. Chemical apparatus. 845
80. Haushaltungs Schule fuer Bauern Toechter. Radolfzell, Baden. Compendium and reports. 843
81. Heerwart, Frl., Eisenach. Froebel's system of occupation. 841
82. Heyl, Frau, Charlottenburg. Utensils for children's schools of cooking. 843
83. Hendschel, M., Frankfort-on-the-Main. Sketch book. 846
84. Hoffman, Julius, Stuttgart. Designs for art industrial work. 846
85. Hoffmann & Ohnstein, Leipsic. Manuals for female hand work. 843
86. Kafemann, A. W., Danzig. Charts for intuitive instruction. 841
87. Kaiserl Normal Aichungs Kommission, Berlin. Scientific publications, etc. Dept. J 845
88. Kafferer, C. A. Frankfort-on-the-Main. Small school room with patent benches and tables. 841
89. Kern's, T.U.Verlag, Breslau. Works on natural science, illustrated cartoons and playbooks. 845
90. Kindergarten-Verein, Breslau. Model of a kindergarten. 841
91. Kinder Rettungsanstalt, Herbrechtingen-Wurtemberg. Handwork of children. 843
92. Kleinkinder Verpflegungs-Anstalt, Stuttgart. Photographs of the "Olga" crib. 841
93. Klemm's H. Verlag, Dresden. Literature for dressmakers. 843
94. Klose & Wollmerstaedt, Berlin. Xylographical works. 846
95. Kohl, Max, Chemnitz. Air-pumps and various other scientific apparatus. Dept. J 845
96. Kramer & Fuchs, Frankfort-on-the-Main. Complete sample book. 843
97. Krantz, Dr. F., Bonn. Collection of models of minerals, relief-maps. 845
98. Laeuger, Max, Karlsruhe. Graphic works. 846
99. Landois, Dr. H., Muenster i-W. Zoological preparations for instruction. 845
100. Lette-Verein, Berlin. Courses of instruction and work of pupils. 847
101. Magistracy, Breslau. System of instruction for handwork of the public schools of Breslau, works of pupils. 844
102. Magistracy, Munich. Drawings and penmanship from the Munich public schools. 850
103. Marbach, Frl., Eisenach. Portfolio with Froebel's system of occupation. 841
104. Nitzschke, Wilh., Stuttgart. Designs for art industry. 846
105. Sommer, Marcus, Sonneberg. Anatomical models. 845
106. Sophienshift, Weimar. Views of the institution, works of pupils, means of instruction. 844
107. Nebe, Wilhelm, Zerbst. Chemical and physical glass instruments. Dept J. 845
108. Vereinfuer Volkserziehung, Berlin. Educational life in the "Pestalozzi-Froebel House" represented in plastic groups. 841
109. Verein zur Erziehung Schulentlassener rAmer Maedchen, Berlin. Model of the institution. 851
110. Wachter, M., Freiburg i-Baden. Designs for calligraphy. 846
111. Ziegler, Friedrich, Freiburg i-B. Models of wax for scientific instruction. 845

GROUP 150.

112. Abel, Ambr., Leipsic. Works on medicine and botany. 854
113. Abel & Mueller, Leipsic. Illustrated works. 857
114. Ackermann, Th., Munich. Books. Dept. G 854
115. Albert, Jos., Munich. Illustrated works. 857
116. Amelang, C. F., Leipsic. a Illustrated works, literature, anthologies. 854
b School books. 855
117. Amthor'sche Verlagsbuchhandlung, Leipsic. Tourists' guides. 862
118. Architekten und Ingenieur Verein, Hanover. Periodical of the association. Dept. G 856
119. Asher, A., & Co., Berlin. Scientific books, archæology. 854
120. Baedeker, Carl, Leipsic. Tourists' guides. 862
121. Baedeker, G. D., Essen. a Geographical works. 854
b School books. 855
122. Baedeker, Julius, Leipsic. a Literature. 854
b Illustrated works. 857
123. Baer, Joseph, & Co., Frankfort-on-the-Main. Printed works. 854
124. Barth, Joh. Ambr., Leipsic. Works on natural science. 854
125. Bassermann'sche Buchhandlung, Munich. Books. 854
126. Bassermann, Fr., Munich. Wilhelm Busch's humorous literature. 854
127. Baumgaertner'sche Buchhandlung, Leipsic. Books. Dept. G 854
128. Bergmann, J. F., Wiesbaden. Books. Dept. G 854
129. Berker-Merker, E., Heilbronn. Printed works. 854
130. Berg, L. F. W., Berlin. Trade journals. 856
131. Berthold, Rud., & Co., Wiesbaden. Printed works. 854
132. Bertling, Theod, Danzig. Printed works. 854
133. Bielefeld's, Verlag, Karlsruhe. Books. Dept. G 854
134. Bleyl, T., Dresden. Works on architecture and art industry. 854
135. Bloem, Julius, Dresden. Trade journals and calendars. 856
136. Boas & Hesse, Berlin. Dictionary and synopsis of the human ear. 854
137. Bong & Co., Berlin. "Zurguten Stunde," Illustrated Family Journal, Illustrated Classic Library. 857

DEPARTMENT L.—LIBERAL ARTS.

138. Bong, Rich, Berlin. Illustrated periodical "Moderne Kunst." 857
139. Bormann, Edwin, Leipsic. Poetry in the Saxon dialect. 854
140. Boysen, C., Hamburg. Illustrated works of Allers, Haase, Mueller. 857
141. Boysen & Maasch, Hamburg. Works on architecture and industry. 854
142. Brandner, Otto, Dresden. Religious illustrated works. 857
143. Brandstetter, Friedrich, Leipsic. School books. 855
144. Braun & Schneider, Munich. "Fliegende Blaetter." 857
145. Bretkopf & Haertel, Leipsic. Printed works. 854
146. Breymann & Huebener, Hamburg. Illustrated catalogues. 860
147. Brockhaus, F. A., Leipsic. Dictionary. 854
148. Bruening, Heinr. & Aug., Hanau. Cigar labels, etc. 860
149. Buchhandlung der Waisenhauses. Halle a-T. Printed works. 854
150. Buelz, Martin, Chemnitz. Printed works. 854
151. Chief Mayor's office, Cologne. Drawings: Street construction, canal construction, harbor plant, municipal elevated constructions, etc. Dept. G 863
152. Consée, O., Munich. Printed works. 845
153. Cottasche, J. G., Stuttgart. Books. 854
154. Craz & Gerlach, Freiberg, Saxony. Books. 854
155. Cronan, Rudolf, Leipsic. Sketches of America. 854
156. Duncker, Alex., Berlin. Political correspondence of Frederic the Great. 854
157. Diakonissen, Anstalt, Kaiserswerth. Religious literature. 854
158. Dieterichsche, Verlagsbuchhandlung. Goettingen. Works on classical philology. 854
159. Dreesen, Wilh., Flensburg. Illustrated books. 857
160. Drugulin, W., Leipsic. Ancient and oriental literature and prints. 854
161. Emele, Jul., Wiesloch. Works about bookkeeping, literature and horology. 854
162. Engelmann, Wilh., Leipsic. Literature of natural science. history and ethnology. 854
163. Ewertsche, N. G., Verlagsbuchhandlung, Marburg. Printed works. 854
164. Exportverein fuer das Koenigreich, Lachsen, Dresden. Manuals for exporters. 860
165. Felix, Arthur, Leipsic. Books. Dept. G 854
166. Fiedler, W., Leipsic. Order calendar for publishing houses. 860
167. Fleischmann, Julius, Gotha. Manual for exporters. Dept. G 860
168. Flemming, Karl, Glogan. a Juvenile literature. 854
b Maps. 864
169. Fliegel, F. F., & Co., Dresden. Posters; articles for publicity, etc. 860
170. Fock, Gustave, Leipsic. Printed works. 854
171. Francke, Bernh., Sangerhausen. Printed works. 854
172. Freyhoff, Ed., Oranienburg. Works on economy and agriculture. 854
173. Friebel, Hugo & Co., Leipsic-Reudnitz. Pamphlet on the bookbinders' trade. 856
174. Friederichsen, L. & Co., Hamburg. Land and marine charts. 864
175. Friedlaender, R., & Sohn, Berlin. Works on natural history and science. 854
176. Friedrich, Wilh., Leipsic. High class literature. 854
177. Friese & von Puttkamer, Dresden. Works on machinery. 854
178. Friese, Robert, Leipsic. Printed works. 854
179. Froebelhaus (A. Mueller), Dresden. Geographical map of the earth. 864
180. Fromman & Morian, Darmstadt. Geographical boards for instruction in natural history. 864
181. Gebhardt & Wilisch, Leipsic. School books, works on anatomy. 855
182. Geibel & Brockhaus, Leipsic. Juvenile literature. 854
183. Gerhardt, Wolfgang, Leipsic. Works for instruction in the Russian language, oriental literature. 854
184. Gensel, Gustav, Grima. Printed works. 854
185. Georgi, Karl, Berlin. Printed works. 864
186. Gesellschaft fuer Erdkunde, Berlin. Reproduction of "Merrator's" work. 864
187. Glaser, F. C., Berlin. Annals of trade and architecture. Dept. G 856
188. Goehre, H. M., Leipsic. Bookbinders' works. 856
189. Graebner, Gust, Leipsic. Printed works. 854
190. Graf & Sohn, Herm, Altenburg. Bookbinders' works. 856
191. Graefe, Lucas, & Sillem, Hamburg. Printed works. 854
192. Graser, Herm., Annaberg. Printed works. 854
193. Grottesche, G., Verlagbuchhandlung, Berlin. Illustrated works of classics and history. 857
194. Grumbach, C., Leipsic. Illustrated printing. 857
195. Gutbier, Adolf, Dresden. Printed works. 854
196. Haeder, Herm., Duisburg. Books. Dept. G 854
197. Haekner, Carl, Dresden. Printed works. 854
198. Haessel, H., Leipsic. High class literature. 854
199. Hahn'sche Buchhandlung, Hanover. Books. 854
200. Halle, W., Altona. Printed works. 854
201. Harrassowitz, Otto, Leipsic. Printed works. 854
202. Harrwitz, Max, Berlin. Printed works. 854
203. Hedeler, G., Leipsic. Journal for exporters. 856
204. Heine's, T. T. Verlag, Berlin. Printed works. 854

GERMANY.

205. Hendel, Otto, Halle a-S. Printed works. 854
206. Henze's, A., Verlag, Leipsic-Neustadt. Geographical globes. 864
207. Herder'sche Verlagsbuchhandlung, Freiburg i-B. Printed works. 854
208. Hermann, H. S., Berlin. Chinese geographical map. 864
209. Herrcke & Lebeling, Stettin. School books for the English language. 855
210. Herrose's, R. Verlag, Wittenberg. Printed works. 854
211. Hessling & Spielmeyer, Berlin. Works on architecture. 854
212. Heymann, C., Berlin. Works on jurisprudence and political science. Dept. G 854
213. Heymann & Schmidt, Berlin. Advertising cards and novelties. 860
214. Hiersemann, C. W., Leipsic. Literature of art and art industry, architecture, archæology and Americana. 854
215. Hinrichs'sche, T. C., Buchhandlung, Leipsic. Works on bibliography, theology and archæology. 854
216. Hinstorffsche Hofbuchhandlung, Wismar. Works of Fritz Reuter, Gaedertz and Hr. Semler. 854
217. Hirt, Ferdinand & Sohn, Leipsic. School books. 855
218. Hirt, Ferdinand, Breslau. Illustrated works. 857
219. Hirt, Ferdinand & Sohn, Leipsic. Juvenile and pedagogical literature. 855
220. Hirzel, S., Leipsic. Grimm Bros. dictionary. works of Gustav Freitag. 854
221. Hoffmann, Julius, Stuttgart. Juvenile literature. 854
222. Hoffmann, A. & W., Berlin. Printed works. 854
223. Holtze's, Otto, Nachf, Leipsic. Classics and dictionaries. 854
224. Institut, Kaiserlich deutsches archæologisches, Berlin. Official publications. 854
225. Institut, Bibliographisches, Leipsic. Meyer's dictionary, "Brehm's thierleben," etc. 854
226. Institut, Koenigl Stenographisches, Dresden. Publications of members. 856
227. Issleib, Wilhelm, Berlin. Works on medicine. 854
228. Jordan's, W., Frankfort-on-the-Main. High class literature, "die Nebenlungen," "odyssee." 854
229. Juestel & Goettel, Leipsic. Works for manufacturers. 854
230. Kanits, Herm. Gera. Printed works. 854
231. Keil's Ernst, Nachf, Leipsic. Magazine, "Gartenlaube." 857
232. Keller, Wilhelm, Munich. Printed works. 854
233. Keller, Henri, Frankfort-on-the-Main. Illustrated works on architecture, art history, etc. 857
234. Klim, Gebirgkuroeb Polizin, Pomerania Pamphlets. Dept. A 854
235. Kits, Herm., Saulgau, Wurtemberg. Printed works. 854
236. Klemm & Weiss, Dresden. Trade literature for tailors. 860
237. Klinkhardt, Jul, Leipsic. Printed works. 854
238. Koehler's, K. F., Antiquarium, Berlin. Printed works. 854
239. Koehler, K. F., Leipsic. Printed works. 854
240. Kohlhammer, W., Stuttgart. Works on political history and jurisprudence, oriental literature, documents from the Vatican. 854
241. Kreidel, C. W., Wiesbaden. Printed works. 854
242. Kretschmann, R., & M., Magdeburg. Ornithological literature. 854
243. Kuechtmann, Gerhard, Dresden. Books on pedagogy and technology. 854
244. Kuerschner, Jos., Stuttgart. Selection of own works. 854
245. Kuns, M., Illsach, Alsace. Geographical works. 854
246. Kunstakademie und Kunstgesverbeschule, Koenigl, Leipsic. Official publications of the institution. 854
247. Labensien, Max, Rathenow. Military literature. 854
248. Lang, Georg, Leipsic. Maps. 864
249. Lampart's Alpiner Verlag, Augsburg. Maps and guides to the German Alps. 884
250. Langenschildt, Prof. G., Berlin. Works on the study of modern languages and literature. 854
251. Lang, Georg, Leipsic. Books. 854
252. Laupp'sche, H. Buchhandlung, Tullingen. Works on jurisprudence, political economy and medicine. 854
253. Lehmann's, J. F., Medizinische Buchhandlung, Munich. Printed works. 854
254. Leipsiger Monatschrift fuer Textil Industrie, Leipsic. Trade literature. 860
255. Lesimple's Adolph Verlag, Leipsic. Printed works. 854
256. Liegismund, K., Berlin. Portrait gallery of the reigning princes and princesses of Europe. 857
257. Limbarth, Chr., Wiessbaden. Printed works. 854
258. Lindauersche, J., Buchhandlung, Munich. Scientific works. 854
259. Lipsius & Fischer, Kiel. Books on shipbuilding. Dept. G 854
260. Lipperheide, Franz, Berlin. Periodical "Modenwelt." 857
261. Lipsius & Fischer, Kiel. Nautical works. 854
262. Loewenthal, W. & S., Berlin. Berlin directory. 862
263. Loewe's, F., Verlag, Stuttgart. Juvenile literature. 854
264. Luestenoeder, H., Berlin. Printed works. 854
265. Maeser, Julius, Leipsic. Printed works. 854
266. Mahlan & Waldschmidt, Frankfort-on-the-Main. Printed works. 854
267. Mahn, Adolf, Leipsic. "Von Haus zu Haus," weekly journal. 857
268. Malcanes, Carl, Berlin. Printed works. 854
269. Martin, C. A., Leipsic. Trade journal for turners and wood sculptors. 856
270. Mittelacher, Ad., Duesseldorf. Card-board labels. 860

DEPARTMENT L.—LIBERAL ARTS.

271. Mitscher & Roestell, Berlin. Printed works. 854
272. Mohrmann, Ernst, Stuttgart. Printed works. 854
273. Morgenstern, E., Breslau. Maps for instruction in physics and natural history. 864
274. Moritz, J. & Co., Hangenbieten, Alsace. Copying book with sample print. 854
275. Mueller, Michael, Munich. Trade literature for merchant tailors. 860
276. Mueckenberger, Rudolf, Berlin. Printed works. 854
277. Municipality of Berlin. Plans: Insane asylum, public lodging house, hospital, public baths, stock yards and slaughter house, markets, bridges, drainage, gas works, etc. Dept. G 863
278. Naumann, C. G., Leipsic. Printed works. 854
279. Nitzschke, Wilh., Stuttgart. Juvenile literature and natural history. 854
280. Oldenburg, R., Munich. Books. Dept. G 854
281. Opitz & Co., Guestrow. Printed works. 854
282. Oppenheim, R., Berlin. Scientific works. 854
283. Paetel, Gebr., Berlin. "Deutsche Rundschau," memoirs, etc. 854
284. Paetel, Hermann, Berlin. Scientific works. 854
285. Pasch, Max, Berlin. Printed works. 854
286. Pawelek, H., Regensburg. Theology works. 854
287. Perthes, Justus, Gotha. Literature. 854
288. Pfisterer & Leser, Lahr-Baden. Labels and posters. 860
289. Pietsch, Fr. Chr., Giessen. Printed works. 854
290. Prager & Lozda, Berlin. Advertising posters. 860
291. Prager, R. L., Berlin. Works on political economy. 854
292. Pustet, Fr., Regensburg. Printed works. 854
293. Puttkammer & Muehlbrecht, Berlin. Works on political economy and jurisprudence. 854
294. Ramm & Leemann, Leipsic. Printed works. 854
295. Redaktion der Zeitschrift "Stahl und Eisen," Duesseldorf. Literature. Dept. G 854
296. Regenhart, C., Berlin.
a Works on philology and commercial science. 854
b Trade directories. 862
297. Reimer, Dietrich, Berlin. Geographical maps and globes. 864
298. Reissland, O. R., Leipsic. Works on jurisprudence, medicine and geography. 854
299. Reuther, H., & Reichard, Berlin. Printed works. 854
300. Richter & Kappler, Munich. High class literature. 854
301. Rosenbaum & Hart, Berlin. Printed works. 854
302. Roth, Emil, Giessen. Printed works. 854
303. Rueger, Max, Berlin. Printed works. 854
304. Russel's, Adolph Verlag, Muenster i-W. Catalogue of the German publishing houses. 860
305. Sachsischer Ingenieur und Architekten-Verein, Dresden. Organ of the association, "The Civil Engineer." 856
306. Schaefer, Morits, Leipsic. Technological works. 856
307. Schlesische Buchdruckerei, Kunst und Verlags vorm, S. Schottlaender-anstalt. Breslau.
a Sample book with printed matter. 854
b Roster. 860
308. Schmorl & von Seefeld Nachf, Hannover. Books. Dept. G 854
309. Schmidt & Gelbrecht, Berlin. Manual directory for exporters. 862
310. Schmidt, H., & C. Guenther, Leipsic. Illustrated works on geography and ethnology. 857
311. Schoeningh, Ferd., Paderborn. School books. 855
312. Schorer, J. H., Berlin. "Das Echo" and "Schorer's" Familienblatt periodicals. 857
313. Schroeder, T. V., Paderborn. Printed works. 854
314. Schueffner, H. J., Nuremberg. Posters and advertising cards. 860
315. Schulze, Rich., Duisburg. Books. 854
316. Schulz, Engelhard W., Berlin. Works on art industry and architect. 854
317. Seehagen, Oswald, Berlin. Schloesser's history of the world. 854
318. Seemann, Arthur, Leipsic. High class literature. 854
319. Seemann, E. A., Leipsic. Work on art and art industry. 854
320. Send, Anton, Altona. Works on the textile industry, weaving, etc. 854
321. Seydel, A., Berlin. Books. Dept. G 854
322. Siemenroth & Worms, Berlin. Works on political science and jurisprudence. 854
323. Siemens, Georg, Berlin. Works on architecture. 854
324. Simon, Leonhard, Berlin. Books. Dept. G 854
325. Sittenfeld, Julius, Berlin. Printed works. 854
326. Soldau, Sigmund, Nuremberg. Illustrated works. 857
327. Spamer, Otto, Leipsic. Spamer's encyclopedia, Buch der Erfindungen juvenile literature. 854
328. Spangenberg, E., Berlin. Stamped writing paper, congratulation cards, etc. 854
329. Spamer, Hugo, Berlin. Printed works. 854
330. Speyer & Peters, Berlin. Scientific works. 854
331. Springer, Julius, Berlin.
a Books. Dept. G 854
b Trade works. 860
332. Stankiewier, P., Berlin.
a Trade works. 860
b Directory for exporters. 862

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333. Stahl Sooi und Eisenmoorbath, Pymont. Pamphlets. Dept. A 854
334. Stankiewicz, P., Berlin. Scientific works. 854
335. Steinschneider, Julius, Berlin. Printed works. 854
336. Strassburger Druckerei und Verlagsanstalt vorm R. Schultz & Co., Strassburg i-A. Printed works. 854
337. Strauss, Emil, Bonn. Illustrated works. 857
338. Stroefler, Theo., Munich. Printed works. 854
339. Tauchnitz, Bernhard, Leipsic. "Tauchnitz edition" of dictionaries for foreign languages. 854
340. Terosch, H., Berlin. "Berliner Pflaster" illustrated journal. 857
341. Teubner, Leipsic. Books. Dept. G 854
342. Travers, J., Mayence. International Police Gazette. 857
343. Trewendt, Ed., Breslau. Works on natural science. 854
344. Trowitzsch & Sohn, Berlin. Printed works. 854
345. Truebner, Karl J., Strassbourg i-Alsace. Scientific works. 854
346. Union, Deutsche Verlagsgesellschaft, Stuttgart. Printed works. 854
347. Vahlen, Franz, Berlin. Works on political science, jurisprudence, and general history. 854
348. Vandenhoeck & Ruprecht, Goettingen. Religious works. 854
349. Valhagen & Klasing, Leipsic.
a History and juvenile books. 854
b School books. 855
c Manual atlas. 864
350. Verband der Dampfkessel Ueberwachungs-Vereine, Breslau. Periodicals of the association. 856
351. Verein, Allgemeiner fuer Deutsche Litteratur, Berlin. Printed works. 854
352. Verein Deutscher Ingenieure, Berlin. Periodicals of the association. Dept. G 856
353. Verein zur Befoerderung des Gewerbfleisses, Berlin. Literature. Dept. G 854
354. Verlag der Fachzeitschrift der Industrie des Erzgebirges und des Vogtlandes, Dresden. Trade journal. 856
355. Verlagsanstalt und Druckerei vorm, T. F. Richter, Hamburg. Printed works. 854
356. Verlagsanstalt fuer Kunst und Wissenschaft, Munich. Art, historical and illustrated works. 857
357. Verlag und Expedition der Internationalen Zeitschrift fuer Industrie und Handel, Berlin. "Der Weltmarkt." 856
358. Veiweg, Fr. & Sohn, Brunswick.
a Books. 854
b Chemical technical works. 856
359. Voigt, Bernh. Fr., Weimar. Works on technology and industry. 854
360. Volckmar, F., Leipsic. Printed works. 854
361. Voss, Leop., Hamburg. Medical works. 854
362. Wagner, H. & E. Debes, Leipsic. Printed works. 854
363. Warschaner, Moritz, Berlin. Trade journal for manufacturers of musical instruments. 856
364. Wasmuth, Ernst, Berlin. Works on architecture and art. 854
365. Weber, T. T., Leipsic. Illustrated journal. 857
366. Weigel, Gustav, Leipsic. Printed works. 854
367. Weike, R., Stassfurt. Pamphlets. Dept. G 854
368. Welter, H., Leipsic and Paris. Printed works. 854
369. Werner, Jul., Leipsic. Printed works. 854
370. Werner, L., Munich. Works on architecture and art industry. 856
371. Westermann, Geo., Brunswick. Printed works. 854
372. Wiegandt & Grieben, Berlin. Pedagogical and theological works. 854
373. Wigand, Otto, Leipsic. Medical, technical books and dictionaries. 854
374. Wittwer, K., Stuttgart. Books. 854
375. Wolfrum, Fr., Duesseldorf. Works on architecture and art industry. 854
376. Wollermann, H., Brunswick. Theological and pedagogical literature. 854
377. Woywod, Max, Breslau. Printed works. 854
378. Zahn, G. & H. Baendel, Kirchhain, N. L. Printed works in foreign languages. 854
379. Zeitschrift fuer das Berg, Huetten und Salinenwesen, Berlin. Publications. Dept. G 854
380. Zernin, Ed., Darmstadt. Printed works. 854
381. Zwissler, Julius, Wolfenbuettel. Printed works. 854

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382. Abendroth, F., Leipsic-Plagwitz. Photographs. 871
383. Archenhold, F. S., Halensee, near Berlin. Astronomical-meteorological photographs. 871
384. Beckert, Max, Papenkirchen. Photographs. 871
385. Berger, Walter & Co., Goetzenbrueck, Lorraine. Eye glasses. 874
386. Bock Hilmar, Oberweissbach i-Th. Thermometers. 872
387. Bohne, Otto, Berlin. Thermometers and hygrometers. Dept. J 872
388. Burckhardt, Arth., Glashuetten, Saxony. Calculating machine. Dept. J 865
389. Butenschoen, Georg, Bahrenfeldt, near Hamburg. Geodetic instruments. Dept. J 867
390. Cayette, Geo & Co., Nuremberg. Stereoscopes, pantoscopes, etc. 874
391. Custodis, Alphons, Duisseldorf. Dasymer, air-pyrometer, draft-meter. Dept. F 872
392. Dieckmann, W., Calle-Hanover. Geographic musical clock. Dept. J 873
393. Dietrich, Michael, Munich. Landscape photos. 871
394. Dreesen, Wilh., Fleusburg. Photos, portraits and landscapes. 871
395. Dressler & Heinemann, Munich. Photographic apparatus and utensils. Dept. D 871
396. Ernst, Karl, & Co., Berlin. Paper and cartoon goods for photos. 871

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397. Goerz, C., Berlin-Schoeneburg. Photographic lenses. 871
398. Grossherzogli, Saechsische Praefungsanstalt fuer Glasinstrumente, Ilmenau, i-Th. Thermoters, areometers. Dept. J 872
399. Haack, Max, Adolph, Leipsic. Field glasses, optic resources for war exigencies. Dept. H 874
400. Haff, Gebrueder, Pfraten, Bavaria. Cases of mathematical instruments. 867
401. Hanfstaengel, Franz, Munich. Photographs. 871
402. Hasemann, A., Berlin. Adjusting apparatus for scales, etc. Dept. J 865
403. Herzheim Bros., Dueren. Photographic paper. 871
404. Hirschmann, W. A., Berlin. Apparatus electro-therapeutics. Dept. J 875
405. Jung, R., Heidelberg. Scientific instruments. 865
406. Kehr, S. Gg., Nuremberg. Mathematical cases of instruments. 867
407. Kricheldorf, Julius, Berlin. Portraits taken by magnesium light. 871
408. Kromschroeder, G., Osnabrueck. Gas meters, etc. Dept. J 865
409. Kruess, A., Hamburg. Spectro-apparatus, photometric and projection apparatus. Dept. J 870
410. Kuntzenmueller, W., Baden-Baden. Photographs. 871
411. Leisener, A. Waldenburg, i-S. Porcelain articles with burned photos. 871
412. Lufft, G., Stuttgart. Metal barometers. Dept. J 872
413. Moeller, Oskar, Hamburg. Holographic and patent metal barometers, thermometers. Dept. J 872
414. Merz, Jakob, Munich. Equatorial and astronomical object glasses. Dept. J 866
415. Metallwaaren und Maasfabrik, Werdau-Saxony. Instruments of precision, water scales and measures. Dept. H 865
416. Niehs, W., Berlin. Thermometers and areometers. Dept. J 872
417. Ott, Albert, Kempten. Surveying instruments. Dept. J 867
418. Pessler, Adolph, Freiburg, Saxony. Libellas for astronomical and mathematical instruments. Dept. J 868
419. Photo-technical Laboratory of the Royal Technical High School. Charlottenburg. Photo-chemical process. 871
420. Physikalisch Technische Reichsanstalt, Berlin. Scientific instruments and apparatus. Dept. J 865
421. Pinger, Th., Berlin. Photographic supplies. 871
422. Prager & Lojda, Berlin. Photographic cards and cartoons. 871
423. Reiniger, Gebhart & Schall, Erlangen. Electro-medical apparatus. Dept. J 875
424. Riefler, Clemans, Munich. Cases of mathematical instruments. Dept. J 867
425. Schieck, F. W., Berlin. Microscopic apparatus, etc. Dept. J 874
426. Schilling, Theodor, Nuremberg. Cases of mathematical instruments. 867
427. Schmidt, Georg, Schmiedefeld Kreis, Schlensingen. Thermometers and other glass instruments. Dept. J 872
428. Schmidt, Franz & Haentsch, Berlin. Polarization apparatus, photometers, spectro-photometers, etc. Dept. J 874
429. Schoener, Georg, Nuremberg. Cases of mathematical instruments. Dept. H 867
430. Schott & Gen, Jena.
a Tubes for thermometers, etc. Dept. J 872
b Optical glasses. 874
431. Schubert, Max, Chemnitz, Saxony. Monometers. 867
432. Schuler, H., Heilbronn. Photographic products. 871
433. Schultze, G. A., Berlin. Thermometers, alcohol meters, areometers, etc. Dept. J 872
434. Schulze & Bartels, Rathenow.
a Object glasses for telescopes, etc. Dept. J 866
b Field glasses. 874
435. Schuetze & Noack, Hamburg. Photographs. 871
436. Schuster, Rudolf, Berlin. Photographs. 871
437. Staudinger, C., & Co., Nachf, Giessen. Testing scales, kathetometers, etc. Dept. J 865
438. Steeg, Dr., & Reuter, Homburg v. d. Hoche. Instruments, etc., for the polarization of light, saccharimeters. Dept. J 870
439. Stegemann, Berlin. Cameras. 871
440. Steinheil, C. A., Soehne, Munich.
a Astronomical telescopes and appliances. Dept. J 866
b Photographic glasses, etc. 871
441. Stephanus, H., Trier. Album containing views of Trier. 871
442. Stockert, Paul, Fuerth. Compass. Dept. J 867
443. Stoeffler, Wilk., Pforstheim. Opera glasses. 874
444. Strumper & Co., Hamburg. Photographs, etc. 871
445. Sydow, Emil, Berlin. Optical and ophthalmological instruments. Dept. J 874
446. Tesdorpf, Ludwig, Stuttgart.
a Astronomical instruments. Dept. J 866
b Geodetic and surveying instruments. 867
447. Uflacker, H., Altona. Views of Altona and environs. 871
448. Vogel, Ulrich, Berlin. Natural colored photo-prints. 871
449. Voigtlaender & Sohn, Brunswick.
a Terrestrial telescopes. Dept. J 886
b Photographic lenses. 871
c Double field glasses. 874
450. Wenzel, Georg, Hamburg. Instantaneous photos. 871
451. Wimmel, P. & Co., Berlin. Photographs. 871
452. Zeiss, Karl, Jena. Microscopes and micro-photographic apparatus. Dept. J 874

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453. Aktien-Maschinenbau-Anstalt, vorm Venuleth & Ellenberger, Darmstadt. Model of an alcohol distillery, drawings, etc. Dept. G 889
454. Bachs, C., Professor, Stuttgart. Publication. Dept. G 844

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455. **Barth, Conrad, & Co., Munich.** Facade. 889
456. **Blumberg & Schriber, Berlin.** Design of a circus building for Berlin. 889
457. **Chief Mayor's Office, Leipsic.** Drawings, plants and machinery of the city water-works. Dept. G 881
458. **City Council, Karlsruhe.** Drawing, reservoir of the Karlsruhe water-works. Dept. G 881
459. **Deutsche Continental Gas Gesellschaft, Dessau.** Drawings of gas-works and electric plants. Dept. G 889
460. **Dollinger, C., Stuttgart.** Renovation of the facade of the City hall at Tuebingen. 889
461. **Durm, Josef, Karlsruhe.** Drawings of the palaces and the churches of Germany. 889
462. **Ebhardt & H. von Holst, Berlin.** Drawings of residences of the vicinity of Berlin. 889
463. **Eichner, W., Leipsic, Gohlis.** Roofs of wicker-work. Dept. G 889
464. **Ende & Boeckmann, Berlin.** Drawings of public institutions. 889
465. **Generaldirektion der Kgl. Bayerischen, Staatseisenbahnen, Munich.** Photographs of river bridges, waiting room of the Central passenger depot at Munich. Dept. G 889
466. **Grossh Hessisches Staatz-bezw, Finanzministerium, Darmstadt.** Plans for the construction of a solid street bridge across the Rhine near Mainz. Dept. G 880
467. **Grossherzogliche Badische Oberdirektion des Wasser und Straussenbaus, Karlsruhe.** Drawings of the bridge crossing The Neckar at Mannheim. Dept. G 880
468. **Gute Hoffnungshuette, Aktren Verein fuer Bergbau und Huettenbetrieb, Oberhausen.** Iron construction for the Krupp pavilion, photographs of former works. Dept. G 889
469. **Haller, M., Hamburg.** Drawing of the office of the Hamburg-American Packet Co., at Hamburg, drawing of the Dovenhof in Hamburg. 889
470. **Hanberisser, G., Munich.** Drawing: City hall at Wiesbaden, etc. 889
471. **Haniel & Lug, Duesseldorf.** Drawings of hydraulic apparatus of the ports of Hamburg and Venice. Dept. G 881
472. **Hannover'sche Maschinenbau, Akt. Gesellschaft vorm Georg Egestorff, Linden-Hanover.** Drawing of water works of Berlin and Rotterdam. Dept. G 881
473. **Heim, L., Berlin.** Drawings of Berlin hotels. 889
474. **Heinewetter, Hans, Munich.** Drawings of Exposition buildings. 889
475. **Helios Aktiengesellschaft fuer Elektrisches Licht und Telegraphen Bau, Cologne-Ehrenfeld.** Drawings and photographs of electricity plants at Cologne and Amsterdam. Dept. G 889
476. **Hofmann, K., Worms.** Drawings: water tower and storage house in Worms. 881
477. **Hoven, Fr., von Frankfort-on-the-Main.** Drawings of the Essighaus at Frankfort, residence at Koenigstein. 889
478. **Stueckenholz, Ludwig, Wetter, a-d-Ruhr.** Photographs and drawings of harbor-cranes. Dept. G 881
479. **Humboldt, Maschinenbau Anstalt, Kalk near Cologne.** Drawings and models of plants for the preparation of ore and coal, etc. Dept. G 885
480. **Kaiserliche Kanal-Kommission, Kiel.** Relief plan of the North and Baltic Sea, canal with environs. Dept. G 882
481. **Kayser & von Grossheim, Berlin.** Drawings of Leipsic buildings. 889
482. **Kgl. Bayerisches Staatsministerium des Inneren, oberste Baubehoeerde, Munich.** Dept. G
a Photos of mountain roads, etc. 879
b Photos of stone and iron bridges. 880
c Works relating to water constructions. 881
483. **Kgl. Generaldirektion der Bayerischen Staatseisen Bahnen, Munich.** Drawing: Service building of the Central railroad depot in Munich. 889
484. **Kgl. Mech. Techn. Versuchsanstalt, Berlin-Charlottenburg.** Plan and interior views of the assay localities and workshops, etc. Dept. G 885
485. **Kgl. Preussisches Ministerium der Oeffentlichen Arbeiten, Berlin.**
a Plans, drawings, photographs and printed works of Prussian hydraulic architecture. Dept. G 881
b Drawings of public buildings. 889
486. **Kgl. Saechsisches Finanzministerium, Dresden.** Models, drawings and photographs of bridges, etc. Dept. G 880
487. **Klingenberg, E., Treseburg.** Designs: Enlargement of the Cathedral and museums in Berlin. 889
488. **Kreyssig, Ed., Mainz.** Drawing: City hall of Mainz. 889
489. **Kuemmel, W., Hamburg.**
a Drawing of Altona water works. Dept. G 881
b Drawing of Guaguaquil gas works. 889
490. **Kramer, Th., von Nuremberg.** Drawing: Industrial museum of Nuremberg. 889
491. **Lambert & Stahl, Stuttgart.** Drawing: National museum of Berne. 889
492. **Licht, H., Leipsic.** Design of the City hall in Leipsic, police headquarters and enlargement of the museum. 889
493. **Linse, Ed., Aachen.** Designs of residences, interior decoration. 889
494. **Luther, G., Brunswick.** Display of the work of removing rocks on the lower Danube; harbor plants at La Plata and Odessa. Dept. G 881
495. **March, O., Charlottenburg near Berlin.** Drawings: Municipal theatre and business house in Worms. 889
496. **Menck & Hamm, Altona-Hamburg.** Drawings of engines for the construction of the harbor at Santos. Dept. G 881
497. **Meyer, Dr. M. W., Berlin.** Observatory hall for physical experiments and astronomical theatre. 889
498. **Municipal Administration, Frankfort-on-the-Main.** Drawing: Opera house, Frankfort. 889

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499. Municipality, Frankfort-on-the-Main. Models and drawings of water works and drainage. Dept. G 881
500. Municipality, Munich. Plans and models of the drainage system and water-works. Dept. G 881
501. Municipality, Altona. Drawings of the machinery and filter plant of the Altona water works. Dept. G 881
502. Municipality, Darmstadt.
a Drawings and photos of the water works. Dept. G 881
b Drawings and plans of the electric-ity works. 889
503. Municipality, Worms. Model of a submerging apparatus; models and plans of the municipal filter plants. Dept. G 881
504. Municipality, Koenigsberg.
a Drawings of the Municipal bridges. Dept. G 880
b Drawings of the Municipal electric works. 889
505. Neckelmann, Skjold, Stuttgart. Drawings: Industrial museum (Stuttgart), national library (Strassburg), etc. 889
506. Neher, L., & Von Kauffmann, Frankfort-on-the-Main. Drawings: Pfluegens-berg Castle, near Eisenach; bank build- ing, Frankfort. 889
507. Neumeister, A., Karlsruhe. Draw- ing: Altenstein Castle, near Liebenstein i-Th. 889
508. Neukirch, Fr., Bremen. Drawings, photos and models of cranes, pumping works, etc. Dept. G 885
509. Otzen, J., Berlin. Drawings: "Re-formation" Church, Wiesbaden; "Luther" Church, Berlin. 889
510. Rossbach, A., Leipsic. Drawing: University library, Leipsic. 889
511. Scharr, Georg F., Altona. Plans of the gas works at Harburg. Dept. G 889
512. Schaefer, E., & Hartung, H., Charlot-tenburg. Designs for a Catholic church at Duesseldorf, college at Wannsee and suburban residence of Berlin. 889
513. Schmidt, A., Munich. Drawings: Paechl castle on Lake Ammer; new syna- gogue and Protestant church, Munich. 889
514. Schmidt, F. H., Altona. Drawings and models of iron sheet piling and harbor construction work. Dept. G 881
515. Poppe, J. G., Bremen. Drawing: Enlargement of the City hall in Bremen. 889
516. Pruska, Anton, Munich. Pillars. 889
517. Rabitz, C., Berlin. Pavilions of the German viticultural exhibit. Dept. B 889
518. Reichsamt des Inneren, Berlin. Models: Imperial Patent office; Parlia- ment building; Insurance office of the empire. 889
519. Riedinger, Aug., & Co., Augsburg. Drawings and diagrams of the pneumatic plant at Offenbach-on-the-Main. Dept. G 884
520. Schmitz, Franz, Strassburg. Draw- ing: Renovation of the Strassburg "Muen-ster." 889
521. Schreiterer & Schreiber, Cologne. Drawing: City hall vault in Halle. 886
522. Schulze, Fr., Berlin. Model of the buildings of the Prussian Diet in Berlin. 889
523. Schwarz, G., Hildesheim. Drawing: Renovation of the City hall in Hildesheim. 889
524. Seeling, Heindrich, Berlin. Designs: Theatre (Stockholm), university library (Leipsic), mineral drinking hall (Wies- baden). 889
525. Senat, Bremen. Drawings: Improve- ments on the lower Weser, free port of Bremen; harbor plant in Brementhaven. Dept. G 881
526. Solf, Berlin. Drawing: Country- house near Berlin. 889
527. Thiede, Aug., Berlin. Design of a Museum for Classic Art. 889
528. Thost, Otto, Zwickau. Model of a steam boiler with smoke consumer. Dept. G 884
529. Tueshaus & von Abbema, Duessel- dorf. Drawing: Drachenburg castle, near Koenigswinter. 889
530. Von Weltzien, V. Wagner, H. und Marx Erwin, Darmstadt. Drawings: Buildings of the Technical High School, Darmstadt. 889
531. Von Holst, M., Berlin. Drawing: Residence of Von Holst in Neubabelsberg. 889
532. Walther, C., Nuremberg. Drawing: Tucher's brewery, Berlin; facade "Ru- dolstad," Rudolstadt. 889
533. Warth, Eggert, Issleiber, Salomon, Jacobsthal, Brion, Strassburg. Drawings: Renovations for the University at Strass- burg (Alsace). 889
534. Welb, Frankfort-on-the-Main. De- sign for the Frankfort bank. 889
535. Zutze, Prof. Otto, Aachen. Draw- ings and photos of various plants. 885

GROUP 153.

536. German Imperial Postoffice, Berlin. Models of postoffice buildings and in- terior arrangement of a postoffice and telegraph bureau, mail cars and the pneu- matic system; German post stamp col- lection, telephone apparatus, etc. 893
537. Jeserich, Dr. Paul, Berlin. Photo- graphs for the investigation of criminal cases. 894

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538. Kaufmaennischer und Gewerblicher Huelfsverein fuer Weibliche Angestellte, Berlin. Pamphlet, industrial and educa- tional. 918
539. Reichs-Versicherungsamt, Berlin. Synopsis of the statute relative to the in- surance of workmen. Dept. F 918

GROUP 157.

540. Abesser & Kroeger, Berlin. Syna- gogue in Glogan. 919
541. Behr, Heinrich, Leipsic. Reliefs rep- resenting religious subjects; altars. 919
542. Charitable Association in Germany. Pamphlet relative to charity in Germany. 925
543. Ehui, Geo., Stuttgart. Two lapis- lazuli pillars and holy water font. 919

GERMANY.

544. Hase, C. W., Hanover. Drawing: Church at "Georgs, Marienhaette." 919
545. Hahl, Christoph, Hanover. Drawings of cathedrals of Bremen. 919
546. Levy, L., Karlsruhe. Drawing: Synagogue in Kaiserslautern. 919
547. Meckel, Frankfort-on-the-Main. Drawing: Pilgrim church at St. Rochus in Bingen. 919
548. Mengelberg, Wilhelm, Cologne. Model of northern portal of the cathedral at Cologne. 919
549. Pfeilstuecker, Fr., Berlin. Illustrated Bible. 922
550. Salzmann, Bremen. Drawing: Reconstruction of the cathedral at Bremen. 919
551. Schmidt, H. Freiherr von, Munich. Drawings: Churches in Darmstadt and Oppenheim City hall in Passau. 919
552. Schwechten, Franz, Berlin. Model of the Emperor Wilhelm Memorial church, Berlin. 919
553. Striegler, Ph., Frankfort-on-the-Main. Drawing: Catholic Parish church, Mainz. 919
554. Thiersch, A., Munich. Drawing: Catholic Parish church, Schwabing, near Munich. 919
555. Thun, Josef, Kevelar-Rhine province. Prayer-books in all languages. 922
556. Tornow, P., Metz. Drawing: Reconstruction of the cathedral at Metz. 919
557. Von Cansteinsche Bibelanstalt, Halle a-S. Bibles. 922
558. Weinzierl Franz Xaver, Munich. Missals, prayer-books. 922
559. Werner, Frz. P., Munich. Church ornament *a* 919
560. Winkler, C., Colmar. Drawing: Renovation of St. Theobaldus church, Tham (Alsace). 919
- GROUP 158.**
561. Arati & Co., Berlin. Mechanical music works. 927
562. Arnold, Wilh., Aschaffenburg. Zithers. 928
563. Belaieff, M. P., Leipsic. Music. 926
564. Bochumer Verein fuer Berzbau und Gusstahlfabrikation, Bochum. Chimes of cast steel. 927
565. Brachhausen & Riessner, Leipsic-Eutritzsch. "Polyphone" musical works, automatic music boxes. 927
566. Breitkopf & Haertel, Leipsic. Musical works. 926
567. Cocchi, Brazzilupo & Grafigna, Berlin. Grinding organs, salon-orchestration. 935
568. Dietrich, Wilh., Leipsic. Music. 926
569. Ellersieck, Alf., Rostock. Strings. 936
570. Fabrik Lochmann's cher Musikwerke, Aktiengesellschaft, Leipsic-Gohlis. Musical works. 926
571. Fuchs, Joh. Wolfz, Nuremberg. Strings for instruments. 936
572. Grotrium, Hallferich, Schulz, The Steinweg Nachf, Brunswick. Pianos. 930
573. Hauschulz, Julius, Berlin. Piano. 930
574. Haslevanter, Joh., Munich. Guitars, zither, etc. 928
575. Heilbrunn, W., Soehne, Berlin. Drums and tambourines. 927
576. Heinrichshofen's Verlag, Magdeburg. Music. 926
577. Hohner, Mathias, Trossingen-Wurt. Mouth harmonicas. 935
578. Hupfeld, Ludw., Leipsic, Eusritzsch. *a* Mechanical cymbal. 927
b Mechanical piano, apparatus for piano playing. 930
579. Imhof & Muele, Woehrenbach. Mouth harmonicas. 935
580. Kistner, Fr., Leipsic. Music. 926
581. Koch, Andreas, Trossingen, Wurt. Mouth harmonicas. 935
582. Koerner, Guenther, Gera. Accordions. 935
583. Kruspe, L., Jnh. F. W. Kruspe, Erfurt. *a* Flutes. 931
b Clarionets, oboes, etc. 932
584. Lange, F., vorm. C. F. Uhlig, Chemnitz. Concertinas, bandonions. 935
585. Litollfe, Henry, Verlag, Brunswick. Music. 926
586. Lochmann, E. G. & Co., Leipsic, Gohlis. Accordions with chimes. 935
587. Loewenthal, L., Berlin. Cellos, violas, violins, etc. 929
588. Maier, Aloys, Fulda. Music. 926
589. Meier, Franz, Freiburg i-Baden. International postal card containing the music for several works. 926
590. Mestner, Christian & Co., Trossing, Wurt. Mouth harmonicas. 935
591. Mollenhauer, T. & Soehne, Jnh. Th., Mollenhauer, Fulda. *a* Flutes. 931
b Clarinet, etc. 932
592. Neumann, F. L., Hamburg. Pianos. 930
593. Neupert, F. L., Bamberg. Pianinos. 930
594. Oertel, Louis, Hanover. Music. 926
595. Otto Louis, Duesseldorf. Quartet of string instruments. 929
596. Peters, C. F., Leipsic. Music. 926
597. Poehlmann, Moritz, Nuremberg. Cast steel cords for pianos. 930
598. Rachals, M. F., & Co., Hamburg. Grand pianos, pianinos. 930
599. Rather, D., Leipsic. Music. 926
600. Reine & Co., Stettin. Concert piano. 930
601. Rittershausen, Emil, Berlin. Flutes. 931
602. Roenisch, Carl, Dresden. Piano and grand pianos. 930
603. Rohlfing, Gebr., Osnabrueck. Two pianos. 930
604. Scheel, Carl, Cassel. Pianos. 930
605. Schmidt, Arthur P., Leipsic. Music. 926
606. Schmidt, C. F., Heilbronn. Music. 926
607. Schuetzhold & Werner, Leipsic. Musical works. 926
608. Schulze, Carl, Berlin. Two string quartette, one mandolin quartette, etc. 929
609. Schuberth, Fritz, jun., Leipsic. Music. 926
610. Schwechten, G., Berlin. Piano and grand piano. 930

DEPARTMENT L.—LIBERAL ARTS.

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| 611. Seiler, Ed., Liegnitz. Piano and grand piano. 930 | 616. Thunhart, Jos., Jnh. der Firma Xaver Thunhart, Munich. Zither and mandolins. 928 |
| 612. Sichelka, C. B., Hamburg. Accordions. 935 | 617. Thuermer, Ferd., Meissen. Piano. 930 |
| 613. Spindler, Geo., Sonneberg. Masks. 938 | 618. Tiefenbrunner, Georg, Munich. Stringed instruments. 928 |
| 614. Stahl und Drahtwerk Roeslau, Ficht Gebieze. Piano chords, and wire textures for the back. 930 | 619. Weiss, Ch., Trossing-Wurt. Mouth harmonicas. 935 |
| 615. Stelzner, Dr. Alfred, Dresden. Violins, violas, violoncellos, etc. 929 | 620. Welte, M., & Soehne, Freiburg i-Baden. Orchestrians. 935 |

GREAT BRITAIN.

GROUP 147.

1. Amines Syndicaté, Ltd., London. Model illustrating system of treating and disposal of sewage, also samples of disinfectant. 829
2. Commissioners of Sewers of the City of London. Maps, plans, etc., showing method of street cleaning, etc.; models showing construction of subways under Holborn viaduct. 829
3. Cremation Society of England, London. Views of crematorium at Woking. 829
4. Ewing, Robert, London. Stoneware sewers and drains. 829
5. Golf Company, St. Andrews, Scotland. Golf clubs and balls. 825
6. International Water & Sewage Purification Co., Ltd., London. Plans and models of filtering apparatus for public water supplies. 829

GROUP 148.

7. Ash, Claudius, & Sons, Ltd., London. Instruments and apparatus of dental surgery. 839
8. Cruickshank, Arthur B., London. Syringes. 837
9. Dental Manufacturing Company, Ltd., New Barnet. Dental apparatus. 839
10. Fournet, A., London. Ophthalmic refractometer. 836
11. Keen, Robinson & Belleville, London. Groats and barley for invalids. Dept. A 835

GROUP 149.

12. Bacon, G. W., & Co., Ltd., London. School maps, atlases, drawing charts, etc. 842
13. British Government, Science & Art Department, London. Examples of Drawing, painting, modeling and design executed by art students in the National Art Training Schools, South Kensington, London, and in other schools of art in the United Kingdom. 846
14. Choat, Frank, Sandringham. Chased copper tray. 847
15. Cunningham, D. J., Dublin. Models showing topographical relations of the brain in man and the apes. 852
16. Johnston, Ruddiman, & Co., Ltd., London. School maps and illustrations. 842

17. Oxford University Extension, Oxford. Books, papers, photographs and drawings, illustrative of the history and method of the University extension system. 851
18. School Board for London, London. Specimens of work done by pupils in the schools, and of school materials and appliances, models, plans and elevations, regulations and reports. 850
19. Whitechapel Craft School, London. Drawings and models illustrating course of manual instruction for teachers and scholars. 847

GROUP 150.

20. Art Union of London, London. Works of art open to selection by subscribers. 854
21. Biggs, F. J., London. Prices current. 860
22. British Art Publishers' Union, Ltd., London. Etchings, engravings and photo-gravures. 854
23. Bushill, T. W., Brantwood. Book on the labor question. 854
24. Clifford, C. E. & Co., London. Engravings, etchings and mezzotints. 854
25. Culleton, Leo., London. Genealogical table showing the English system of heraldry. 854
26. Decorative Art Journals Co., Ltd., Manchester. "Journal of Decorative Art" and technical publications, sketches and studies. 856
27. Engineering, Ltd., London. Set of 54 volumes, framed engravings and album of the Columbian Exposition. 854
28. Engineer, London. Engravings and drawings of ships, locomotives, etc. 854
29. Fine Art Society, London. Reproductions of pictures in mezzotint, etching and photo-engraving. 854
30. Hadfield, R. A., Sheffield. Book on the labor question. 854
31. Hare & Co., Ltd, London. Color-printing, photomechanical blocks in half tone, wood engravings and drawings. 854
32. Harrison & Son, London. Books. 854
33. Johnston, W. & A. K., Edinburgh. Wall maps, atlases, globes, etc. 864
34. Leng, John, & Co., Dundee. Books. 854
35. London Color Printing Company, London. Specimens of color printing and of the "Million" newspaper. 854

GREAT BRITAIN.

36. Over, George E., Rugby. Printed books. 854
37. Schloss, David F., London. Books. 854
38. Sell, Henry, London. Collection of newspapers. 854
39. Smith, C. & Son, London. Maps and globes. 864
40. Tooth, Arthur & Sons, London. Engravings and etchings. 854
41. Tripplin, J., London. Books on horology. 854
42. Tuck, Raphael, & Sons, London. Studies, illustrated books, engravings, etc. 854
43. Virtue, J. S. & Co., Ltd., London. Etchings, engravings and photogravures from "Art Journal." 854
44. Waterlow & Sons, Ltd., London. Specimens of printing from steel and copper plates. 854
45. Zahnsdorf, Joseph, London. Book-binding. 854

GROUP 151.

46. Baker, A. P., Manchester. Photographs of the Royal Jubilee Exhibition, Manchester, 1887, Paris Exhibition 1889, and Jamaica Exhibition, 1891. 871
47. Beck, R. & J., London.
a Photographic apparatus. 871
b Microscopical optical apparatus. 874
48. Billington, H. & Co., Augatella, Queensland. Photographs of Queensland sheep and cattle stations. 871
49. Brown Bros., Bristol. Level and gradient indicator. 868
50. Bryer, J. & Son, London.
a Binnacle and compasses, binocular glasses and sextants. Dept. G 867
b Barometers. 872
c Chronometers. 873
51. Byrne, W. J., Richmond. Photographic portraits. 871
52. Cameron & Smith, London. Photographs of Lord Tennyson and his friends. 871
53. Common, A. A., London. Parabolic mirror in cell for Newtonian telescope. 866
54. Darton, F. & Co., London. Meteorological instruments. 872
55. Dore, J., Sandown. Photographic lantern transparencies. 871
56. Downer, Fredk., Watford. Photographs. 871
57. Flather, Henry, London. Carbon enlargements and direct photographs. 871
58. Godbold, Henry J., Hastings. Photographs. 871
59. Goldsmiths' & Silversmiths' Co., London. Ship's chronometers. 873
60. Grubb, Howard, Dublin. Model of first-class astronomical observatory; small equatorial instrument; views of standard instruments. 866
61. Lafayette, J., Dublin. Photographs printed in platinum and carbon. 871
62. Lawrence, William, Dublin. Photographic views of scenery and antiquities of Ireland. 871
63. Lemere, Bedford, & Co., London. Architectural photographs of modern English mansions. 871
64. Mendelssohn, H. S., London. Portraits. 871
65. Oeffelein & Co., London. Burnt-in photographs on glass, china and enamel. 871
66. Rein, F. G., & Son, London. Acoustic and scientific instruments. 876
67. Riley Bros., Bradford. Optical lanterns and accessories. 874
68. Roche, Charlotte, London. Photographs. 871
69. Ross & Co., London.
a Photographic lenses, cameras and apparatus. 871
b Naval and sporting telescopes, field and opera glasses, microscopes and apparatus. 874
70. Royal British Commission. Loan collection of photographs. 871
71. Sawyer, Lyddell, Newcastle-on-Tyne. Photographs. 871
72. Symonds & Co., Portsmouth. Photographs of ships of the British navy and yacht racing scenes. 871
73. Van der Weyde, Henry, London. Portraits taken by electric light, and refracting instrument. 871
74. Walery, Ltd., London. Photographic work. 871
75. Warneuke, W. M., Glasgow. Photographs. 871
76. Watson, W., & Sons, London.
a Mathematical instruments. 865
b Astronomical and terrestrial telescopes. 866
c Surveying and engineering instruments. 867
d Photographic lenses and cameras. 871
e Barometers and thermometers. 872
f Microscopes and microscopical apparatus and accessories. 875
77. Werner, Alfred, & Son, Dublin. Photographic portraits. 871
78. Wilkinson, Henry D., Cardiff. Instrument to indicate the action of valves in steam and other engines. 865
79. Williams, W. Clement, Yorkshire. Photographs. 871
80. Window & Grove, London. Photographs. 871
81. Winter, W. W., Derby. Photograph studies. 871
82. York & Son, London. Photographic optical lantern-slides. 871

GROUP 152.

83. Allin, Samuel S., London. Pneumatic door closer. 889
84. British Government, Geological Survey of the United Kingdom, London. Maps of Isle of Wright, environs of London, part of North Wales, part of the Yorkshire coal-fields, North of Ireland and South of Scotland. Index maps of neighborhood of London and lower part of Thames basin, and part of Wales. General memoirs on the geology and paleontology of Great Britain. 877

DEPARTMENT L.—LIBERAL ARTS.

85. British Government, Ordnance Survey of Great Britain and Ireland, Southampton. Outline and hill maps of parts of Scotland and Ireland; other maps and plans. 877
86. Cheesewright, Frederick H., London. Model of system of pier and break-water construction. 881
87. Culpin, Arthur, Worcester. Reversible and removable window sashes. 889
88. Ebner, Joseph F., London. System of attaching parquet flooring to a concrete foundation. 889
89. Etefas Window Co., London. Sliding windows. 889
90. Sim, John, Montrose. Windows. 889
91. Trinity College, University of Dublin. Model of shield used in constructing the Thames tunnel. Dept. G 881

GROUP 153.

92. British North Borneo Co., London. Stamps and postcards. 893
93. Bureau of Charities, Correction and Philanthropy. Charts, samples of work, official statistics, reports, literature, etc. 894
94. Gibbons, Stanley, Ltd., London. Stamps, stamp-albums, etc. 893
95. Hinton, Thomas H., London. Postage stamps, envelopes and cards issued in the British empire from 1840 to 1893. 893
96. Perkins, Bacon & Co., Ltd., London. Specimens of postage stamps. 893

GROUP 154.

97. British North Borneo Co., London.
a Map and handbook of British North Borneo. 895
b Coins. 897
98. Drew & Cadman, London. Show cases, counters and window fittings. 898
99. Perkins, Bacon & Co., Ltd., London. Specimens of bank notes. 897

GROUP 155.

100. Hakluyt Society, London. Publications from 1848 to 1892. 908
101. Marine Biological Ass'n of the United Kingdom, London. Treatise on the common sole; view of the laboratory and account of the association. 908
102. Royal Geographical Society, London. Publications illustrating the advancement of geographical science; a map showing English discovery in North America. 907
103. Royal Microscopical Society, London. Photo-micrographs. 908
104. Vegetarian Federal Union, London. Publications, diagrams and specimens. 908

GROUP 156.

105. Bradford Coffee Tavern Co., Ltd., Bradford. Views of the principal establishment, and account of the work. 918

GROUP 157.

106. Religious Tract Society, London. Books, periodicals and Scripture cartoons. 919
107. Sunday School Union, London. Sunday-school teachers' text-books and requisites. 923

GROUP 158.

108. Augener & Co., London. Printed music books, portraits of great composers, etc. 926
109. Besson, F. & Co., London. Wind instruments and system of manufacture. 931-935
110. Bishop, E. & Sons, London. Upright pianofortes. 930
111. Erard, S. & P., London. Models of harps; the harp presented by the Welsh people to H.R.H. the Prince of Wales, etc. 930
112. Higham, Joseph, Manchester. Musical instruments.
113. Rudall, Carte & Co., London. Military and orchestral instruments.

ITALY.

GROUP 147.

1. Di Giovanni, Eng. Ferdinando, Naples. Closet apparatus. 829
2. Magnani, Gustavo, Mirandola. Sulphurizing and purifying machines. 829

GROUP 148.

3. Bergamini, Enrico, Bologna. Surgical instruments. 837
4. Brunetti, Prof. Lodovico, Padua. Anatomical appliances. 838
5. Pozzi, Dr. Muzio, Bologna. Obstetrical instrument. 838

GROUP 149.

6. Benedetti, Giovanni, Udine. Drawing tables. 846
7. Humbert First Public School, Naples. Album of drawings. 846
8. Testi, Prof. Laudedeo, Lodi. Work on drawing. 846

9. Tonso, Giovanni, Turin. Work on penmanship. 842
10. Trevisani, Prof. Romolo, Rimini. Work on drawing. 846

GROUP 150.

11. Abisso, Gioacchino, Vicenza. Mechanical works. 854
12. Arnandon, G. Giacomo, Turin. Work on museum designs. 854
13. Bianchi-Maldotti, Eng. Enrico, Parma. Hydraulic manual. 854
14. Borgna de Rossi, Giulio, Turin. School manual. 855
15. Borgna, Prof. Giuseppe, Turin. Work on education. 854
16. Brogi, Cav. Sigismondo, Siena. Scientific works. 854
17. Bullo, Dr. G., Venice. Atlas. 855
18. Cassa, Risparmio, Rimini. Banking laws. 854

DEPARTMENT L.—LIBERAL ARTS.

GROUP 158.

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| 92. Abbate, Alfonso F., Naples. Musical instruments. 928 | 106. Di Napoli, Cav. Giovanni, Palermo. Musical compositions. 926 |
| 93. Battista, Luca, Maori. Musical score. 926 | 107. Gamberini, Bernardo, Bologna. Music. 926 |
| 94. Bella Eredi Company, Verona. Harmonic strings. 936 | 108. Giorgi, Carlo Tommaso, Florence. Musical instruments. 928 |
| 95. Bertinelli, Alessandro, Rome. Musical instruments. 928 | 109. Gorga Bros., Rome, Italy. Stringed musical instruments. 928 |
| 96. Buonamici, Ferdinando, Naples. Musical scores. 926 | 110. Kisslinger, Cav. A. C., Naples. Stringed musical instrument. 928 |
| 97. Brancaccio, Marquis, Giuseppe, Naples. Violin. 929 | 111. Koriska-Jamnichen, Milan. Mandolins. 928 |
| 98. Calace, Nicola Raffaele, Naples. Mandolins. 928 | 112. Lo Galbo, Provvidenza, Salerno. Musical works. 926 |
| 99. Carraba, C. V., Catania. Musical instruments. 928 | 113. Marradi-Benti, Pistoja. Cymbals. 927 |
| 100. Colombo, Federico, Turin. Piano fortes. 930 | 114. Mancuso, Piazza Giuseppe, Castrogiovanni. Music. 926 |
| 101. Cozzi, Ersilio, Crespino. Musical instruments. 928 | 115. Mendozza, Gennaro, Naples. Mandolins. 928 |
| 102. Degani, Eugenio, Venice. Violins. 929 | 116. Petillo, Giovanni, Naples. Music. 926 |
| 103. Del Nero, Angelo, Rome. Musical manuscripts. 926 | 117. Rocca, Enrico, Genoa. Musical instruments. 928 |
| 104. Di Giorgio, Salvatore & Giuseppe, Termini Imerese. Stringed musical instruments. 928 | 118. Ruggiero, Cesare, Naples. Musical instruments. 928 |
| 105. Di Leo, Cammillo, Palermo. Mandolin. 928 | 119. Sgarbi, Antonio, Rome. Musical instruments. 928 |
| | 120. Toscano, Marotta Angelo, Aidone. Musical instruments. 928 |

JAMAICA.

GROUP 148.

1. Batson, S., Mandeville. Sarsaparilla. 834
2. Ormsby, J., Cave Valley. Stramonium seeds. 834
3. Silvera, A. P., Crescent, Oracabessa. Kola powder and nuts. 834
4. Taylor, G. G., Hagley Gap. Cinchona roots. 834

GROUP 149.

5. Alpha Cottage, Convent of Mercy, Kingston. Straw work. 843
6. Provincial Government of Nova Scotia, Halifax. Educational system. 850

GROUP 150.

7. Feurtado, W., Kingston. History and laws of Jamaica. 854
8. Government Printing Office, Kingston. Law books and maps of Jamaica. 863

9. Hart, A. J., Senior, St. Ann's Bay. Very old Hebrew bible. 854
10. Registrar General's Department, Spanish Town. Vital statistics of Jamaica, census report, 1891. 863

GROUP 151.

11. Duperly & Co., Kingston. Views of Jamaica. 871
12. Gardner, A. W., & Co., Kingston. Photographs of Jamaica scenery. 871
13. Johnston, Rev., Brown's Town. Views of Central Africa. 871
14. Sanguinetti, E. H., Kingston. Views of Jamaica International Exhibition, 1891. 871

GROUP 154.

15. De Souza, Mortimer C., Kingston. Commercial almanacs. 895

GROUP 160.

16. Douet, Geo. A., Four Paths. Carib implements. 943

JAPAN.

GROUP 147.

1. Interior Department, Public Sanitary Bureau. Photographs and description of disinfectors. 833
2. Seibei Yuga, Osaka. Model of Ten-noji Temple tower. 827

GROUP 148.

3. Asajiro Narita, Tokyo. Surgical instruments. 837
4. Fuchi Segewa, Tokyo. Instruments for physical diagnosis. 836
5. Ichizaemon Matsumoto, Tokyo.
 - a Instruments for physical diagnosis. 836
 - b Surgical instruments. 837
6. Kotaro Sasaki, Tokyo. Artificial teeth. 839
7. Kuhei Mangi, Tokyo. Surgical Instruments. 837
8. Kyoto Itomono Company, Kyoto. Twist for surgical purposes. 837
9. Matsunosuke Shirai, Osaka. Medical balances. 837
10. Shigetaro Baba, Aichi. Pharmaceutical articles. 837
11. Shigetaro Baba, Aichi. Optical Instruments. 837
12. Tadazo Wakabayashi, Tokyo. Bureau for dental instruments. 839
13. War Department. Medical Bureau.
 - a Appliances for carrying the wounded. 840
 - b Surgical instruments, etc. 837
14. Yakichi Horiguchi, Tokyo. Instrument for dental surgery. 839
15. Yoshitsura Okochi, Tokyo. Ice bags. 834

GROUP 149.

16. Educational Department. Educational reports, text books and diagrams of school buildings. 853
17. Educational Department. Agricultural School. Pictures, farm products, books, drawings, records and descriptions. 851
18. Educational Department. College of Agriculture, Imperial University. Specimens of fruit, photographs, reports and statistics. 852
19. Educational Department. College of Engineering, Imperial University. Model of building, essays and drawings. 851
20. Educational Department. Commercial School. School appliances, pictures, records, rules, regulations and statistics. 852
21. Educational Department. Common Middle School. School apparatus, drawings, photographs, paintings, records, etc. 842
22. Educational Department. Common Normal School. School apparatus, needle work, drawings, paintings, photographs, records, etc. 852

23. Educational Department. Educational Society of Japan. Rules and regulations. 853
24. Educational Department. Elementary School. Photographs, school apparatus, paintings, records, drawings, needle work, etc. 841
25. Educational Department. Girls' Normal School. School appliances, needle work, pictures, records and statistics, photographs and drawings. 851
26. Educational Department. Girls' Higher School. Records, rules, needle work, drawings, school appliances, photographs, paintings and essays. 851
27. Educational Department. Girls' School. Hand made articles, needle work, pictures and photographs. 850
28. Educational Department. Higher Commercial School. Counting book, etc. 852
29. Educational Department. Higher Middle School. Records and statistics, photographs, paintings and specimens. 851
30. Educational Department. Higher Normal School. Hand made articles and pictures. 851
31. Educational Department. Kindergarten. Records and statistics. 841
32. Educational Department. Tokyo Art School. Paintings, carvings, art goods and designs. 852
33. Educational Department. Tokyo Blind and Mute School. Pictures, carvings, needle work, school appliances, photographs and records. 849
34. Educational Department. Tokyo Technological School. Exhibits of the dyeing and weaving, pottery and glass, applied chemistry and mechanical industry departments, drawings and paintings. 852
35. Educational Section of Tokyo Machinery Company, Tokyo. School specimens. 845
36. Kanzaburo Shimidzu, Tokyo. Chemical chinaware. 845
37. Kisai Takayama, Tokyo. Organization and report of Takayama Dental School. 852
38. Norimichi Okabe, Osaka. Writing slate. 846

GROUP 150.

39. Hakodate Manufacturing & Trading Company, Hokkaido. Trade statistics and price list. 860
40. Hakodate Trading & Manufacturing Association, Hokkaido.
 - a Directory of cities and towns. 862
 - b Maps. 864
41. Interior Department—Central Meteorological Office. Meteorological history, descriptions, reports, etc., map and diagram showing location of weather stations, storm bulletins and light houses, diagram show-

DEPARTMENT L.—LIBERAL ARTS.

- ing storms, indications on thermometer and barometer, quantity of rain; earthquakes, etc. 864
42. Interior Department—General Affair Bureau. Tables of Japanese population and copyrights. 863
43. Jihei Tanaka, Kyoto. Pictorial arts and designs. 854
44. Kenzaburo Azuma, Tokyo.
a Art magazines. 854
b Geological maps. 864
45. Kokkwasha, Tokyo. Art magazines. 854
46. Kosuke Sakata, Hyogo. Notes on the abacus and abacuses. 854
47. Kininosuke Soma, Tokyo. Book on ivory carving. 854
48. Magobei Fujii, Kyoto. Pictorial art books. 854
49. Magobei Okura, Tokyo. Books. 854
50. Tokutaro Kimura, Tokyo. Book. 854
51. Tokutaro Wada, Tokyo. Books. 854
52. War Department. Surveying Office. Maps. 864

GROUP 151.

53. Commercial and Manufacturing Bureau, Japan. Testing machines of weights and measures. 865
54. Educational Department.—College of Science, Imperial University. Seismological instruments and photographs. 866
55. Gonjiro Yamamoto, Aichi. Abacus. 865
56. Hikoma Ueno, Nagasaki. Photographs. 871
57. Kazunao Ogawa, Tokyo. Photographs. 871
58. Makoto Endo, Miyagi. Photographs. 871
59. Rihachi Fukada, Tochigi. Photographs. 871
60. Rihei Tomishige, Kumamoto. Photographs. 871
61. Ryonosuke Honjyo, Hyogo. Abacuses. 866
62. Sauta Ichida, Hyogo. Photographs. 871
63. Shinichi Setsu, Nagasaki. Photographs. 871
64. Sinsuke Mihara, Tokyo. Magic lantern slides. 871
65. Takeyasu Kiyokawa, Nagasaki. Photographs. 871
66. Tamekichi Ito, Tokyo. Rulers. 865
67. Tamekichi Kamiya, Shiga. Sun dial. 873
68. Tomozo Watanabe, Tokyo. Photographic accessories. 871
69. Yasuo Egi, Tokyo. Photographs. 871
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71. Interior Department.—Public Engineering Bureau. Models and diagrams. 877

72. Kiesuke Niwa, Kyoto. Model of Kyoto Yasaka tower. 889
73. Kobe Wharf Construction Company, Hyogo. Plan of wharf construction. 889
74. Shiotaro Kodama, Aichi. Architectural designs. 889
75. Tamekichi Ito, Tokyo. House models. 889
76. War Department.—Military Affair Bureau. Photographs of guns and arsenal. 886

GROUP 153.

77. Bureau of Peers of Imperial Diet. Method of short-hand reporting. 890

GROUP 154.

78. Department of Communication. Postal system and appliances of the postal service; mail bags, pouches, postal marks, stamps, etc.; maps and tables showing light houses, lines of navigation, etc.; maps, diagrams, tables, etc., of telegraph routes, stations and apparatus; photo of telephone office and brief history of the department. 893
79. Interior Department.—Bureau of Police. Diagram of Tokyo reformatory building, records of prisons. 894

GROUP 155.

80. Commercial and Manufacturing Bureau.
a Statistics of trade and commerce of Japan and guide book. 895
b Boards of commerce and their functions illustrated. 900
81. Kyoto Board of Trade, Kyoto. Organization of Board of Trade with illustrations. 900
82. Treasury Department—Mint Bureau. Coins and medals. 897
83. Zenemon Konike, Osaka. Rules and statistics of life insurance companies. 902

GROUP 156.

84. Educational Department—Educational Museum. Models and specimens, toys, pictures and magic lantern accessories. 909

GROUP 158.

85. Dembei Nakagaki, Osaka. Musical instruments. 929
86. Educational Department. Tokyo Musical School. Musical instruments, pictures, descriptions, books, etc. 926
87. Gembei Sakata, Osaka. Drums. 927
88. Jisaburo Fujita, Osaka. Musical Instruments. 936
89. Masakichi Suzuki, Aichi. Violin. 929
90. Shinsuke Sasatani, Osaka. Musical instruments. 936
91. Tsunesaburo Ena, Osaka. Trumpets. 933

NORWAY.

GROUP 147.

1. Bentzen, S., Bergen. Filter.
Dept. H 829

GROUP 148.

2. Eckell, W. F. W., Christiania. Malt extract, emulsion of cod liver oil.
Dept. H 834
3. Stormer, F., Christiania. Inhalers.
Dept. H 837
4. Tidemand's Orthopædical Institute, Christiania. Photos of prosthesis.
Dept. H 838

GROUP 149.

5. Brun's, A., Boghandel, Trondhjem. Zoological drawings for school use, with plans and notes.
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6. Johannesen, Amalia, Christiania. Books on sewing and dressmaking.
Dept. H 843
7. Malling's, P. T., Boghandel, Christiania. Collection of school material for instruction.
Dept. H 842
8. Pedusen, Gustav, Meaux, France. Text book on watchmaking.
Dept. H 847
9. Rosing, Marie, Christiania. Books on dressmaking and needle work.
Dept. H 843
10. Thommesen, Tarje, Christiania. Drawings, and desk for deaf mutes.
Dept. H 849

GROUP 150.

11. Cammermeyer's, Forlag, Alb, Christiania.
Dept. H
- a* Publications. 854
- b* Maps. 864
12. Central Bureau of Statistics, Christiania. Collection of publications on Norwegian statistics.
Dept. H 863
13. Dybwad, Jacob, Christiania.
a Road map of Norway. Dept. H 864
- b* School books. 855
- c* Books, sample of binding, etc. 854
14. Folkebladets Aktiebolag, Christiania. Books.
Dept. H 854

15. Krag, Commissioner of highways, Christiania. Geographical maps.
Dept. H 854

16. Malling's, P. T., Boghandel, Christiania. Books.
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17. Meteorological Institute, Christiania. Reports and charts of arctic expeditions.
Dept. H 864

18. Refsum, Hans Matheus, Christiania. Bookbinders' work.
Dept. H 854

GROUP 151.

19. Bennett's Tourist Office, Christiania. Photos of scenery, etc.
Dept. H 871
20. Greve & Nordland, Stavanger. Photographs.
Dept. H 871
21. Knudsen, K., Bergen. Photographs.
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22. Michelet, Fr. Aug., Christiania. Chronometers.
Dept. H 873
23. Persen, Sostrene, Bergen. Photographs.
Dept. H 871
24. Skoien, M., Christiania. Photographs.
Dept. H 871

GROUP 152.

25. Lindgaard, Henry, Trondhjem. Maps, surveys and drawings.
Dept. H 877
26. Thams, M., & Co., Trondhjem. Plans of dwelling houses, wooden buildings for export. In Norway's pavilion. 889

GROUP 154.

27. Dietrichson, J. L. W., Molde. Statistical maps of mining and commerce.
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GROUP 158.

28. Auversen, Svienug, Telemarken. Violins.
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29. Ellefsen, Kund, Telemarken. Violin.
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30. Helland, Gunder Olsen, Telemarken. Violin.
Dept. H 929
31. Helland, Ole G., Telemarken. Violin.
Dept. H 929
32. Hovdestad, Osten Bjornsen, Telemarken. Violin.
Dept. H 929
33. Lofthnus, Bjorn, Vinje. Violin.
Dept. H 929

SWEDEN.

GROUP 147.

1. Aktiebolaget Vibrator, Stockholm. Vibrator movement cure apparatus. 825
2. Ekstrand, E. G., Stockholm. Gymnastic apparatus. 825
3. Gymnastiska Centralinstitutet, Stockholm. Gymnastic implements, photographs, drawings, etc. 825
4. Passe, Nils, Boston. Gymnastic apparatus, drawings and photographs. 825
5. Stockholms Gymnastikforening, Stockholm. Gymnastic apparatus, photographs and literature. 825
6. Stockholms Gymnastik och Faektklubb, Stockholm. Fencing materials, literature and photographs. 825

GROUP 148.

7. Engstrom, Joh., Eskilstuna. Universal dental forceps. 839

GROUP 149.

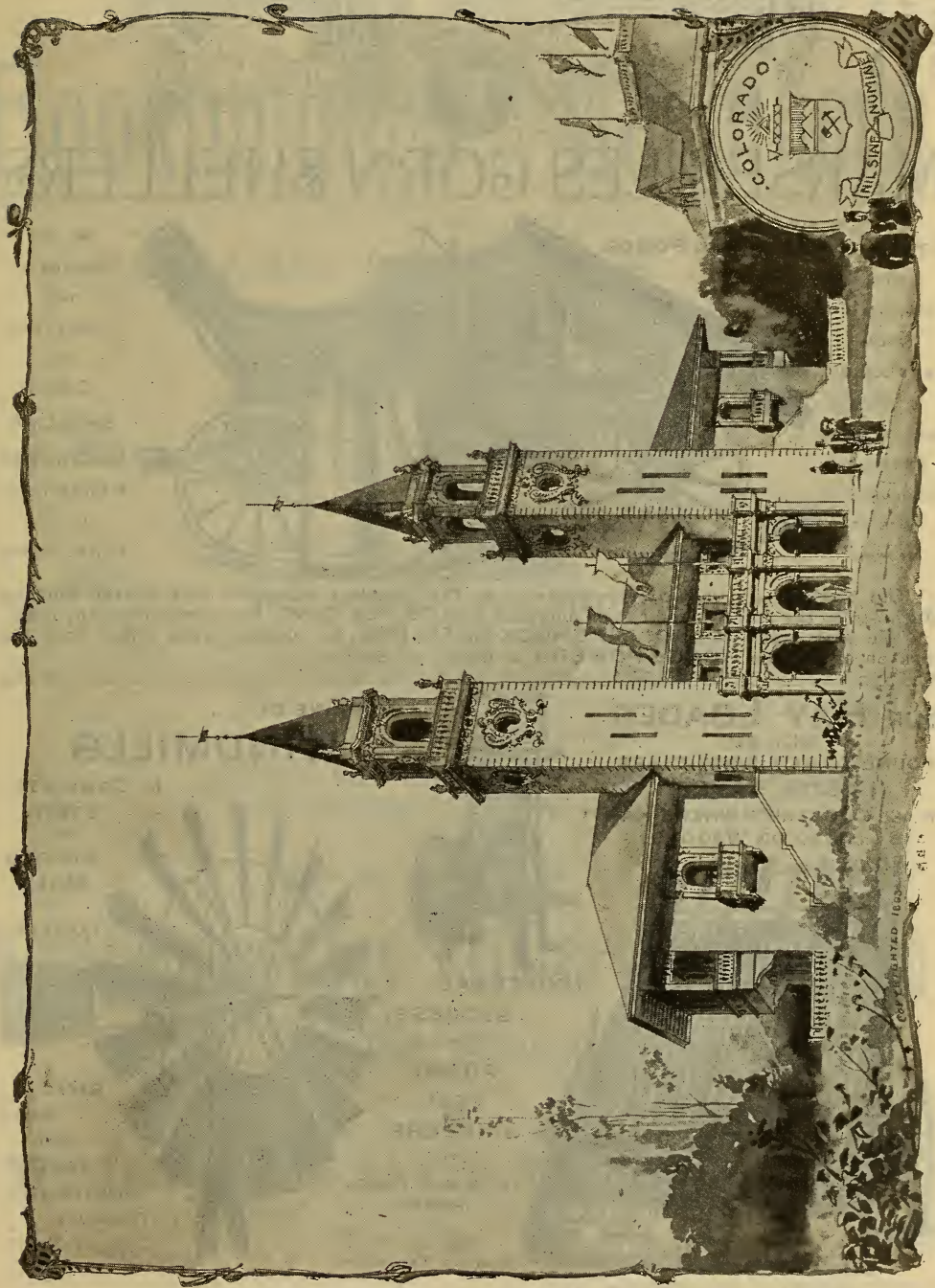
8. Alnarps Hofbeslagareskola, Akarp. Material for instruction in horse-shoeing. 847
9. Hallgren & Sundell, Stockholm. Plastic reproductions of mushrooms, for use in public schools. 850
10. Hushallningssallskapet i Blekings, Blekings. Articles of wood, bone, textiles, etc.; models of wood and sloyd work. 847

DEPARTMENT L.—LIBERAL ARTS.

- | | |
|---|--|
| 11. Lennings, John, Norrköping. Specimens of silk and gold hangings by pupils. 847 | 23. Sveriges Geologiska Undersökning, Stockholm. Geological maps and publications. 864 |
| 12. Lundin, Hulda, Stockholm. Models of system of teaching needle work in schools. 843 | GROUP 151. |
| 13. Melander, A. E., Stockholm. Kalkograph for tracing drawings and making blue-prints. 852 | 29. Ahlberg & Ohlsson, Stockholm. Surveying instruments. 867 |
| 14. Naas Slöjdlarareseminarium, Naas. Models, charts, literature, photographs, etc., of sloyd carpentry. 844 | 30. Aktiebolaget Mars, Stockholm. Range finder for military and topographical surveying. 867 |
| 15. Tekniska Skolan i Eskilstuna, Eskilstuna. Articles of steel, chased, etched and forged by pupils of the school. 847 | 31. Blomquist, C. G., Lulsa. Photographs. 871 |
| 16. Tekniska Skolan, Stockholm. Drawings, models and pupils' work in metal, wood, leather, porcelain, glass, clay, etc.; decorative painting. 847 | 32. Generalstabens Topografiska Afdelning, Stockholm. <ul style="list-style-type: none"> a Astronomic instruments. 866 b Geodetic instruments. 867 |
| GROUP 150. | 33. Hadar Hallströms Kniffabriks Aktiebolag, Eskilstuna. Mathematical instruments. 867 |
| 17. Beijers, F. G., Bokforlagsaktiebolag, Stockholm. <ul style="list-style-type: none"> a Books and prints. 854 b Maps. 864 | 34. Jonason, A., Göthenburg. Photographs. 871 |
| 18. Bonnier, Albert, Stockholm. Books and prints. 854 | 35. Linderöth, G. W., Stockholm. Chronometers. 873 |
| 19. Dahlman, C. E. Stockholm. Atlas of Sweden. 864 | 36. Olsson, A., Ostersund. Photographs. 871 |
| 20. Fahlcrantz & Co., Stockholm. Books. 854 | 37. Olsson, O., Ostersund. Photographs. 871 |
| 21. Fritzes, C. E., Stockholm. Books. 854 | 38. Sammland, R., Stockholm. Photographs. 871 |
| 22. Generalstabens Topografiska Afdelning, Stockholm. Topographic maps, astronomic and geodetic works. 864 | 39. Sjöberg, Axel, & Co., Karlsborg. Photographs. 871 |
| 23. Horlin, Hugo, Stockholm. Industrial Art Journal. 856 | 40. Söhlberg, K. U., Strengnas. Celestial globes of glass with horizon in liquid. 866 |
| 24. Kongl. Sjökarteverket, Stockholm. Charts and coast views. 864 | 41. Wahlström & Widstrand, Stockholm. Photographs. 871 |
| 25. Mittag-Leffler, G., Stockholm. "Acta Mathematica," a scientific journal. 856 | GROUP 152. |
| 26. Norstedt, P. A., & Sons Co., Stockholm. <ul style="list-style-type: none"> a Scientific works. 854 b School books. 855 c Materials for instruction, atlas. 864 | 42. Wickman, G., Stockholm. Swedish pavilion. 889 |
| 27. Sveriges Ekonomiska Kartverk, Stockholm. Topographic maps, books, etc. 864 | GROUP 154. |
| | 43. Eskilstuna Traföreläsningsfabriks Aktiebolag, Eskilstuna. Show case. 898 |
| | GROUP 155. |
| | 44. Lindell, Per., Stockholm. Collection of autographs and portraits. 909 |
| | GROUP 158. |
| | 45. Ahlberg & Ohlsson, Stockholm. Brass musical instruments. 934 |
| | 46. Bystrom, Prof. O., Stockholm. Hymnology and music. 926 |
| | 47. Hagdahl, Joh., Karlskrona. Piano. 930 |

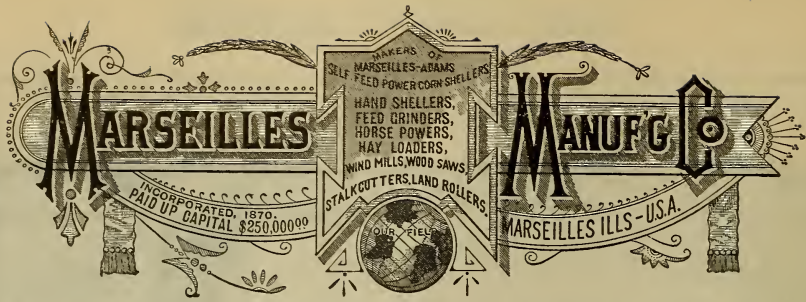
SWITZERLAND.

- | | |
|--|--|
| GROUP 150. | 5. Société pour la Construction d'Instruments de Physique, Geneva. Physical instruments. 867 |
| 1. Kronecker, Dr., Berne. Scientific exhibits. 854 | GROUP 158. |
| GROUP 151. | 6. Langdorff & Fils, Geneva. Musical boxes. 927 |
| 2. Boissonas, Fréd., Geneva. Photographs. 871 | 7. Mermod freres, Ste. Croix. Musical boxes. 927 |
| 3. Kern & Co., Aaran. Physical instruments. 867 | |
| 4. Siegrist, J. & Co., Schaffhausen. Physical instruments. 867 | |



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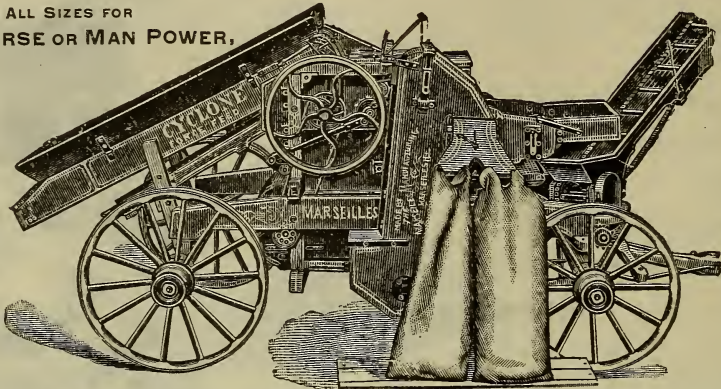
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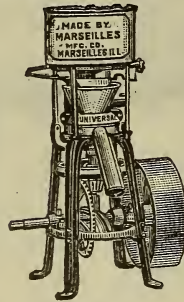
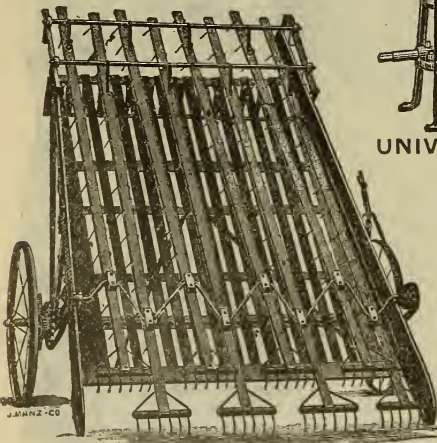


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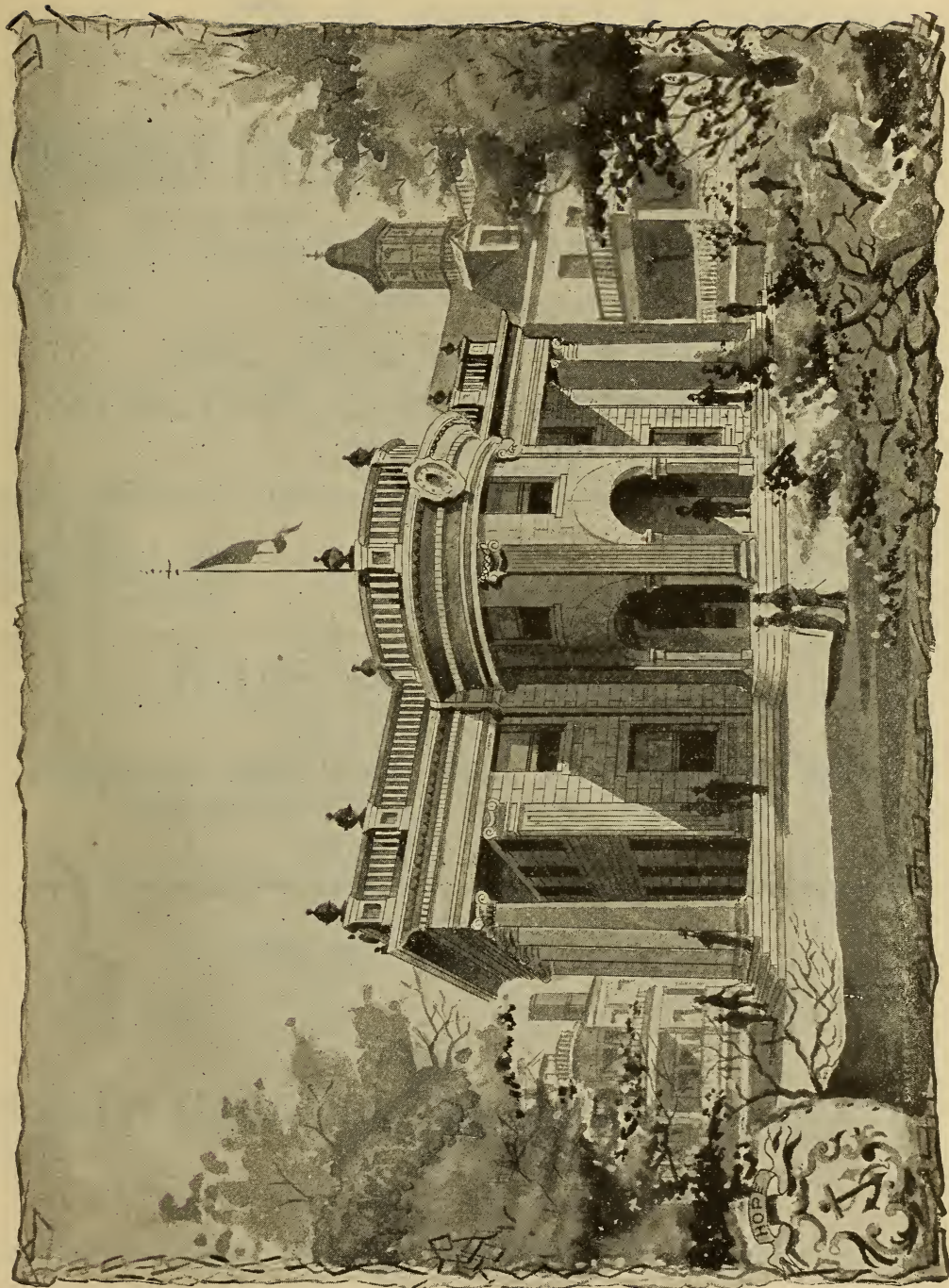
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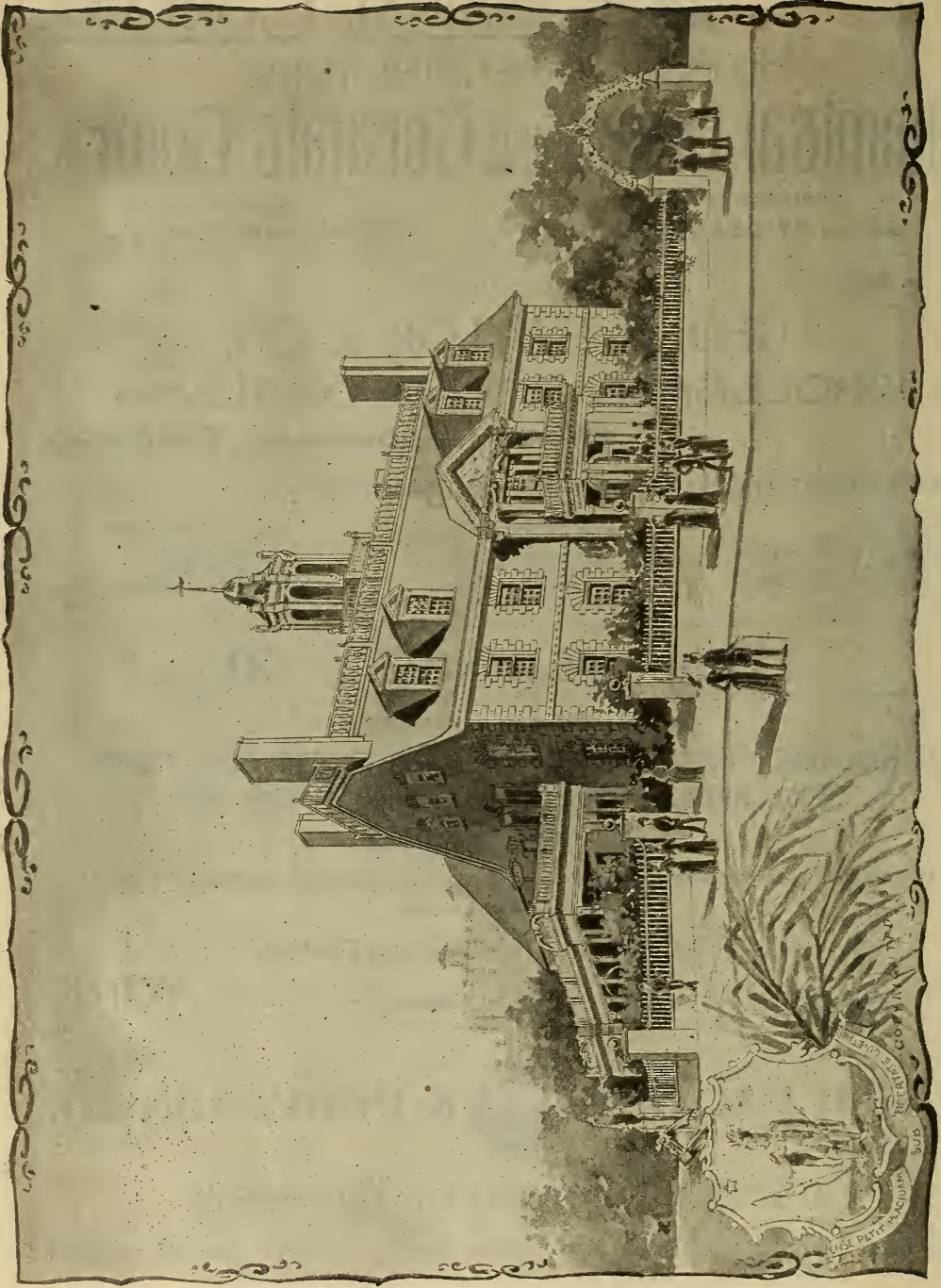
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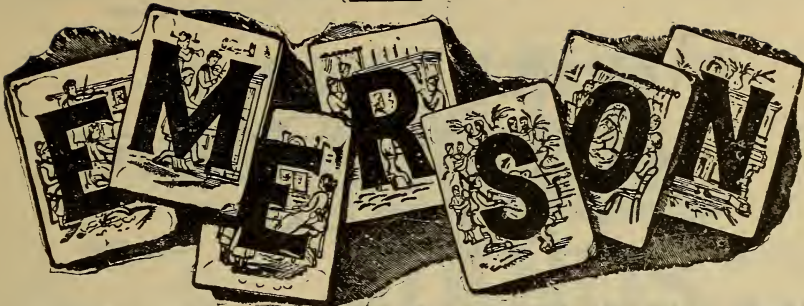
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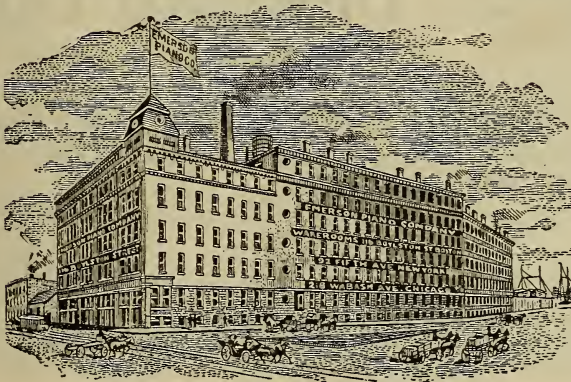
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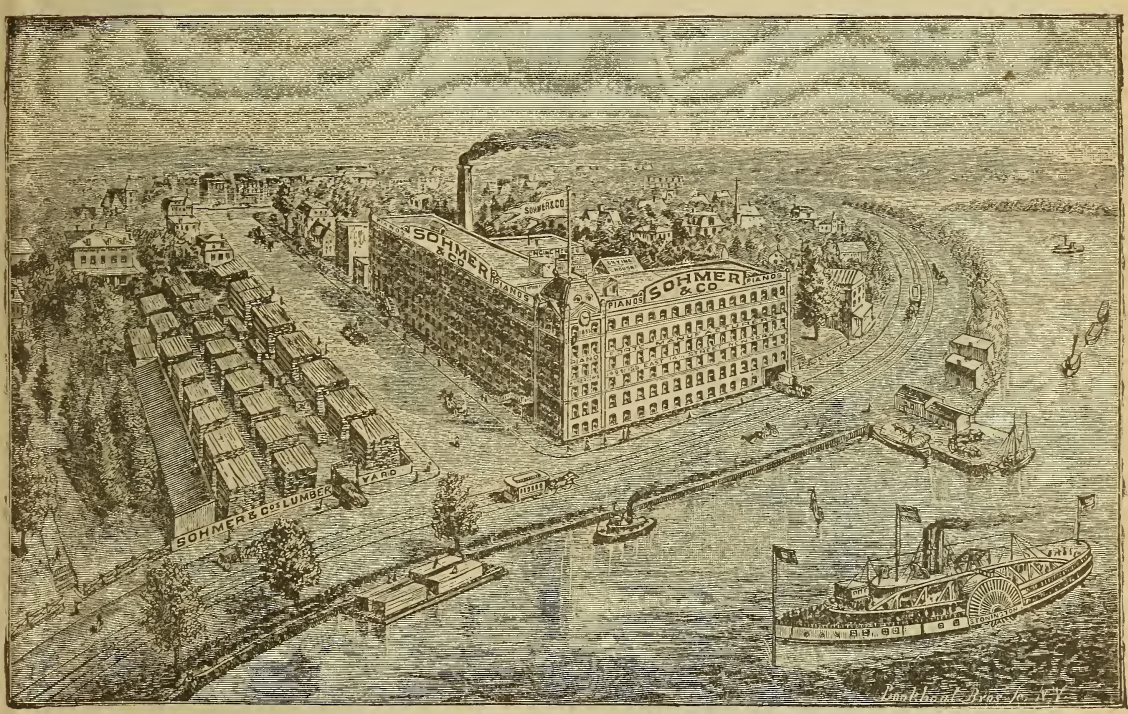
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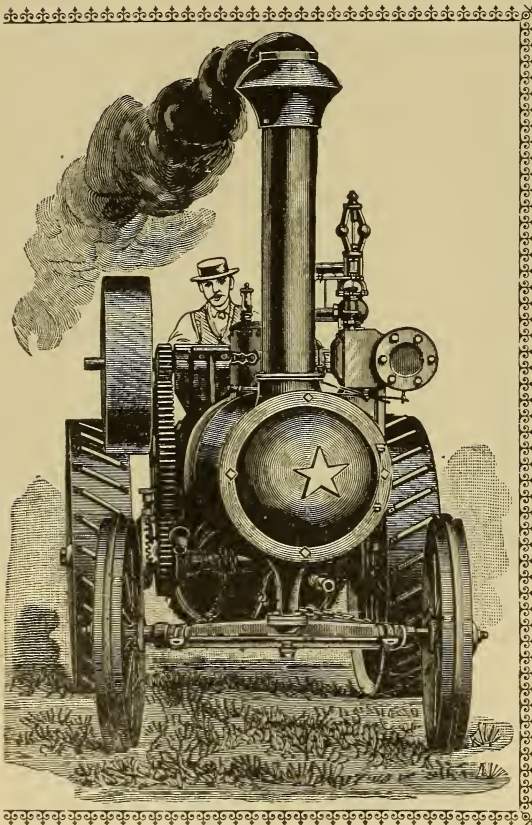
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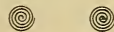
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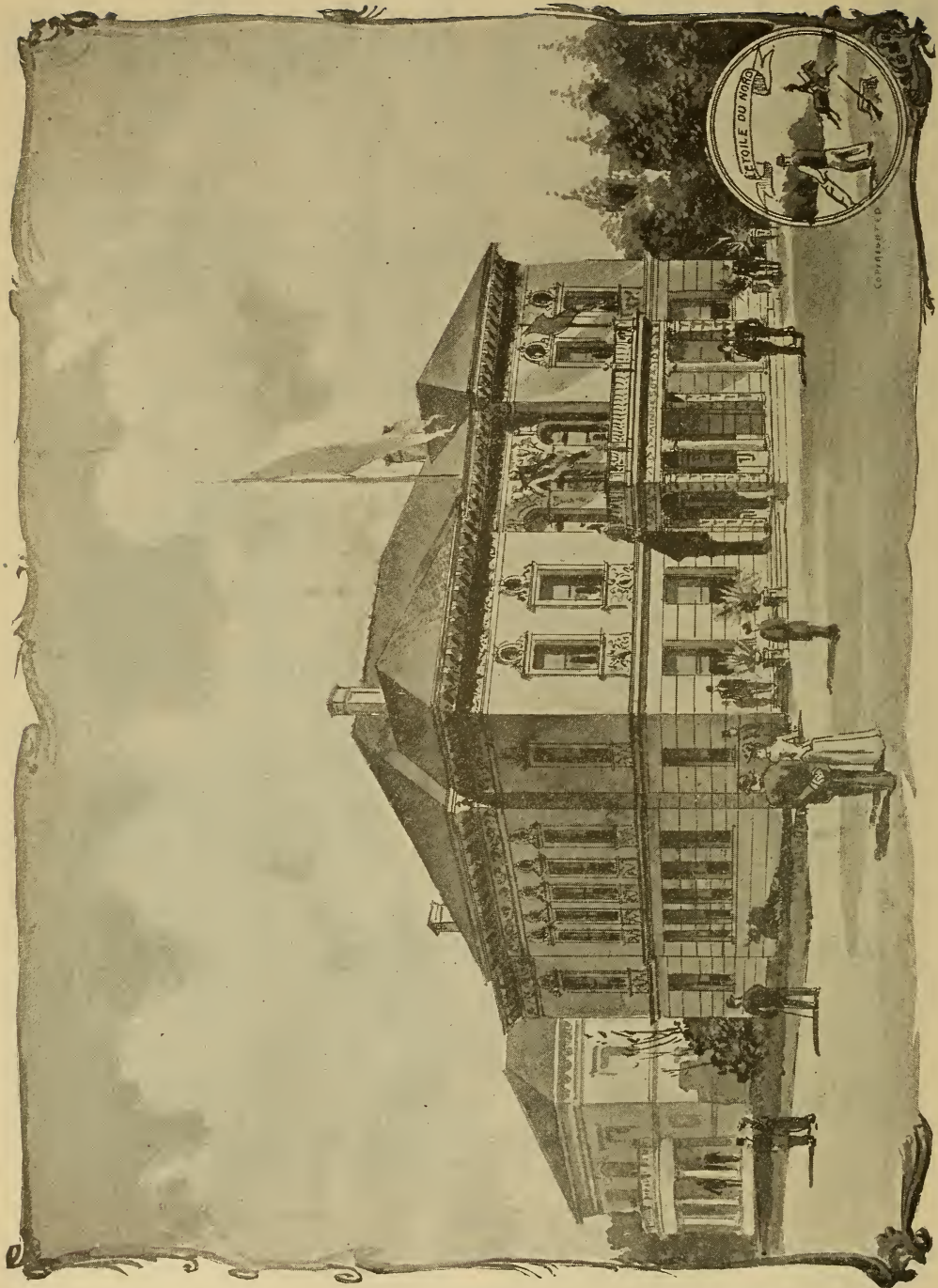
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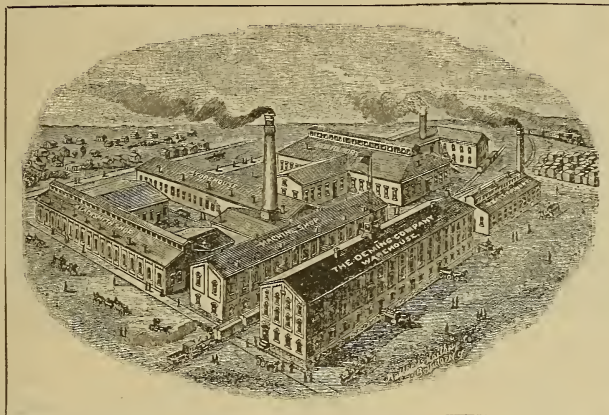
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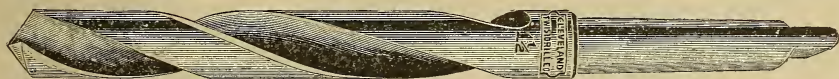
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ESTABLISHED 1874.

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All kinds of Twist Drills for Metal and Wood Boring,
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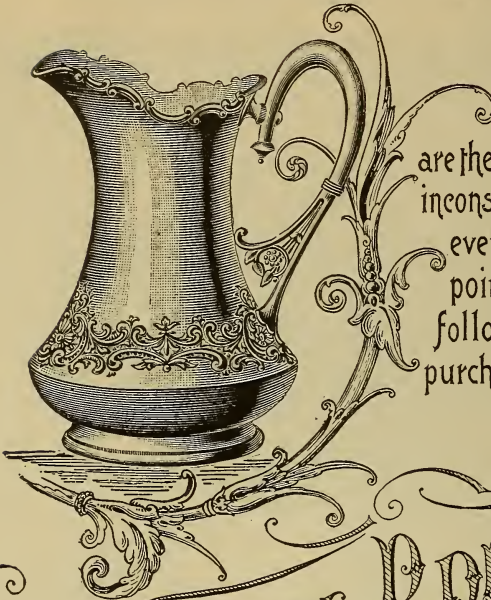
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SPOONS, FORKS, KNIVES &c.

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Acknowledged to be the best goods manufactured.

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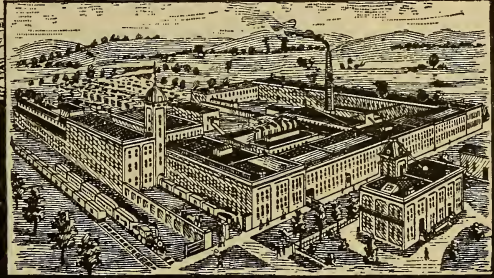
SECTION N, BLOCK I.

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MANUFACTURERS OF
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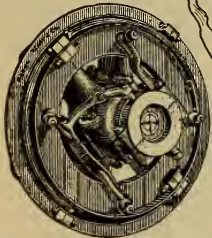
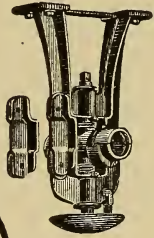
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40 TONS CASTINGS.



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with
PATENT BUSHING SYSTEM.

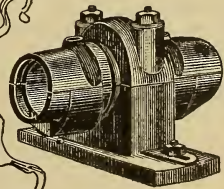
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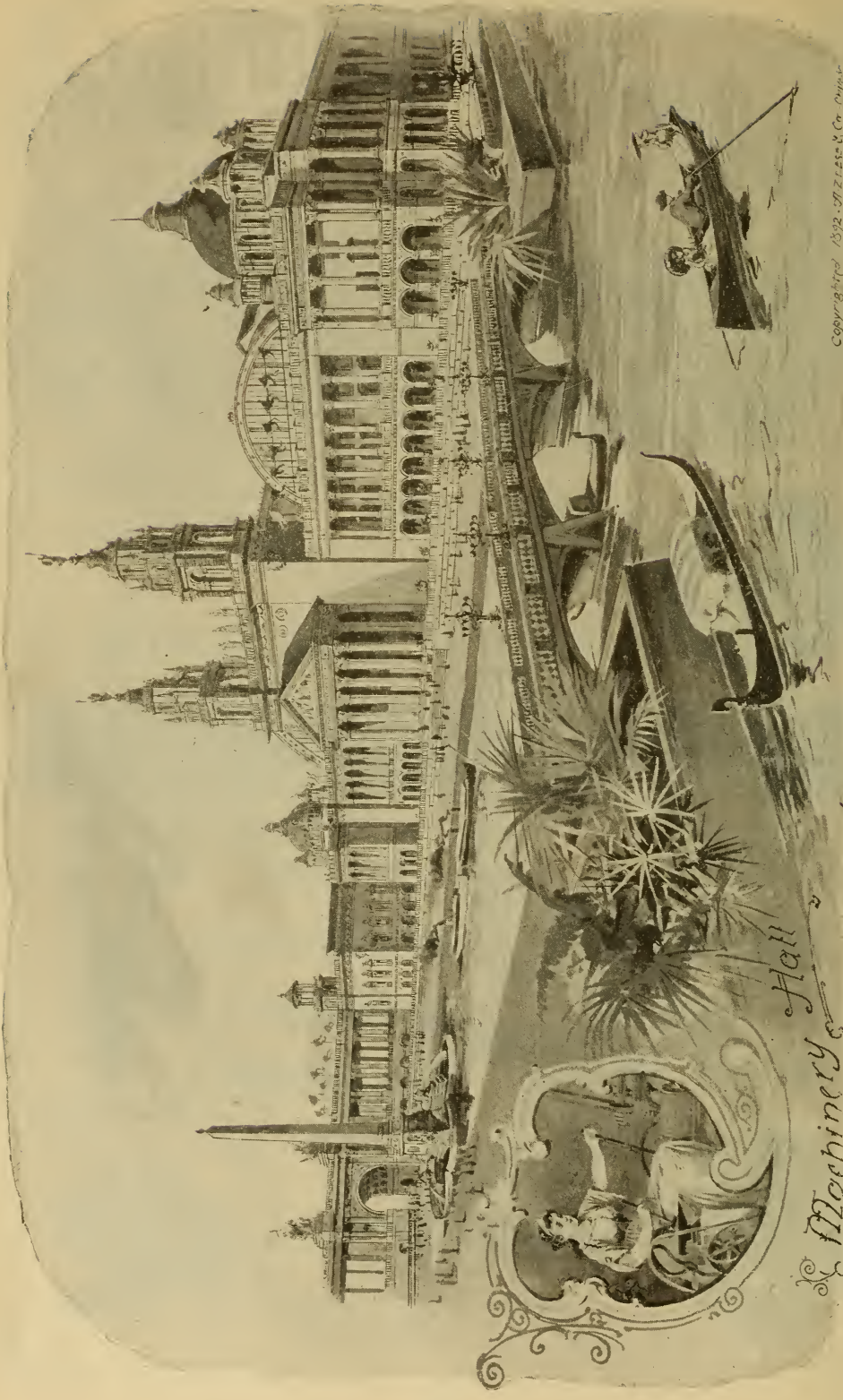
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CHICAGO OFFICE,
166-174 S. CLINTON ST.





Hall & Machinery

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PHOENIX MUTUAL
LIFE INSURANCE COMPANY
 OF
HARTFORD, CONNECTICUT

Is one of the Strongest and Best
 Life Companies in the Country.

Our new forms of **Life, Endowment and Life, Endowment and Annuity Policies** have all the liberal features endorsed thereon; extended insurance, cash values, loan privileges and paid-up values.

•—————INCONTESTABLE AFTER TWO YEARS—————•

Our new 3-20 policy is a low price insurance and investment contract. Our new **10-20 Installment Policy** is the lowest price Life Insurance contract issued by any old line company in the world.

In 1892 the business of the company shows an increase in each of the following items:

Assets, Surplus, New Premiums, Insurance Written, Insurance in Force.

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HAS A
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Daily, per year
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It has a bona fide, guaranteed circulation larger than any daily in the State or in the Southwest, outside of the Pacific Metropolis, and as an advertising medium is without a peer in its field. Its specialty is the development of the country, and it gives non-residents full information about the **Beauty Spot of America** in which it is published. Sample copies sent to any part of the world free, and a special three part issue, containing elaborate and reliable information about the country in detail, sent on receipt of ten cents.

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PAPER MAKERS AND MANUFACTURERS OF WALL PAPER
KAUKAUNA, WISCONSIN.

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The popularity attained on their merits, of their first year's Paper Hangings product, is without a parallel in the history of the trade.

Wholly independent of all "Trust" Combinations.

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WALL PAPER DEPARTMENT.

Operating the Following Mills:

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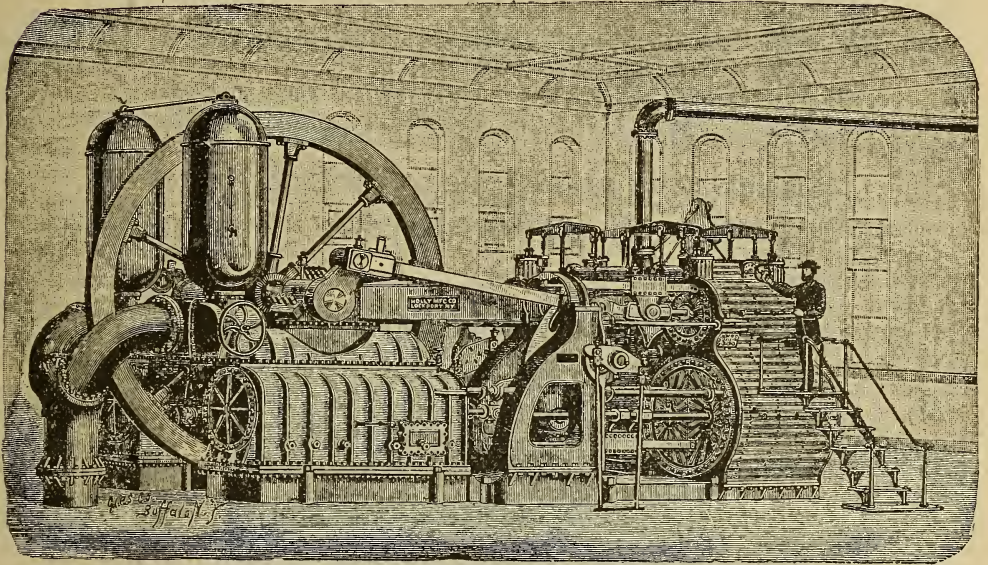
MAY, 1893.

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W. H. WELLS, JR., VICE-PRES.
G. G. HILDRETH, SEC'Y.

H. H. FLAGLER, TREASURER.
F. W. HOLLY, ENG. & SUPT.
L. L. CHADWICK, AUDITOR.

THE HOLLY MANUFACTURING COMPANY,

LOCKPORT, N. Y.



MANUFACTURERS OF THE
CELEBRATED

Holly-Gaskill Horizontal High-Duty Pumping Engines.

 **Gaskill Vertical Compound High-Duty Pumping Engines.** 

Gaskill Triple Expansion High-Duty Pumping Engines.

There are four of these horizontal high-duty pumping engines of 12,000,000 capacity each, at the 68th Street Pumping Station, adjoining the World's Fair Grounds, two of which were purchased expressly to supply the World's Fair Grounds and buildings with wholesome lake water for all purposes. These engines are arranged to furnish instantaneous fire service at the Exposition, direct from the mains and hydrants, without the aid of steam fire engines.

There have been over two hundred of these justly celebrated high-duty pumping engines constructed and sold within the past ten years, ranging in capacity from one to twenty million gallons per day, and they are in use in the principal cities of the United States. Eight (8) of 12,000,000 gallons capacity each are now in service in the city of Chicago.

These engines are capable of developing the highest duty ever obtained by any pumping engine.

Engineers, mechanics, and others interested, are invited to visit the city pumping station, adjoining the World's Fair Grounds (at the foot of 68th street), to see those pumping engines in operation and supplying water to the Exposition grounds and Chicago.

For further information, send for pamphlet to the home office at Lockport, N. Y., or call on the General Agent,

P. H. LINNEEN,

ROOM 301, HOME INSURANCE BUILDING,
CHICAGO.



It is a Fact

That the demand for the Official Directory of the World's Columbian Exposition has been unprecedented in the history of the subscription book business. Many thousands of orders were taken by agents in all parts of the country long before the work was issued from the press. The public recognized in it something that would prove very valuable to them in their endeavor to comprehend the magnitude and splendor of the greatest Exposition the world has ever known; and considering the very low price at which it was sold, agents found no difficulty in securing orders. Representations made by them as to what the book would be have been more than verified, and now that the complete book may be shown to prospective subscribers, giving them an exact idea of its worth, many will avail themselves of an opportunity to obtain a copy who may have hesitated heretofore. The official publishers desire agents in every section of the country, and will be pleased to quote terms and particulars on application.

W. B. CONKEY COMPANY,

Official Publishers to the World's Columbian Exposition,

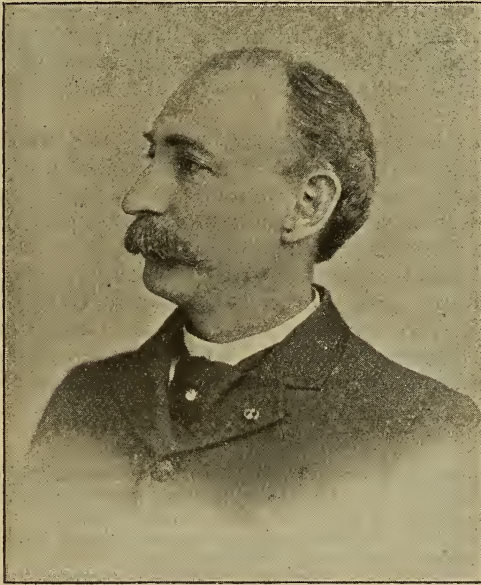
CHICAGO, ILL.

341-351 Dearborn Street.

DEPARTMENT F—MACHINERY.

AMONG the triumphs recorded at the Exposition is that of labor-saving machinery. The closing decade of the century will be remembered in history as the age of machinery, and the exhibit of this department is of necessity most important and interesting. It is perhaps the most conspicuous and observed of all the departments of the great Exposition, for a fitting close of the ceremonies on the opening day was the starting of the machinery in operation by the President of the United States. Henceforward to the close the machinery will be to the Fair what the lungs are to the human body. Peerless in the ranks of nations which have given to mankind the fruits of invention in mechanical form stands the United States of America, while Europe has spared no pains to prove that her artificers have not lost their skill, and that in the great competition the Old World is still abreast of the new. The extent of the space under roof in the building devoted to the display of machinery, nearly eighteen acres, is a proof of the appreciation of the importance of this branch of the Exposition.

The Machinery Building, or, as it is officially termed, the Palace of Mechanic Art, is located at end of the park, the shore of Lake west line of the south of the Ading, and west and from the Agricultural. The main building is 850 feet long and with the Main and Power-house, 000. The building three arched spans about 125 feet. The building presents the three railroad by side. These are about 50 feet. The naves are lighted above by large the center, three covering an open square, take the Outside of this naved room on the south runs a 50-story building. This opens directly into the main hall; both on the first floor, and on the second floor on the north and east fronts, forming a great gallery.



L. W. ROBINSON, CHIEF.

There are two main entrances to Machinery Hall: One on the north, facing Administration Building, and one on the east, facing Agricultural Hall. In each of the four corners of the building is a domed pavilion containing a grand staircase, and there are other staircases adjacent to the two grand staircases referred to. There are other entrances along the sides and ends of the main hall and annex, giving ample accommodation for the immense crowds.

The Annex Building contains three naves and runs 550 feet to the westward, carrying out the long naves formed by the trusses in the main building.

On the south of the main building for its whole length is a one-story structure, which contains the vast steam and electrical plant which supplies power and light to the whole of the Exposition buildings and grounds.

the extreme south midway between Michigan and the park. It is just ministration Building across a lagoon of Machinery Hall and 500 feet broad, chinery Annex cost about \$1,200, is spanned by trusses, and the in- appearance of train-houses side arched iron trusses on centers, and the feet each. The and aired from monitor roofs; in domed roofs, each space 125 feet place of monitors. immense three- north, east and foot-wide two-

The whole of Machinery Hall, throughout, rests upon planking and trestle-work foundations. Its frame is very largely of wood, but the main trusses spanning the building are of iron, and are of such width that they will be serviceable in the future in the construction of railroad train-houses. The main building and annex added together will give a perspective of nearly 1,400 feet in a straight line. In each of the naves an electric-traveling crane moves from one end to the other. These are used for installing and moving the machinery exhibits. Platforms have been built on these traveling cranes, and they are used to carry visitors.

The exterior of the building is covered with staff, which is used for the covering of all the other buildings at the Exposition. In the figure and ornamental work every attempt has been made to indicate the purpose of the building, the statues representing mechanical forces, or carrying portraits, or the names of inventors.

Running the entire length of the main building and the annexes are three avenues or aisles, the center one twenty-five feet wide and the sides each fifteen feet in width. At the western extremity of these aisles enter the tracks of the auxiliary railroads for the conveyance of heavy machines to the first cross-aisle, from which the traveling cranes carry them.

The comprehensive character of the display to be seen in this branch of the Exposition is apparent from the classification. Eleven groups, comprising eighty-six classes, are devoted in the general classification to the department of machinery. Among these eighty-six classes are found almost every known mechanical device.

Holbrook Fitz-John Porter is assistant chief of the Machinery department, and shares with the chief the responsibilities of his position and represents him in his absence. Mr. Porter has been connected with the Exposition almost from the start. He was first assistant mechanical engineer in the Construction department during the time when the principal problems of a mechanical nature were being solved, and was transferred to the Machinery department when that department assumed shape. Mr. Porter is the son of Gen. Fitz-John Porter, and was born in New York City in 1858. Mr. Porter is a member of the American Society of Mechanical Engineers and of local engineering societies, and is the author of many engineering articles written for these societies and technical journals.

Departmental regulations provide that:

Exhibitors must be manufacturers or producers of machinery, and not dealers only.

No machinery on exhibition can be allowed to run longer than is necessary for that purpose, except by special permission of the chief of the department.

Steam pressure supplied is 125 pounds per square inch above the atmosphere. Exhibitors requiring a lower pressure obtain it by using a reducing valve.

The line shafting makes 250 and 300 revolutions per minute, and is placed fourteen feet nine inches from the center of shaft to floor of building.

Driving pulleys on main line of shafting are supplied by exhibitors, and are in halves and limited to thirty-six inches in diameter, and are secured in a manner that will not weaken the shaft.

The main lines of steam, water and sewer pipe are provided, but all connecting pipes, valves, etc., are supplied by the exhibitor.

The water pressure is that due to a head of 200 feet, or a pressure of about 86 pounds per square inch.

The Chief of the Department has the care and supervision of the main shaft, but all gear supplied by exhibitors is under their care, who also select persons to attend to their machinery, and who alone are allowed to operate it.

Exhibitors furnishing machinery, such as engines, boilers, etc., for the use of the Exposition, may select their own men to operate them, subject to the approval of the Chief of Construction.

Fire engines entered for exhibition, offered and accepted for use, are properly cared for and furnished with fuel free of expense.

All platforms, counters, ornamental partitions, show cases and appurtenances of approved design, have been erected at the expense of the exhibitor, and have not exceeded the following dimensions, without special permission of the Chief of Department:

Show cases 15 feet above the floor.

Counters, 2 feet 10 inches above the floor on the side next to passage-way.

Platforms, 1 foot above the floor.

Partitions of various heights, not exceeding 15 feet, of approved design, may be erected in certain parts of the building.

All exhibits of machinery in motion must be inclosed by a railing of uniform height of 2 feet 6 inches, the railing to come within the space.

No fire is allowed in Machinery Hall except by special permission of Chief of Department. Not more than a day's supply of oils and other inflammable material is permitted in the building, but a suitable place is provided for the storage of the same.

Permits are issued by the Chief of Department to bring in raw material required for the successful operation of certain exhibits, and such articles as may be required by concessions and privileges before fifteen minutes of the opening of the Exposition in the morning. Also for the removal of such articles and products as come within the regulations.

The location of exhibits in Machinery Hall is indicated by the rows of columns and the number of the nearest column in a row. The rows are lettered A, B, C, D, etc., from the south side, and the columns numbered 1, 2, 3, etc., from the east end.

All exhibits of machinery in motion must be protected by ornamental railings of a uniform height of two feet six inches.

No fire will be allowed in the Electrical Building except by the written permission of the Chief of the Department; oils and inflammable material will be allowed only in quantities sufficient for one day's use; suitable storage will be provided for the same.

Exhibitors may employ watchmen to take care of their machinery and exhibits at night, but such watchmen will be subject to the approval of the Chief of the Department.

The distribution of cards, circulars, pamphlets or samples about the building or its vicinity, will not be permitted under any circumstances. Exhibitors can distribute such articles only from their own space, but will not be allowed to solicit their acceptance.

Exhibitors are required to attach to each exhibit a printed or type-written description in the English language, of the use and operation of the object exhibited for the information of the public.

FLINT & WALLING MFG. CO.

KENDALLVILLE, IND., U. S. A.

... Manufacturers and Exporters of ...

WINDMILLS, IRON PUMPS

Hydraulic Well Machinery, Water Tanks and Fixtures.

STAR MILL.

This Mill is manufactured in sizes from 10 to 26 ft. in diameter and is especially adapted for pumping purposes. The simplicity of its construction recommends it as possessing more points of merit than can be found in any other make. **Note this fact: The Star Mill** is universally conceded to be the acme of perfection as regards mechanical construction, durability and power, which demonstrates clearly its leadership in the van of the Windmill trade.

STEEL STAR WINDMILLS GALVANIZED and STEEL TOWERS GALVANIZED.

The Steel Star **Windmill** has been thoroughly demonstrated a success, being simple and symmetrical in its construction. We furnish these Mills either painted or galvanized, the latter being superior, as this process of finishing protects them from air and moisture, which practically makes them indestructible.

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IRON FORCE AND LIFT PUMPS, PAINTED OR GALVANIZED.

We are the only manufacturers of Pumps in America to-day who can furnish a full line of these goods **galvanized**, and it is not necessary to eulogize this method of finishing as it is apparent.

CYLINDERS.

We also make a full line of Pump Cylinders varying in size from 2 to 6 inches in diameter, and from 10 to 20 inches long, of iron, brass lined iron, brass body and all brass. Having double packed plungers they are superior to any other line of cylinders on the market.

HOOSIER WELL MACHINERY and TUBULAR WELL TOOLS.

There is no Well Machine and Tubular Well Tools combined that contain so many points of excellence as the "Hoosier," and are designed for making wells averaging in depth from 1 to 600 ft.



We also carry a full line of Pipe, Casing, Brass Goods, Fittings, Hose, and a general stock of goods used in raising and conducting water.

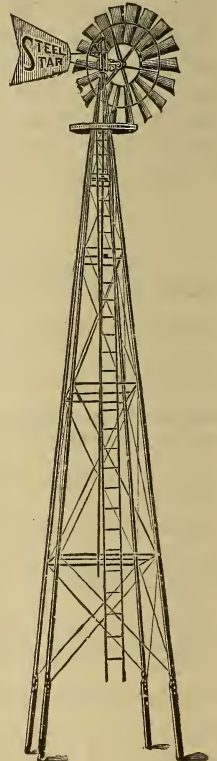
We solicit your correspondence, and on application will be pleased to mail you descriptive catalogues, etc.

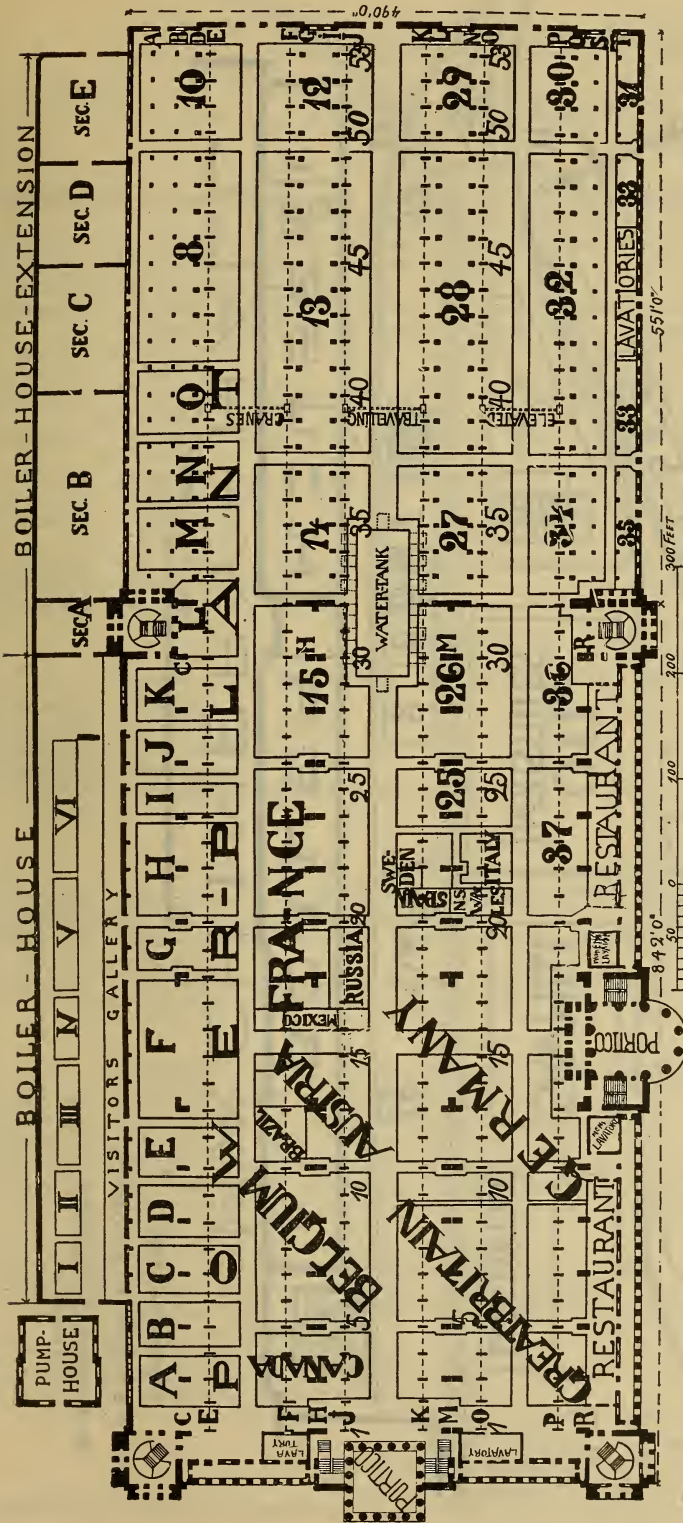
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Flint & Walling Mfg. Co.,

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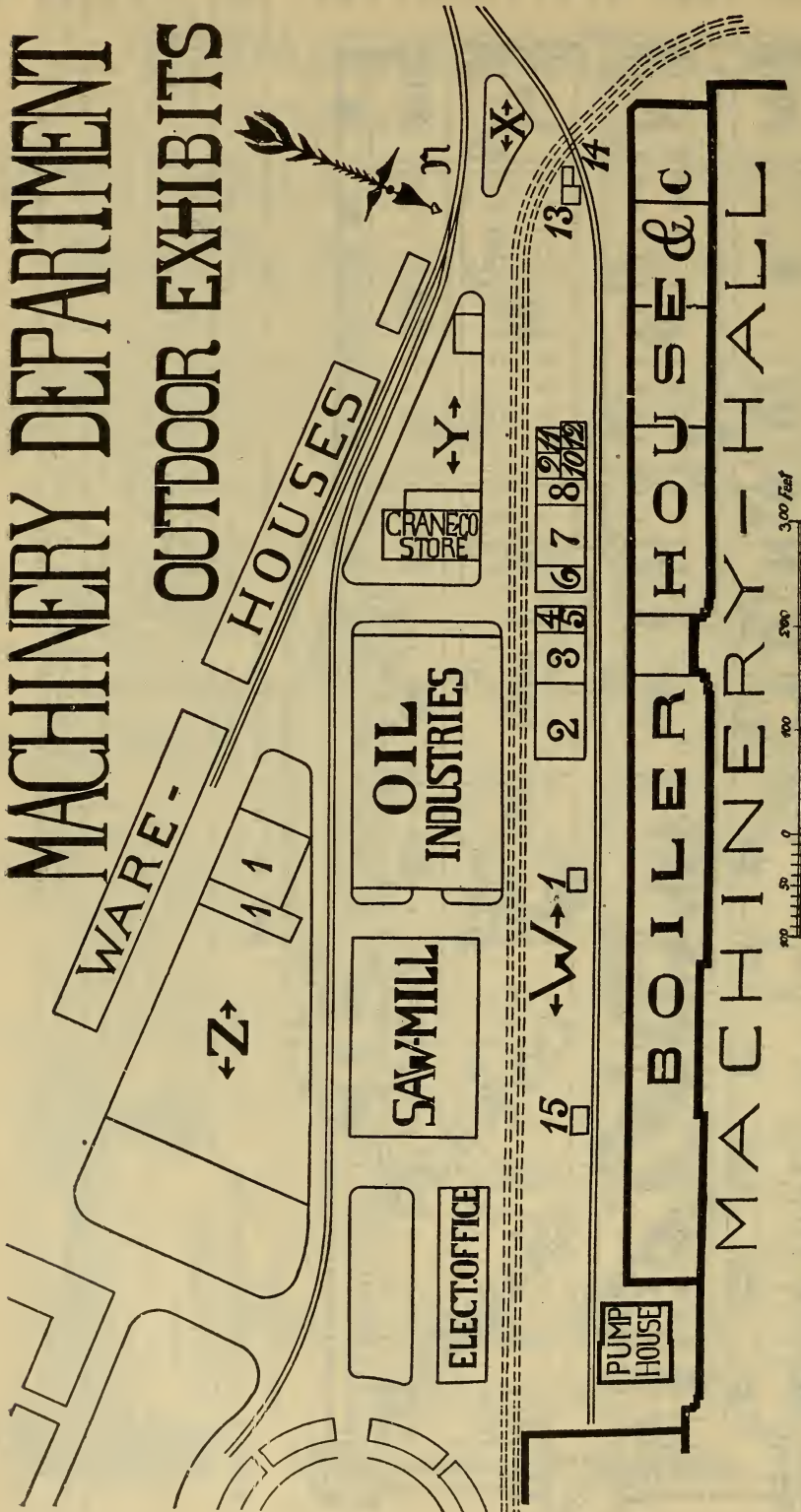
WORLD'S COLUMBIAN EXPOSITION
FOR THE EXCLUSIVE USE OF
W. B. CONKEY COMPANY,
CHICAGO.

KEY TO INSTALLATION.

The exhibits in the Department of Machinery are installed in Machinery Hall proper, in the Power Station Pump House, Machine Shop, Saw Mill Building, Boiler House Extension, Oil Pump House, and in an out-of-door space near the main building. In the location of exhibits, the following abbreviations are used: "P.P."—Power Plant; "P.S."—Power Station; "P.H."—Oil Pump House; "M.S."—Machine Shop; "O.D.S."—Out Door Space; "L.S."—Line Shaft; "S.M."—Saw Mill; "B.H."—Boiler House; "O.P.H."—Oil Pump House; "F.E.H."—Fire Engine Houses; "P.H. of E. Ry."—Power House of Elevated Railway; "M.P."—Midway Pleasance; "B. S. Ry."—Barre Sliding Railway. The power plant, adjoining the main building, is divided into sections lettered from A to O. The boiler house, on the south, has six numbered divisions, and the divisions of the boiler house extension are numbered from A to E. The east end of the main building is occupied by foreign countries, their various locations being indicated on the floor plan. The main building is divided into numbered sections, as indicated in 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. Hence, each column bears both a letter and a number. An exhibit located at "28-N-46" is in Section 28, near the post or column lettered "N" on the north and south line, and 46 on the east and west line.

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

MACHINERY DEPARTMENT OUTDOOR EXHIBITS



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 CHICAGO.

CLASSIFICATION.

MACHINERY DEPARTMENT (F).

GROUP 69.

MOTORS AND APPARATUS FOR THE GENERATION AND TRANSMISSION OF POWER—HYDRAULIC AND PNEUMATIC APPARATUS.

- Class 413. Boilers and all steam or gas generating apparatus for motive purposes.
- Class 414. Water wheels, water engines, hydraulic rams.
- Class 415. Steam, air and gas engines.
- Class 416. Apparatus for the transmission of power—shafting, hangers, belting, pulleys, couplings, clutches, cables, gearing. Transmission of power by compressed air, etc.
- Class 417. Pumps and apparatus for lifting and moving liquids, water filters. (See also Department E.)
- Class 418. Pumps and apparatus for moving and compressing air or gas. (See also Department E.)
- Class 419. Pumps and blowing engines, blowers and ventilating apparatus. (See also Department E.)
- Class 420. Hydraulic presses, freight elevators and lifts. Traveling cranes and derricks. (See also Department E.)
- Class 421. Beer engines, soda water machines, bottling apparatus, corking machines. (See also Department A.)
- Class 422. Iron and other metallic pipes, tubes and fittings, stop valves, cocks, etc.
- Class 423. Diving apparatus and machinery.
- Class 424. Ice machines. Refrigerating apparatus.

GROUP 70.

FIRE ENGINES—APPARATUS AND APPLIANCES FOR EXTINGUISHING FIRE.

- Class 425. Engines.
- Class 426. Hose-carts and hose.
- Class 427. Ladders and escapes.
- Class 428. Standpipes, etc.
- Class 429. Chemical fire-extinguishing apparatus.

GROUP 71.

MACHINE TOOLS AND MACHINES FOR WORKING METALS.

- Class 430. Small tools for machinists' use, drills, taps and dies, gauges, etc.
- Class 431. Squares, rules and measuring tools.
- Class 432. Steam hammers, trip-hammers, drop forging and swaging machines, hydraulic forging, etc.
- Class 433. Planing, drilling, slotting, turning, shaping, milling, punching and cutting machines. Wheel-cutting and dividing machines.

GROUP 72.

MACHINERY FOR THE MANUFACTURE OF TEXTILE FABRICS AND CLOTHING.

- Class 434. Machines for the manufacture of silk goods.
- Class 435. Machines for the manufacture of cotton goods.
- Class 436. Machines for the manufacture of woolen goods.
- Class 437. Worsted working machinery and appliances.
- Class 438. Machines for the manufacture of linen goods.
- Class 439. Machines for the manufacture of rope and for twine-making and for miscellaneous fibrous materials.
- Class 440. Machines for paper-making and felting.
- Class 441. Machines for the manufacture of India-rubber goods.
- Class 442. Machines for the manufacture of mixed fabrics.
- Class 443. Machines used in the manufacture of tapestry, including carpets, lace, floor cloth, fancy embroidery, etc.
- Class 444. Sewing machines for heavy materials.
- Class 445. Machines for preparing and working leather.
- Class 446. Machines for making boots and shoes.

GROUP 73.

MACHINES FOR WORKING WOOD.

(See also Departments A and E.)

- Class 447. Direct-acting steam sawing machines, with gang saws, band saws, circular saws.

- Class 448. Sawmills and sawmill tools.
Wood-working machinery for sawmills
Wood-working tools and minor appliances for sawmills.
- Class 449. Planing, sawing, veneering, grooving, mortising, tonguing, cutting, molding, stamping, carving and cask-making machines, etc.; cork-cutting machines. Lathes for wood-work and machinery for the manufacture of matches, toothpicks, etc.

GROUP 74.

MACHINES AND APPARATUS FOR TYPE SETTING, PRINTING, STAMPING, EMBOSsing, AND FOR MAKING BOOKS AND PAPER WORKING.

- Class 450. Steam-power presses.
Class 451. Hand-printing presses.
Class 452. Job presses.
Class 453. Hydraulic presses.
Class 454. Ticket printing and numbering machines.
Class 455. Type casting and setting machines. Linotypes.
Class 456. Hand-casting molds.
Class 457. Machines and printing blocks.
Class 458. Typographic electrotyping.
Class 459. Stereotyping.
Class 460. Bookbinding machinery.
Class 461. Envelope machines.
Class 462. Paper cutters, card cutters.
Class 463. Printers' cabinets and printers' furniture generally
Class 464. Composing sticks, cases.
Class 465. Brass and type metal labor-saving appliances.
Class 466. Specimens of plain and ornamental types, cuts, music, borders and electrotype plates.
Class 467. Type-founders' specimen books of type and typographical ornaments.
Class 468. Miscellaneous machinery used by printers and newspapers not otherwise specified.
Folding machines, addressing, stamping, embossing, etc.

GROUP 75.

LITHOGRAPHY, ZINCOGRAPHY AND COLOR PRINTING.

- Class 469. Lithography—Tools, materials and appliances. The various methods of lithography, crayon, pen and ink; engraving, brush work, color printing, etc. Transferring, printing. Zincography.
- Class 470. Color printing—Historical illustrations from the 16th Century to the present time. (Relief engraving. The old chiaro-oscuro. Modern wood-engraving. The Baxter process. Intaglio engraving, printed at one impression, *i. e.*, from the plate rubbed in different colors, printed from several plates. Stenochromy. Chromolithography. Wax process, etc. The modern photo-mechanical processes applied to color printing.)

GROUP 76.

PHOTO-MECHANICAL AND OTHER MECHANICAL PROCESSES OF ILLUSTRATING, ETC.

- Class 471. Relief processes—Photo-mechanical processes producing relief blocks for printing in the type-press (etching, swell-gelatine and washout processes). Line processes (photo-typographic etchings, typo-gravures, etc.).
- Class 472. Half-toned processes—Gelatine grain processes. (Paul Pretsch's and later.) Screen processes. (Meisenbach, etc.) The Ives process.
- Class 473. Photo-lithography, etc.—Photo-mechanical processes involving the production of printable designs on stone or zinc; *i. e.*, photo-lithography and photo-zincography. Half-toned processes (the Bitumen process, Poitevin's process, Asser's process, etc.). Recent grain processes. Screen processes. Line processes. (Osborne's process.)
- Class 474. Collographic processes—Photo-mechanical processes, involving the production of gelatine or other glutinous films, to be used as printing surfaces in the lithographic press; *i. e.*, collographic or photo-gelatine processes (albertype, heliotype, artotype, etc.).
- Class 475. Photo-mechanical processes—Producing intaglio plates for printing in the copper-plate press; *i. e.*, photo-gravure. Etching processes, deposit processes, heliotypes, heliogravures, etc. The Woodbury type-molds and impressions.
- Class 475. Mechanical processes—Partly chemical, partly mechanical, devised as substitutes for the other hand processes, but not involving photography. Chalcotype, Comte process, Gillot process, etching in relief, typographic etching, properly so-called (chemotype, the graphotype, kaolitype), the wax process and allied processes (glyphography, kerography, stylography, typographic etching, improperly so-

called, etc.). Machine relief engraving, machine intaglio engraving (medal ruling), galvanography, steno-chromy, mineralography, nature printing, the anastatic process, etc. Appendix. Etching on glass (improperly so-called, which involves photography, but not the use of the press).

- Class 477. Drawings for process work.
 Class 478. Aids to drawing for process work (used by lithographers and draughtsmen). Grained and embossed papers. Pasting tints. The air brush. Day's shading mediums, etc. Methods of reducing and enlarging. Photo-mechanical processes.
 Class 479. Applications of the photo-mechanical processes in the industrial arts—Prints on metal work, cloth, etc.

GROUP 77.

MISCELLANEOUS HAND TOOLS, MACHINES AND APPARATUS USED IN VARIOUS ARTS.

- Class 480. Machines for making clocks, watches and watch cases.
 Class 481. Machines for making jewelry.
 Class 482. Machines for making buttons, pins, needles, etc.
 Class 483. Wire-working machinery.
 Class 484. Machines for ironing, drying, scouring and laundry work generally.
 Class 485. Machines for making capsules and other pharmaceutical products.
 Class 486. Machines used in various manufacturing industries not specifically mentioned.
 Class 487. Emery and corundum wheels.
 Class 488. Street rollers, sweepers and sprinklers.
 Class 489. Steam gauges, oil cocks and all kinds of appliances used in connection with machinery.
 Class 490. For testing the strength of materials. Dynamometers.

GROUP 78.

MACHINES FOR WORKING STONE, CLAY AND OTHER MINERALS.

(See also Department E.)

- Class 491. Stone-sawing and planing machines, dressing, shaping and polishing, sand blasts, Tilghman's machines, glass-grinding machines, etc.
 Class 492. Brick, pottery and tile machines. Machines for making artificial stone.
 Class 493. Rolling-mills and forges—roll trains, hammers, squeezers, engines, boilers and other driving power; heating furnaces (coal and gas), special machines for shaping metal, such as spike, nail, and horseshoe machines; tire mills, etc.

GROUP 79.

MACHINERY USED IN THE PREPARATION OF FOODS, ETC.

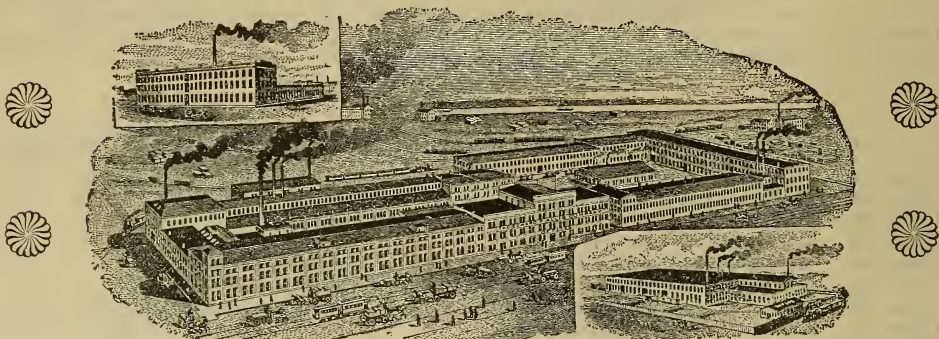
- Class 494. Mills for the preparation of cereals.
 Class 495. Sugar-refining machines. Confectioners' machinery.
 Class 496. Oil-making machinery; presses and stills.
 Class 497. Mills and machinery for spices, coffee, etc.
 Class 498. Evaporating machinery for condensing milk, etc.

ANNUAL SALES \$3,000,000.

ESTABLISHED 1860.

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ROLLER MACHINES,
CORN ROLLS,
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STEAM NIGGERS,
STEAM FEEDS,
LATH BOLTERS,

And a complete line of high grade Saw-Mill Machinery.

SEPARATE CATALOGUES ON ANY OF THE ABOVE MENTIONED MACHINES.

Department F.--Machinery.

UNITED STATES.

GROUP 69.

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

1. Abendroth & Root M'fg Co., New York.
 - a Boilers, water pipe. BH.—1 413
 - b Pipe for water works, etc. 26-O-28 422
2. Aermotor Co., Chicago. Pumps. Dept. A 417
3. Alexander Bros., Philadelphia. Leather belting, belt truck. 26-J-28 416
4. Allis, E. P. Co., Milwaukee, Wis. Steam engines. F-E-13 & P H. of E. Ry. 415
For exhibit see page 450.
5. Allington & Curtis M'fg Co., East Saginaw, Mich. Pipes and dust collectors. 12-E-53 419
6. Althouse Wheeler Co., Waupun, Wis. Pumps. W. ex. 417
7. American Fire Engine Co., Seneca Falls, N. Y.
 - a Boilers and engine heaters. 8-A-44 413
 - b Fire pump and piston pump. 417
8. American Hoist & Derrick Co., St. Paul, Minn. 15-F-29
 - a Engines, hoisting machines. 415
 - b Derricks with power. 420
9. American Leather Link Belt Co., Chicago. Leather link belts. 15-F-27 & PP. 416
10. American Well Works, Aurora, Ill. Engines, pumping machinery. 26-K-30 417
11. Ashton Valve Co., Boston. Valves and gauges. 26-M-27 422
12. Atlas Engine Works, Indianapolis, Ind. PP.—H-D-22 & N-A-37
 - a Boilers. 413
 - b Engines. 415
13. Babcock & Wilcox Co., New York. Boilers. BH—6 413
14. Ball Engine Co., Erie, Pa. Engines. PP.—P-E-5 415
15. Ball & Wood Co., New York. Engines. PP.—E-A-11 415
16. Bass Foundry & Machine Works, Fort Wayne, Ind. Engine. PP.—N-E-37 415
17. Bates Machine Co., Joliet, Ill. Engine. LS.—32-S-43 415
18. Bean-Chamberlin M'fg Co., Hudson, Mich. Spray pumps, windmill pumps, etc. 14-J-36 417
19. Bethlehem Iron Co., South Bethlehem, Pa. Shafting. Dept. G 416
20. Bilgram, Hugo, Philadelphia. Toothed bevel wheels. 15-H-27 416
21. Bishop & Babcock Co., Cleveland, Ohio. Beer drawing apparatus, compressors, etc. 25-K-24 421
22. Blake, Geo. F., Co., New York. Pumping machinery. 15-J-31 417
23. Bliss & Laughlin Factory, Harvey, Ill. Shafting. 8-B-47
24. Boston Belting Co., Boston. Rubber goods. PP 416
25. Brass and Iron Works Co., Fostoria, Ohio. Well drilling machine tools and pipe fittings. 26-K-28 422
26. Brightman Stoker Co., The, Cleveland, Ohio. Mechanical stoker furnace. BHE.—D 413
27. Brutham, George A., & Son, Philadelphia. Speed and power generator and intermediate motor. 26-O-31 413
28. Buffalo Steam Pump Co., Buffalo, N. Y. Pumps; machinery. 26-K-29 417
29. Bucket Pump Co., Cincinnati. Pump and water purifier. 27-L-35 417
30. Buckeye Engine Co., Salem, Ohio. Engines. PP.—H-E-23 & J-A-27 415
31. Buckeye Iron & Brass Works, Dayton, Ohio. Brass goods and pumps. 28-K-44 422
32. Bushnell, G. H., Co., Thompsonville, Conn. Filter presses. 417
33. Caldwell, H. W., & Son Co., Chicago. Power transmitting machinery. 26-O-31 416
34. Campbell & Zell Co., Baltimore. Boiler. BH.—5 413
35. Cameron, A. S., Steam Pump Works, New York. Pumps and engine. 26-K-31 417
36. Carlson, Conrad, Brooklyn, N. Y. Hod elevating system. 26-O-29 420
37. Challenge Windmill & Feed Mill Co., Batavia, Ill. Pumps. Dept. A 417
38. Chambers, Cyrus, Jr., Overbrook, Pa. Steam engine. 34-P-36 415
39. Champion Blower & Forge Co., Lancaster, Pa. Blowers, forges, etc. 27-N-34 419
40. Chapman Valve M'fg Co., Chicago. Steam valves. BH—3 422
41. Chapman Valve M'fg Co., Indian Orchard, Mass. Steam valves. PH. W.D. Ry. Co. 422
42. Chicago Automatic Scale Co., Chicago. Grain weighing machine. 26-O-28 420
43. Chicago Belting Co., Chicago. Belting. 30-Q-50; PP-J; SM—1 & 2 416

DEPARTMENT F.—MACHINERY.

44. Chicago Gas & Crude Oil Burner M'fg Co., Chicago. Oil burning device for boilers. Service 413
45. Chicago Rawhide Mfg. Co., Chicago. Belting, leather. 15-J-28 416
For exhibit see page 679.
46. Cleveland Faucet Co., Cleveland, Ohio.
a Air compressors. 27-O-33 418
b Physicians' atomizing apparatus and beer preserving device. 421
47. Clonbrock Steam Boiler Works, Brooklyn. Boilers. BHE.—B 413
48. Colles, E. G. T. & Co., Chicago. Feed water heaters, live steam purifiers and boiler cleaning filters. PP. & BHE.—D 413
49. Combination Flue Boiler Co., Milwaukee, Wis. Boilers. 15-F-31 413
50. Consolidated Safety Valve Co., New York. Valves. 25-K-24 422
51. Conover M'fg Co., New York. Jet condenser and air pumps. PP.—F-H-J 415
52. Crane Elevator Co., Chicago.
a Hydraulic machines, piston and cages. 29-L-51 & West Wall 414
b Steam engines. 415
c Power pump. 417
d Elevators. 420
53. Crane Co., Chicago. Steam, water and gas supplies. 26-O-28 422
For exhibit see page 486.
54. Davidson, M. T., Brooklyn, N. Y. Pumps. BH.—4 417
55. Davis-Creswell M'fg Co., Denver, Col. Upright engine. 26 M-30 415
56. Deane Steam Pump Co., Holyoke, Mass. Pumps. BH.—1 417
57. De La Vergne Refrigerating Machine Co., New York. Steam pump. 27-K-34 417
58. Deming Co., Salem Ohio. Pumps. 27-K-33 417
59. Dickinson, H., & Son, Lowell, Ind. Water purifier pump. 27-L-34 417
60. Dodge Mfg. Co., Mishawaka, Ind. Power transmitting appliances. 15-F-27 416
61. Dodge M'fg Co., Chicago. Wood split pulleys in paper mill plant. 8-B-47 416
For exhibit see page 435.
62. Downie Pump Co., New Brighton, Pa. Pumps and valves. 27-L-35 417
63. Eddy Valve Co., Waterford, N. Y. Fire hydrants and valves. 26-K-28 422
64. Eick Bottle Cleansing Machine Co., Philadelphia. Bottle washing machines. 27-L-36 421
65. Erwin-Welch Hydraulic Machine Co., Chicago. Engines; motors. 14-I-34 414
66. Eureka Cast Steel Co., Chester, Pa. Steel casting. 26-M-30 422
67. Fales, Edward, Boston. Grate bars. BHE.—D 422
68. Falkenau, Arthur, Philadelphia.
a Pump 28-K-41 417
b Hoisting winch. 420
69. Falls Rivet & Mach. Co., Cuyahoga Falls, Ohio. Power transmitting machinery. 15-F-28 416
70. Farquhar, A. B., Co., York, Pa. Engines. 14-F-33 415
71. Fasoldt, E. C., Albany, N. Y. Air compressors. 15-E-27 418
72. Field Feed Water Purifier Co., Chicago. Heater and purifier. BH.—6 413
73. Flint & Walling M'fg Co., Kendallville, Ind. Iron pumps and pump goods. 27-J-35 417
For exhibit see page 444.
74. Floyd, James R., & Son, New York. Slide valve, valve stand and retort mouth-piece. 26-O-27 422
75. Franklin Portable Crane & Hoist Co. Franklin, Pa. Crane hoist. 26-O-30 420
76. Fraser & Chalmers, Chicago. Mining engine. 25-K-23 415
Engine PP.—F-A-14 415
77. Frick Co., Waynesboro, Pa. Ice machine. 26-O-30 424
78. Funk Steam Boiler & Iron Work Co., La Crosse, Wis. Feed water heater. OPH. 413
79. Gandy Belting Co., Baltimore. Belting. 15-J-27 416
80. General Electric Co., New York.
a Transmission of power. 1-N-33, 1-H-20, 1-C-9 416
b Electric pumps. 417
c Electric air compressor. 418
d Electric blowers and fans. 419
e Lifting magnets, electric hoists and traveling cranes. 420
81. Globe Light & Heat Co., Chicago. Gas machine 27-L-36 413
82. Golden State & Miners' Iron Works, San Francisco. Compound steam engine. 28-L-43 415
83. Goulds' M'fg Co., Seneca Falls, N. Y. Pumps. 8-B-47 417
84. Graton & Knight, Worcester, Mass. Belting. Dept. J.—A-4 416
85. Gray, Thos. F., Monroeville, Ohio. Elevator and grain scale. 26-O-29 420
86. Hanson, Thomas, New York. Hydraulic rams. 27-K-36 417
87. Hayden & Derby M'fg Co., New York. Injectors. 25-K-24 417
88. Hayes Pump & Planter Co., Galva, Ill. Force pumps, wind mills and power pumps. 27-L-34 417
89. Harrisburg Foundry & Machine Works Harrisburg, Pa. Engines. LS.—17-E-16 & 18-E-15 415
90. Heath, Laban & Co., Boston. Water shut off machine. 26-O-28 422
91. Heine Safety Boiler Co., St. Louis. Boilers. BH.—3 413
92. Hercules Iron Works, Chicago. Ice and refrigerating machines. Cold Storage and Dairy Bldg. 424
93. Hersey M'fg Co., So. Boston, Mass. Pumps. 31-T-53 417
94. Hoffman, J. G., Chicago. Hand fan blowers. 27-L-33 419
95. Ide, A. L., & Son, Springfield, Ill. Engines. PP.—D-A-9 415
96. Jarecki Mfg. Co., Erie, Pa. Brass and iron work, pipe fittings etc. 28-K-47 422
97. Jeffrey Mfg. Co., Columbus, Ohio. Conveyers, elevators, etc. 26-O-31 420
98. Jewell, O. H., Filter Co., Chicago. Water filter. 8-B-47 & Fisheries Bldg. 417
99. Johns, H. W., M'fg Co., Chicago. Pipe coverings. BH. 413
100. Johns, H. W., Mfg. Co., Chicago. Asbestos pipe covering. BH. 413

UNITED STATES.

101. Kane, Thos. & Co., Chicago. Engines. 15-F-30 415
102. Kearns, J. F. & Co., Chicago. Valves. 26-K-27 422
103. Knowles Steam Pump Works, New York. Pumping machinery. PP 417
104. Kroeschells & Bourgeois, Chicago. Feed water heater. BH. 413
105. Laidlaw & Dunn Co., Cincinnati. Pumps. BH.—5 417
106. Lake Erie Engineering Works, Buffalo, N. Y. PH.—Intr. R. R. 415
107. Lane & Bodley Co., Cincinnati. Engines. PP.—M-A-34 415
108. Lawrence Machine Co., Lawrence, Mass. Centrifugal pump. PP. 417
109. Leard, Wm. E., New Brighton, Iowa. Connecting rods and strap joints. 15-F-27 416
110. Lidgerwood M'fg Co., New York. Electric mining hoist. Dept. J; N-33 420
111. Limple M'fg Co., Esopus, N. Y.
a Boilers. 15-J-29 403
b Hydraulic ram. 414
c Pumps. 417
112. Lippincott, Chas. & Co., Philadelphia. Soda water machinery. 27-O-37 421
113. Liquid Carbonic Acid Mfg. Co., Chicago. Acid and machinery. 27-N-36 421
114. Maris & Beekley, Philadelphia. Cranes, hoists, etc. 26-O-30 420
115. Matthews, John, Apparatus Co., New York. Soda water machinery. 27-O-37 421
116. McEwen, J. H., Mfg. Co., Ridgeway, Pa. Engine. PP.—P-D-14 415
117. McGowan, John H., Co., Cincinnati. Pumps, compressors, etc. 27-K-36 417
118. McIntosh, Seymour & Co., Auburn, N. Y. Compound condensing engine. 415
119. Menasha Wood Split Pulley Co., Menasha, Wis. Wood pulleys. 26-M-28 416
120. Miller Steam Pump Co., Dixon, Ill. Pumps. BH.—5 417
121. Morgan Engineering Co., Alliance, O.
a Traveling crane. Dept. F 420
b Hydraulic fittings. M.P.—B.S. Ry 422
122. Morse Rotary Engine Co., Boston. Engine. 27-L-37 415
123. Myers, F. E. & Bro., Canton, Ohio. Hand pump. E-L-10 417
124. Myers, F. E., & Bro., Ashland, Ohio. Pumps. 27-K-34 417
125. National Electric Valve Co., Cleveland, Ohio. Electric valves. F. P. H. 422
126. National Meter Co., Brooklyn, N. Y. Gas engines, air compressor. 15-F-30 415
127. National Supply Co., Chicago. Fuel oil burners. PP.—Intramural R. R., S. C. W., O. P. S., etc. 413
128. National Water Tube Boiler Co., New Brunswick, N. J. Boiler and parts. W—O-D-S 413
129. New York Belting & Packing Co., New York. Belting, packing. 15-H-27 416
130. Nixon, Miles G., Chicago. Oil engine. 15-F-31 415
131. Norwalk Iron Works Co., South Norwalk, Conn. Air compressor. PP.—L-E-30 418
132. Nye, Geo. E., Chicago. Pumps. 26-K-30 417
133. Oberne, George & Co., Chicago. Belting. PP-8 416
134. Olsen, L. A., Oakland, Cal. Heater, purifier, steam generator. BH.—5 413
135. Oneida M'fg Chucks Co., Oneida, N. Y. Chucks and gears. 28-N-46 416
136. Osterlein, W., Cincinnati. Clutch pulleys and coupling. 15-J-28 416
137. Otto Gas Engine Works, Philadelphia. Gas engines. 15-H-31 415
 For exhibit see page 470.
138. Page Belting Co., Concord, N. H. Belting. 15-F-27 416
139. Payne, B. W., & Sons, Elmira, N. Y. Steam engine. 10-B-50 415
140. Pelton Water Wheel Co., San Francisco. Water wheel connected to dynamos. Dept. J 414
141. Perkins, H. H., M'fg Co., Kewanee, Ill. Force pump. E-R-11; Dept. A 417
142. Phoenix Iron Works Co., Meadville, Pa. Engines. PP.—C-D-7 415
143. Popham, Henry, & Son, East Newark, N. Y. Belting. 15-H-27 416
144. Preston, E. B., & Co., Chicago. Leather belting. 15-H-27 416
145. Priestman & Co., Philadelphia. Oil engine. 15-H-32 415
146. Providence Steam Engine Co., Providence, R. I. Compound engine. 28-L-44 415
147. Puffer, A. D., & Sons, Boston. Soda water machinery. 27-O-37 421
148. Racine Cement & Pipe Co., Racine, Wis. Sewer and culvert pipe. W—O-D-S 422
149. Reeves Pulley Co., Columbus, Ind. Pulleys. 15-H-27 416
150. Rifes Hydraulic Engine Mfg. Co., Roanoke, Va. Rams and model. 29-K-29 417
151. Reliance Gauge Co., Cleveland, Ohio. Alarm for steam boilers, floats for high pressure steam service and steam separators. BH.—3-5-7 413
152. Rider Engine Co., Walden, N. Y. Engines. 27-K-36 417
153. Roe Stephens Mfg. Co., Detroit, Mich. Valves, water gates; injectors. 26-M-29 417
154. Richardson, Chas. H., Gloucester, Mass. Ice crusher. 424
155. Ruble American Blower & Injector Co., Newark, N. J. Blowers, ventilators. 27-O-33 416
156. Russell & Co., Massillon, Ohio. Automatic engines. PP.—K 415
157. Sandwich Enterprise Co., Sandwich, Ill. Pumps, cylinders, tools. 27-K-34&Dept. A. 417
158. Sanford, B. H. & J., Sheboygan Falls, Wis. Turbine waterwheels. 14-J-35 414
159. Schieren, Chas. A., Chicago. Belting, stuffing, cement. 15-F-27 416
 For exhibit see page 692.
160. Schock, Gustav, New York. Beer machinery, malt mill, etc. 421
161. Schutte, L., & Co., Philadelphia. Condensers, etc. 26-M-27 419

DEPARTMENT F.—MACHINERY.

162. Secco, Henri, Boston, Mass. Lifting jack. 26-O-27 420
163. Sellers, William, & Co., Philadelphia. 15-J-38
a Electric traveling crane. South nave 420
b Power transmitting machinery. 416
164. Simplex Mfg. Co., New York. 15-J-29
a Automatic steam vacuum pumps. 412
b Combination pumps and high pressure test pumps. 417
165. Sioux City Engine Works, Sioux City, Iowa. Steam engine. PP 415
166. Smith, J. A. & Co., Chicago. Vegetable boiler compound. BH. E—D 413
167. Snow Steam Pump Works, Buffalo, N. Y. Pumps. OPH & BH—6 417
168. South Bend Pulley Co., South Bend, Ind. Pulleys. 15-J-27 416
169. Spidel, J. G., Reading, Pa. Derrick and chain hoists. PP. and in service 420
170. Stearns Mfg. Co., Erie, Pa. PP.—D-D-9
a Boilers. 413
b Engines. 415
171. Steele, E. B., Marlboro, Mass. Derrick. 26-M-30 420
172. Sterling Co., Chicago. Water tube safety boilers. BH.—7 413
173. Stilwell-Bierce & Smith-Vaile Co., Dayton, Ohio.
a Water wheels, etc. 14-J-37 414
b Steam pumps. 418
174. St. Joseph Pump Co., St. Joseph, Mo. Elevator and purifying pump. E-A-2 417
175. Thoens, Gerdes & Henderson, New Orleans. Ice machine. W—O-D-S 424
176. Thomas, Joshua, Cleveland, Ohio.
a Steam boiler. BH. 413
b Pump. 417
177. Toepfer, W., & Sons, Milwaukee, Wis. Beer-making machine. 27-O-35 421
178. Tuerk Bros., Chicago. Gas burners. 27-K-37 413
179. Tufts, James W., Boston. Soda water machinery. 27-O-37 421
180. Turner Machine Co., New York.
a Motors. 14-C-34 415
b Pumps. 417
c Compressors. 418
181. Tyler Tube & Pipe Co., Washington, Pa. Water tubes and charcoal iron blooms. W—O-D-S 422
182. Underwood Mfg. Co., Tolland, Conn. Belting and pulleys. PP.—15-J-28 416
183. Union Mfg. Co., Battle Creek, Mich. Pumps. 15-J-30 417
184. United States Wind Engine Co., Batavia, Ohio. Hand and power pumps. 417
185. Valley Iron Works Mfg. Co., Appleton, Wis.
a Water wheels. 14-2-33 414
b Clutches and pulleys. 416
186. Vannette Water Purifier Co., Tiffin, Ohio. Water elevator. E-A-5 417
187. Vulcan Brass Co., Cleveland, Ohio. Beer pumps, etc. 27-N-37 421
188. Walworth Mfg. Co., Boston. Valves, cocks, etc. 26-O-27 422
189. Ward, Charles, Charleston, W. Va. Marine boilers. BH. Annex 413
 For exhibit see page 1094
190. Watertown Steam Engine Co., Watertown, N. Y. Engine. PP.—O-E-40 415
191. Webster, Warren & Co., Philadelphia. Vacuum steam heating system. (In Service and Administration buildings.) Vacuum feed water heaters. BH. 417
192. Webster Mfg. Co., Chicago.
a Gas engines. 15-H-30 415
b Conveyer, elevator, etc. 416
193. Welch-Erwin Machinery Co., Chicago. Pumps, motors, etc. 14-I-34 420
194. Wells, F. C., Chicago. Pumps and engines. 26-K-28 417
195. Westinghouse, Church, Kerr & Co., New York. Engines. PP.—F-A-15 & G-A-19 415
196. Wheeler Condenser & Engineering Co., New York. Condensers. PP.—M-A-34 415
197. White & Middleton Gas Engine Co., Baltimore. Gas engines, etc. 27-N-34 415
198. White, Otis C., Worcester, Mass. Extension movement in ball and socket joints. 416
199. Williams Engine and Clutch Works, Beloit, Wis. Friction clutch. 8-B-47 416
200. Wilson, Snyder, Mfg. Co., Pittsburg, Pa. Pump. BH—5 417
201. Wilson F. Cortez & Co., Chicago. Oil filters and tanks. PH & PP 417
202. Wittemann Bros., New York. Bottler's machinery and supplies. 27-O-35 421
203. Wolf, Fred W., Co., Chicago. Refrigerating machines. Waukesha Hygeia Bldg. 424
204. Wood, R. D., & Co., Philadelphia.
a Gas apparatus. 15-F-30 413
b Hydraulic tools. 420
205. Worthington, Henry R., New York. Pumps, condensers, water meters. 15-J-28 418
206. Yale & Towne M'fg Co., Stamford, Conn. Electric traveler and hoist and chain blocks. 15-F-28 & Central runway. 420
207. Yawman & Erbe, Rochester, N. Y. Bottle washing apparatus. 27-N-35 421
208. Yeakley M'fg Co., Cleveland, Ohio.
a Engine. 28-L-45 415
b Injector. 417
209. Zwietusch, Otto, Milwaukee, Wis. Soda water apparatus. 27-O-35 421

GROUP 70.

Fire Engines, Apparatus and Appliances for Extinguishing Fire.

210. American Fire Engine Co., Seneca Falls, N. Y. Fire engine house. A-44
a Steam fire engines. 415
b Hose cart and fire dept. supplies. 426
211. Boyle, H. L., & Calleton, J. H., Grand Rapids, Mich. Traction truck. 8-A-48 426
212. Coburn Trolley Track Mfg. Co., Holyoke, Mass. Store ladders, fire escapes. Dept. G 427
213. Doolittle, Irvin P., Los Angeles, Cal. Lightning hose couplings and bands. 8-A-49 426
214. Eastman, Samuel & Co., East Concord, N. H. Fire hose, nozzles, etc. 8-A-49 426

UNITED STATES.

215. Fire Extinguisher Mfg. Co., Chicago.
a Hook and ladder truck. FEH 427
b Fire extinguishers. 429
216. General Fire Extinguisher Co., Providence, R. I. Automatic sprinkler equipment. P-S 428
217. Harden Hand Fire Extinguisher Co., Chicago. Fire extinguishers. 8-A-41 429
218. Kansas City Fire Dept., Kansas City, Mo. Water tower.
 Fire engine house. 428
219. Lindgren-Mahan Chemical Fire Engine Co., Chicago. Chemical fire engine and fire extinguishers. 8-A-42 429
220. Mellert Foundry & Machine Co., Reading, Pa. Fire hydrant. 26-M-30 428
221. Miller Chemical Engine Co., Chicago. Chemical fire extinguishers. 8-A-43 429
222. Preston, E. B., & Co., Chicago. Fire hose, brass goods. 15-H-27 426
223. Waterbury Rubber Co., New York. Spring steal armoured hose. 8-A-47 426

GROUP 71.

Machine Tools and Machines for Working Metals.

224. Acme Machinery Co., Cleveland, Ohio. Machinists' tools. 13-I-47 433
225. American Improved Wrench Co., Boston. Metal working machines. 29-K-50 433
226. American Screw Co., Providence, R. I. Screw making machines. 29-K-50 433
227. American Standard Gauge & Tool Works, Wilmington, Del. Machinists' tools. 28-K-38 430
228. Armstrong Mfg. Co., Bridgeport, Conn.
a Steam fitters' tools. 29-K-52 430
b Treading, cutting machines. 433
229. Barnes, W. F. & John, Co., Rockford, Ill. Lathes, drills, etc. 8-K-48 433
230. Beamman & Smith, Providence, R. I. machinery and tools. 28-K-47 433
 For exhibit see page 485.
231. Beaudry Tool Co., Boston. Power hammers and forging presses. BHE. 432
232. Besly, Charles H., & Co., Chicago. Metal working machinery. 13-I-49 433
233. Bethlehem Iron Co., Bethlehem, Pa. Steam hammer and hydraulic forging. Dept. G 432
234. Billings & Spencer Co., Hartford, Conn.
a Machinists' small tools. 430
b Drop forgings. 432
235. Blake, George F., Mfg. Co., New York. Pumps, condensers. 15-J-31 433
236. Bliss, E. W., Co., Brooklyn, N. Y. Metal working machines. 28-L-42 433
237. Bonney Rapid Vise Co., Marion, Ind. Vises, lathes, etc. 29-K-50 430
238. Brainard Milling Machine Co., Hyde Park, Mass. Milling machines. 28-K-38 433
239. Brown & Sharp Mfg. Co., Providence, R. I.
a Machinists' small tools. 13-J-46 430
b Metal working machines. 433
240. Buckeye Iron & Brass Works, Dayton, Ohio. Metal working machines. 28-K-44 433
241. Canedy-Otto Mfg. Co., Chicago. Portable forges, blowers, vises, drills, screw plates, anvils and blacksmith tools. 13-Q-38 430
242. Capitol Mfg. Co., Chicago. Metal working machines. 28-L-41 433
243. Carpenter, J. M., Tap & Die Co., Pawtucket, R. I. Taps and dies. 13-J-46 430
244. Christy Knife Co., Fremont, O. Knife-handle, press and slotting machines. 13-J-38. 432
245. Cleveland Twist Drill Co., Cleveland, Ohio. Drills, taps, reamers, cutters, etc. 29-L-50 430
 For exhibit see page 433.
246. Darling, Brown & Sharpe, Providence, R. I. Tools for machinists. 13-I-46 430
247. Detrick & Harvey Machine Co., Baltimore. Open side planers. 13-J-41 433
248. Eaton, Geo. H., & Co., Boston, Mass. Presses and shears for working sheet metal. 13-Q-48 433
249. Falkenau, Arthur, Philadelphia. Metal working machines. 28-K-41 433
250. Farquhar Heating Co., Chicago. Riveting and grinding machines. 13-J-40 433
251. Ferracute Machine Co., Bridgeton, N. J. Metal working machines. 13-J-42 433
252. Fisher Clark, Trenton, N. J. Anvils, vises, etc. 29-K-52 432
253. Flather & Co., Nashua, N. H. Lathes, planers, etc. 28-K-38 433
254. Fox Machine Co., Grand Rapids, Mich. Iron working machinery. 13-J-43 433
255. General Electric Co., New York. Turning device. Dept. J 433
256. Gisholt Machine Co., Madison, Wis. Turret lathes, etc. 28-K-49 433
257. Hackney Hammer Co., Cleveland, Ohio. Forging hammers. 10-D-52 432
258. Hatch Hammer Co., So. Milwaukee, Wis. Drop hammers and power presses. 10-A-53 432
259. HندیMachine Co., Torrington, Conn. Iron working machine tools. 28-K-39 433
260. Hilles & Jones Co., Wilmington, Del. Metal working machines. 12-J-53 433
261. Horton, E., & Son Co., Windsor Locks, Conn. Lathe and drill chucks. 29-K-52 430
262. Hurlbut-Rogers Machine Co., South Sudbury, Mass. Cutting-off lathes. 28-K-38 433
263. International Steel Post Co., Chicago. Rolling machine and punches. 10-E-51 433
264. Jarecki Mfg. Co., Erie, Pa. Threading machines. 28-K-47 433
265. Jones & Lamson Machine Co., Springfield, Vt. Flat turret lathe and spindle hole screw machine. 28-L-48 433
266. Jones & Lamson Machine Co., Springfield, Vt. Turret lathes. 28-L-48 433
267. Landis Bros., Waynesboro, Pa. Grinding machines. 28-K-38 433

DEPARTMENT F.—MACHINERY.

268. Lidbuck, John A., & Son, Portland, Me. Combination machine tool, sharper, milling, turret lathe, boring and drilling machine. 10-B-53 & Sec. 28 433
269. Lodge & Davis Machine Tool Co., Cincinnati. Lathes, planers, etc. 28-K-42 433
270. Long & Allstatter Co., Hamilton, Ohio. Punching and shearing machinery. 28-L-46 433
271. Merrill Bros., Brooklyn, N. Y. Drop hammer and trimming press; drop forging machines, etc. Dept. J; D-2 432
272. Miller's Falls Co., Miller's Falls, N.H. Mechanics' tools and hardware. 29-K-L 430
273. Morse Twist Drill & Machine Co., New Bedford, Mass. Machinists' tools. 29-L-50 430
274. Morton Mfg. Co., Muskegon Heights, Mich. Cutters, key maker and iron shaper. 28-J-43 433
275. Narragansett Machine Co., Providence, R. I. Foot power. 28-L-44 433
276. National Machinery Co., Tiffin, Ohio. Bolt and nut machinery. 28-K-46 433
277. Niagara Stamping & Tool Co., Buffalo, N. Y. Tools and machines for sheet metal. 28-L-46 433
For exhibit see page 489.
278. Niles Tool Works Co., Hamilton, Ohio. Machine tools. 12-J-50 430
279. Norton & Jones Machine Tool Works, Plainville, Conn. Light machine tools. 13-G-40 430
280. Oneida Mfg. Chuck Co., Oneida, N.Y. Lathe and drill chucks. 28-N-46 430
281. Parker, Chas., Co., Meriden, Conn. Machinists' iron vises. 29-K-53 430
282. Pond Machine Tool Co., Plainfield, N. J. Lathes, planers, drills. MS. 433
283. Pratt & Whitney Co., Hartford, Conn. Machine tools, gun-making machines; small tools. 13-J-44 433
284. Prentice Bros., Worcester, Mass. Metal-working machines 28-K-38 433
For exhibit see page 484.
285. Quint, A. D., Hartford, Conn. Drilling machine. 28-J-43 433
286. Reed, F. E. & Co., Worcester, Mass. Lathes. MS. 433
287. Saunders', D., Sons, Yonkers, N. Y. Cutting and threading tools. MS. 430
288. Soley, George B., United States Mint, Philadelphia. First steam coining press used by United States government. 26-O-31 433
289. Standard Tool Co., Cleveland, Ohio. Machinists' small tools. 29-J-53 430
For exhibit see page 679.
290. Stiles & Parker Press Co., Brooklyn, N. Y. Wheel presses and drop hammer. 13-J-40 432
291. Tuerk Bros., Chicago. Pneumatic metal-pressing machines. 27-K-37 433
292. Walsh, J. C., Chicago. Tools for brazing and soldering. B.H. E—D 430
293. Warner & Swasey, Cleveland, Ohio. Machine tools. 13-J-48 433
294. Weels Machine Works, Toledo, Ohio. Threading and cutting machines. 13-I-40 433
295. Weldless Steel Chain Co., Chicago. Chain rolling machines. BHE. 432
296. Westcott Chuck Co., Oneida, N. Y. Lathe and drill chucks. MS. 433
297. Williams, J.H., & Co., Brooklyn, N.Y. Special drop-forgings from iron, steel, copper and bronze. 432
298. Yeakley M'f'g Co., Cleveland, Ohio. Pneumatic hammers. 28-L-45 432

GROUP 72.

Machinery for the Manufacture of Textile Fabrics and Clothing.

299. Ætna Boot & Shoe Hardware Co., Unionville, Conn. Boot and shoe heel nailing machine. S. & L. Bldg. 446
300. Altemus, W. W., & Son, Philadelphia. Textile machinery. 28-N-45 435
301. American B. H.O. & Sewing Machine Co., Philadelphia. Sewing machines. 32-P-47 444
302. American Card Clothing Co., Providence, R. I. Card setting machinery and card clothing. 28-N-47 436
303. American Heeling Machine Co., Brockton, Mass. Lighting heeling machine. S. & L. Bldg. 446
304. Atwood Machine Co., Stonington, Conn. Silk goods machine. 28-O-49 434
305. Baker & Therlin, Saratoga Springs, N. Y. Bellows bottom suction screen. 8-B-47 440
306. Barton M'f'g Co., New York. Rubber stamp machinery. 32-Q-45 441
307. Beloit Iron Works, Beloit, Wis. Paper making machine. Sec. 8, B-E-47-49 440
308. Bertrand Lock-Stitch Sewing Machine Co., Boston. Sewing machines. S. & L. Bldg. 444
309. Best, Jno., & Co., Paterson, N. J. Art silk weaving. 29-O-50 434
310. Branson Machine Co., Philadelphia. Knitting machines. 30-P-50 437
311. Brett, Henry W., Boston. Shoe-upper cementing machine. S. & L. Bldg. 446
312. Butterworth, H. W., & Sons Co., Philadelphia. Tenting and drying machine. 30-P-51 436
313. Cheney Bigelow Wire Works, Springfield, Mass. Wire for paper making. 8-B-47 440
314. Crompton Loom Works, Worcester, Mass.
a Looms for silk goods. 32-P-40 434
b Looms for cotton goods. 435
c Looms for woolen goods. 436
d Worsted working machinery and noble comb, coiler and baller. 437
315. Crompton Loom Works, Worcester, Mass.
a Silk looms. 28-O-42 434
b Cotton looms. 435
c Woolen looms. 436
316. Dennison M'f'g Co., Chicago. Tag making machine. 28-N-42 440
317. Downingtown M'f'g Co., Downingtown, Pa. Duplex beating engine. 8-B-47 440
318. Electrical Machine Co., Chicago. Cloth cutting machine. Dept. J; Y-36 442
319. Elliott Button Fastener Co., Grand Rapids, Mich. Button-attaching machine. S. & L. Bldg. 446

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320. Felton, S. A., & Son Co., Manchester, N. H. Boot and shoemakers' brushes. S. & L. Bldg. 446
321. Fenno, Isaac, Boston. Cloth cutting machine. 29-O-52 442
322. Foster Machine Co., Westfield, Mass. Creel and warper, carpet machine and winders. 28-O-45 443
323. Gardner Sewing Machine Co., Aurora, Ill. Sewing and folding machines. 32-O-49 444
324. Globe Buffer Co., Boston. Shoe machinery. S. & L. Bldg. 446
325. Goodyear Shoe M'fg Co., Boston. Shoe machines. S. & L. Bldg. 446
- 325a. Hallawell, James, North Vernon, Ind. Hub blocks and hub block machinery. 14-I-35 449
326. Home Embroidery Machine Co., Kansas City, Kas. Embroidery machine, with samples. 443
327. Humphrey M'fg Co., Towanda, Pa. Shoe lining marker. S. & L. Bldg. 446
328. Jones, Lewis, Bristol, Pa. Mixed fabrics machine. 30-O-52 442
329. Kitson Machine Co., Lowell, Mass. Cotton goods machine. 28-O-40 435
330. Knowles Loom Works, Worcester, Mass.
a Silk looms. 434
b Cotton looms. 435
c Woolen looms. 436
d Looms for mixed fabrics. 442
331. Lacing Stud Co., Boston. Stud setting machine. S. & L. Bldg. 446
332. Leeson, J. R., Co., Boston. Thread winding machine. S. & L. Bldg. 446
333. Littleton, S. M., Brockton, Mass. Seat wheel machine. S. & L. Bldg. 446
334. Lowell Machine Shop, Lowell, Mass. Cotton goods machine. 28-O-40 435
335. Lufkin, R. H., Boston. Vamp folding machines. S. & L. Bldg. 446
336. Mannion, J. J., & Co., Pittsburg, Pa. Silk looms. 28-O-42 434
337. Marshall Engine Co., Turner's Falls, Mass. Perfecting engine. 8-B-47 440
338. McKay Metallic Fastening Ass'n, Boston. Screw machine, nailer and slugger, strip tacker, etc. S. & L. Bldg. 446
339. McKay & Bigelow, Boston. Heel compressing machine. S. & L. Bldg. 446
340. Milwaukee Brass & Copper Works, Milwaukee, Wis. Parts of paper mill plant. 8-B-47 440
341. Mitchell, Wm. H., Chicago. Embroidery, perforating and sewing machines. 30-O-51 443
342. National Sewing Machine Co., Belvidere, Ill. Sewing machine. 32-P-41 444
343. Naumkeag Buffing Machine Ass'n, Beverly, Mass. Machine and covers. S. & L. Bldg. 446
344. North Press Co., Chicago. Tag machine. 32-Q-42 440
345. Osborne, H. F., Newark, N. J. Tools and machinery for saddle and harness making. S. & L. Bldg. 445
346. Phoenix Mfg. Co., Paterson, N. J. Exhibit of silk throwing and manufacture of silk fabrics. 28-O-49 434
347. Potter & Atherton Machine Co., Pawtucket, R. I. Cotton machinery. 28-O-43 435
348. Reece Buttonhole Machine Co., Boston. Buttonhole machinery. 32-P-42 444
349. Roach, M. J., Anderson, Ind. Metallic steam joint for paper machine. 8-B-47 440
350. Rockingham Machine Co., Exeter, N. H. Boot and shoe machinery. S. & L. Bldg. 446
351. Sawyer Leather Machinery Co., Boston. Leather measuring machine. S. & L. Bldg. 445
352. Schaum & Uhlinger, Philadelphia. Silk machine. 28-O-49 434
353. Shuler & Benninghofen, Hamilton, Ohio. Felts and jackets. 8-B-47 440
354. Singer M'fg Co., New York. Sewing machines for leather work. 32-P, 45 & S. & L. Bldg. 444
355. Smith, F. A., Baltimore. Fibre machine. 29-O-53 439
356. Standard Sewing Machine Co., Cleveland, O. Sewing machines. 32-P-43 444
357. Stanley M'fg Co., Boston. Boot and shoe machines. S. & L. Bldg. 446
358. Standard Rivet Co., Boston. Rivets and studs and machines for driving same. S. & L. Bldg. 446
359. Star & Crescent Mills Co., Philadelphia. Looms for Turkish towel weaving. 29-N-50 442
360. Steele, A. H., Worcester, Mass. Weaving batton, shuttles, etc. 32-O-49 442
361. Sternbergh, J. H., & Son, Reading, Pa. Belt-lacing machines. 32-P-49 444
362. Tubular Rivet Co., Boston. Rivets and rivet setting machines. S. & L. Bldg. 446
363. Union Heel Trimmer Co., Boston. Boot and shoe heel trimming machine. S. & L. Bldg. 446
364. Union Special Sewing Machine Co., Chicago. Sewing machines. 29-P-48 444
365. Vaughn Machinery Co., Salem, Mass. Hide and leather working machinery. S. & L. Bldg. 445
366. Western Screen Plate Works, Appleton, Wis. Screen plates. 8-B-47 440
367. Weyburn Special Machine Co., Chicago. Knitting, cutting and cementing machines. 28-O-47 442
368. Williams M'fg Co., Kalamazoo, Mich.
a Stuff chests. 8-B-47 440
b Sewing machines. 32-O-40 444
369. Willimantic Linen Co., of Hartford, Conn., Willimantic, Conn. Cotton thread machinery. 28-O-45 435
 For exhibit see page 431.
370. Wire Grip Fastening Co., Boston. Slugging and nailing machines. S. & L. Bldg. 446

GROUP 73.

Machines for Working Wood.

371. Allis, Edw. P., Co., Milwaukee, Wis. Saw mill. 30-Q-50 448
 For exhibit see page 450.
372. American Machine Co., Detroit, Mich. Pattern makers' machine. 10-E-50 449

DEPARTMENT F.—MACHINERY.

373. American Wood Decorating Machine Co., New York. Embossing machine. 13-F-45 449
374. Art Embossing Machine Co., Indianapolis, Ind. Wood embossing machine. 14-F-33 449
375. Atkins, E. C., & Co., Indianapolis, Ind. Mill supplies. 14-G-34 449
376. Beach, Henry Lloyd, Montrose, Pa. Sawing machinery; saw gauges. B-E-44 447
377. Berlin Machine Works, Beloit, Wis. Wood working machinery. 13-F-42 449
378. Buss Machine Works, Grand Rapids, Mich. Wood working machines. 12-G-53 449
379. Campbell Barrel Machine Co., Baltimore. Barrel machine. SMB.—4-2d floor 449
380. Chicago Rapid Roofing Co., Chicago. Shingling machine. S. M. B.—4 449
381. Covel M'fg Co., Chicago. File room machinery. SMB.—4-2d floor 448
382. Cunningham, E. E., Worcester, Mass. SMB.—4-2d floor. 447
a Band saw blades and jig saws. 447
b Filing, setting and brazing machines. 448
383. Disston, Henry, & Sons, Philadelphia. Saws and tools. 14-F-34 447
 For exhibit see page 483.
384. Doig, Wm. S., Brooklyn, N. Y. Box nailing machines. 13-F-44 449
385. Dubuque Specialty Machine Works, Dubuque, Iowa. Mortising machines. 12-E-53 449
386. Egan Co., Cincinnati. Machinery for car shops, etc. 13-F-46 449
387. Enterprise M'fg Co., Columbiana, Ohio. Portable saw-mill. SMB.—4-2d floor 448
388. Fay, J. A., & Co., Cincinnati. Machinery for navy yards, etc. 13-F-38 449
389. Folding Sawing Machine Co., Chicago. Sawing machine. SMB.—4-1st-floor 449
390. Fox Machine Co., Grand Rapids, Mich. Wood working machinery. 13-J-43 449
391. Garland, M., Bay City, Mich. Half center deck, log roller and deck stop. SMB.—1-1st floor 448
392. Goehring, Charles L., Allegheny, Pa. Moulding and carving machines. 14-F-35 449
393. Goodell & Waters, Philadelphia. Wood-working machinery. 13-G-44 449
394. Greenlee Bros. & Co., Chicago. Wood-working machinery. 13-F-48 449
395. Grier, W. W., Verona, Pa. Ingraining machine. 12-E-53 449
396. Hall & Brown Wood Working Machine Co., St. Louis. Planing, matching machines, etc. 12-F-51 449
397. Hallawell, James, North Vernon, Ind. Woodworking machinery. 14-I-35 449
398. Hill, W. E., & Co., Kalamazoo, Mich. Steam log turner. SM. 448
399. Holmes, E. & B., Buffalo, N. Y. Woodworking and barrel machinery. 12-F-50 449
400. Houston, Levi, Montgomery, Pa. Wood working machines. 13-J-41 449
401. Luce, James R., Stevens Point, Wis. Circular saw. 14-F-32 447
402. Milwaukee Carving Co., Milwaukee, Wis. Wood working machines. 13-G-44 449
403. Mitts & Merrill, Saginaw, Mich. Edging grinders. SM. 448
404. Moore Carving Machine Co., Minneapolis, Minn. Wood carving machine. 14-G-34 449
405. Moseley & Co., Elgin, Ill. Bench lathes, etc. 32-Q-42 449
406. Narragansett Mch. Co., Providence, R. I. Foot-power circular saw. 28-L-44 447
407. Novelty Iron Works, Dubuque, Iowa. Shingle machinery. SMB.—4-2d floor 448
408. Plumer, N., Durand, Wis. Wood-sawing machine. SMB.—Sec. 4 447
409. Prybil, Paul, New York. Saws, planers, etc. 13-F-42 449
410. Rohlmann M'fg Co. Wood-carving machine. 14-B-32 449
411. Simonds Mfg. Co., Fitchburg, Mass. Saws-and-machine-knives. 14-I-35 448
412. Smith, H. B., Machine Co., Smithville, N. J. Wood working machinery. 13-F-41 449
413. Smith & Phillips M'fg Co., Chicago. Woodworking machinery. S. M. B.—3-1st floor 449
414. Stearns Mfg. Co., Erie, Pa. Saw mill machinery. SM. 448
415. Valley Iron Works Mfg. Co., Appleton, Wis. Sawing machines, etc. 14-G-33 449
416. White, The John A., Co., Dover, N. H. Woodworking machinery. 10-E-50 449
417. Woods, S. A., Machine Co., Boston. Wood working machinery. 14-F-35 449

GROUP 74.

- 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-38 462
419. American Type Founders' Co., New York. Casting machines. 33-T-40 545
420. Avery & Burton, Chicago. Perforating machinery. 34-P-36 468
421. Babcock Printing Press Mfg. Co., New London, Conn. Printing presses. 34-P-34 450
422. Barnhart Bros. & Spindler, Chicago. *a* Old Ramage press. 33-T-38 450
b Type casting machines. 455
423. Brown Folding Machine Co., Erie, Pa. Folding machines. 32-S-39 468
424. Brown, R. H., & Co., New Haven, Conn. Wire stitching machinery. 34-P-36 460
425. Burrell, D. H., & Co., Little Falls, N. Y. Paper feeding machines. 34-P-36 468
 For exhibit see page 770.
426. Campbell Printing Press Mfg. Co., New York. *a* Printing presses. 36-P-30 450
b Paper foting machinery. 468
427. Chamber Bros. Co., Philadelphia. Paper folding machines. 34-P-36 468
428. Child Acme Cutter & Press Co., Boston. Paper cutting machines. 34-P-36 462

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429. Connecticut Co., New York. Type-setting machine. 34-P-35 455
430. Cottrell, C. B., & Sons, Westery, I. Printing presses. 34-P-36 450
For exhibit see page 773
431. Dexter Folder Co., Fulton. Folding machinery. 32-S-41 468
432. Duplex Printing Press Co., Battle Creek, Mich. Printing presses. 36-P-31 450
433. Elliott Machine Co., Newton, Mass. Thread stitching machine. 34-P-36 460
434. Golding & Co., Boston.
a Printing presses. 35-T-34 450
b Paper folders, etc. 468
435. Goss Printing Press Co., Chicago. Newspaper perfecting presses. 37-P-22 450
436. Hamilton Mfg. Co., Two Rivers, Wis. Printers' material. 33-T-39 463
437. Hoe, R., & Co., New York. Printing presses. 37-P-21 450
438. Hickok, W. O., Mfg. Co., Harrisburg, Pa. Bookbinders' machinery. 34-S-35 460
439. Howard Iron Works, Buffalo, N. Y. Paper cutters. 36-P-29 462
440. International Typograph Co., Cleveland, Ohio. Type setting and type line casting machine. 34-S-34 455
441. Johnson Peerless Works, New York.
a Job presses. 35-T-35 452
b Paper cutters, etc. 462
442. Keck, C., & Co., Cincinnati. Beveling machine. 34-P-36 468
443. Kelsey Press Co., Meriden, Conn. Printing presses. 36-P-29 450
444. Lanston Monotype Machine Co., Washington, D. C. Monotype machine. 34-S-33 452
445. Liberty Machine Works, New York. Printing presses. 35-T-36 452
446. Lieb Machine Works, Chicago. Embossing and inking presses. 34-P-36 468
447. McAdams, John, & Sons, Brooklyn. Printing machinery. 32-S-42 468
448. McIndoe Bros., Boston. Cylinder job presses. 36-O-30 452
449. Mergenthaler Linotype Co., New York. Type-setting machine. 34-S-33 455
450. Miehle Printing Press and Mfg. Co., Chicago.
a Printing press. 34-Q-33 450
b Paging machine. 468
For exhibit see page 638.
451. Potter, C., Jr. & Co., New York. Printing presses. 37-P-24 450
452. Printers' Exchange Co., New York.
a Type making machinery. 34-P-3 455
b Paper cutters. 462
c Cabinets, stands, etc. 463
d Printing machinery. 468
453. Prouty Co., Chicago. Printing presses. 34-S-34 450
454. Rosback, F. P., Chicago. Toilet paper machine. 32-Q-39 468
455. Sanborn, Geo. W., & Sons, Mystic, Conn.
a Paper cutting machines. 32-S-40 462
b Embossing press. 468
456. Scott, Walter, & Co., Plainfield, N. J.
a Printing presses. 36-P-27 450
b Stereotype machines. 459
c Paper cutters. 462
d Folding machines. 468
For exhibit see page 637.
457. Seybold Machine Co., Dayton, Ohio. Book binding machinery. 34-P-36 460
458. Sheridan, T. W. & C. B., New York. Book binding machinery. 34-P-35 460
459. Shniedewend & Lee Co., Chicago.
a Printing presses. 35-T-34 450
b Job presses. 452
c Electrotypers' machines. 458
d Paper cutters. 462
460. Smyth Mfg. Co., Hartford, Conn. Book-sewing machines. 34-P-36 460
461. Standard Matrix Machine Co., St. Louis. Type setting machine. 34-Q-33 455
462. Thorne Typesetting Machine Co., Hartford, Conn. Typesetting machine. 34-Q-34 455
463. Thomson, John, Press Co., New York. Printing presses. 35-T-33 450
464. Walker, W. G., & Co., Madison, Wis. Printing presses. 34-P-32 450

GROUP 75.

Lithography, Zincography and Color Printing.

465. Duplex Color Disc Co., Chicago. Duplex color ink plate for printing presses. 35-T-37 469
466. Scott, Walter, & Co., Plainfield, N. Y. Lithographic distribution presses. 37-P-25 469

GROUP 76.

467. Cooper, E. Russell, Chicago. Sign painting machine. 32-S-45 478
468. Ewen, Warren, Jr., & Co., Chicago. Multi-color process exhibit. 32-S-45 474

GROUP 77.

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

469. Acme Machine Co., Moline, Ill. Dish-washing machines. 32-Q-47 484
470. American Road Machine Co., Kennett Square, Pa. Road-making machines. W—Outdoor 488
471. American Street Cleaning Machine Co., Sag Harbor, N. Y. Street cleaning machine. W—Outdoor 488
472. Ashcroft Mfg. Co., New York. Machinery appliances. 25-K-24 489
473. Blakeslee, G. S., Co., Chicago. Dishwasher machine. Casino 484
474. Bowsher, N. P., South Bend, Ind. Speed or motion indicators. 8-B-47 489
475. Bristol's Mfg. Co., Waterbury, Conn. Machinery appliances. 25-N-24 489
476. Chicago Fire Proof Covering Co., Chicago. Mineral, wool and other steam pipe and boiler coverings. BHE. 489
477. Cochrane, Josephine, Park Manor, Ill. Dish-washing machine. Exposition restaurants 484
478. Columbian Metallic Rod Packing Co., Philadelphia. Metallic packing. 15-F-31 489
479. Consolidated Mfg. Co., Philadelphia. Brush machine, brushes, etc. 25-O-25 486

DEPARTMENT F.—MACHINERY.

480. Crosby Steam Gage and Valve Co., Boston. Steam gages, safety valves, etc. 25-K-22 486
481. Crown Pen Co., Chicago. Pen making machinery. 25-K-25 486
482. Dannmeyer, M., New York. Laundry machinery. 32-Q-41 484
483. Davis-Creswell M'fg Co., Denver, Col. Lawn hydrants and street washers. 488
484. Delahanty Dyeing Machine Co., Philadelphia. Machinery for dyeing fibres. 30-P-50 486
485. Detroit Lubricating Co., Detroit, Mich. Oil cups, valves, etc. 25-M-25 489
486. Donnell, E. P., M'fg Co., Chicago. Wire stitching machines and index cutter. 30-P-53 483
487. Electro Automatic Appliance Co., Chicago. Automatic engine stop. 28-L-44 489
488. Falkenau, Arthur, Philadelphia. Tablet compressing machine. 28-K-41 485
489. Faneuil Watch Tool Co., Boston. Watchmakers' lathes, etc. 32-Q-41 480
490. Fisher Governor Co., Marshalltown, Ia. Governors. 25-M-24 489
491. Fuel Economizer Co., Matteawan, N. Y. Fuel economizer. PH.W.D.Ry. 489
492. Geneva Optical Co., Chicago. Drill, lens and prism measure, grinder. 32-S-47 486
493. Goodsell Packing Co., Chicago. Engine packings, etc. 14-I-32 489
494. Hardy, F. A., Chicago. Machines for grinding lenses and fitting them to the eye. 32-Q-47 486
495. Harrisburg Foundry & Machine Works, Harrisburg, Pa. Steam road rollers. W—Outdoor. 488
496. Hawarden Furnace Grate Co., Hawarden, Ia. Furnace grate. 489
497. Hersey M'fg Co., Boston. Soap machinery. 31-T-53 486
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- 45. Crees & Co., Devizes. Dish washing machines.

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- 48. Hudson, C. & J. S., Stockton-on-Tees. Wall paper trimming and pasting machine, label pasting machine. 486
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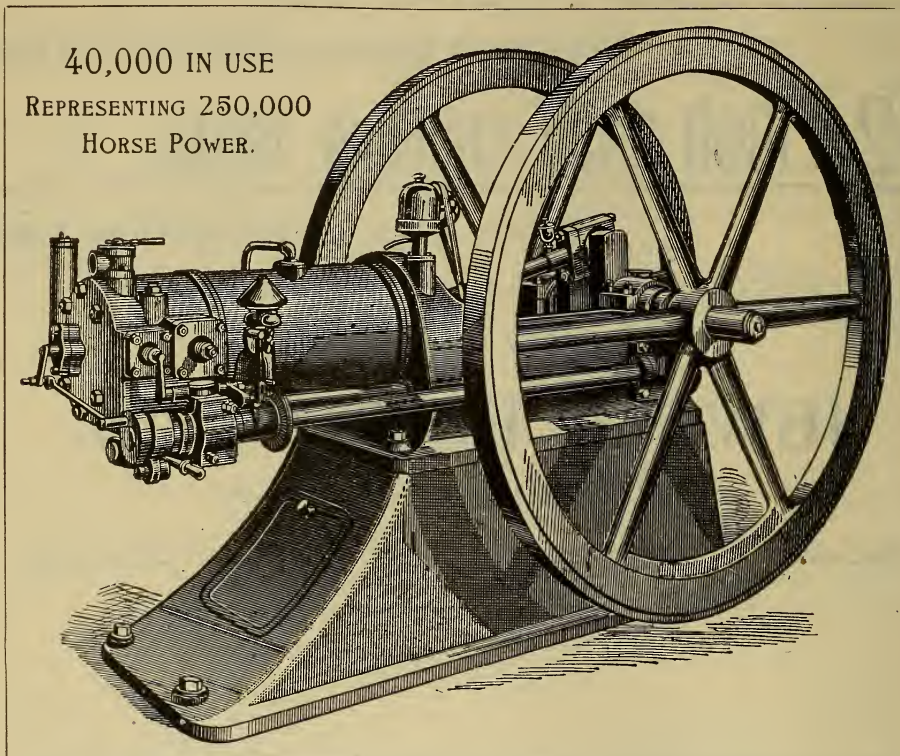
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Authorized Capital, - - - - -	\$1,250,000
Subscribed Capital, - - - - -	750,000
Paid-up Capital, - - - - -	375,000
Assets (January 1, 1893), - - - - -	1,089,219
Surplus above Capital and all Liabilities, - - - - -	487,455
Surplus to Policy-holders, - - - - -	862,455

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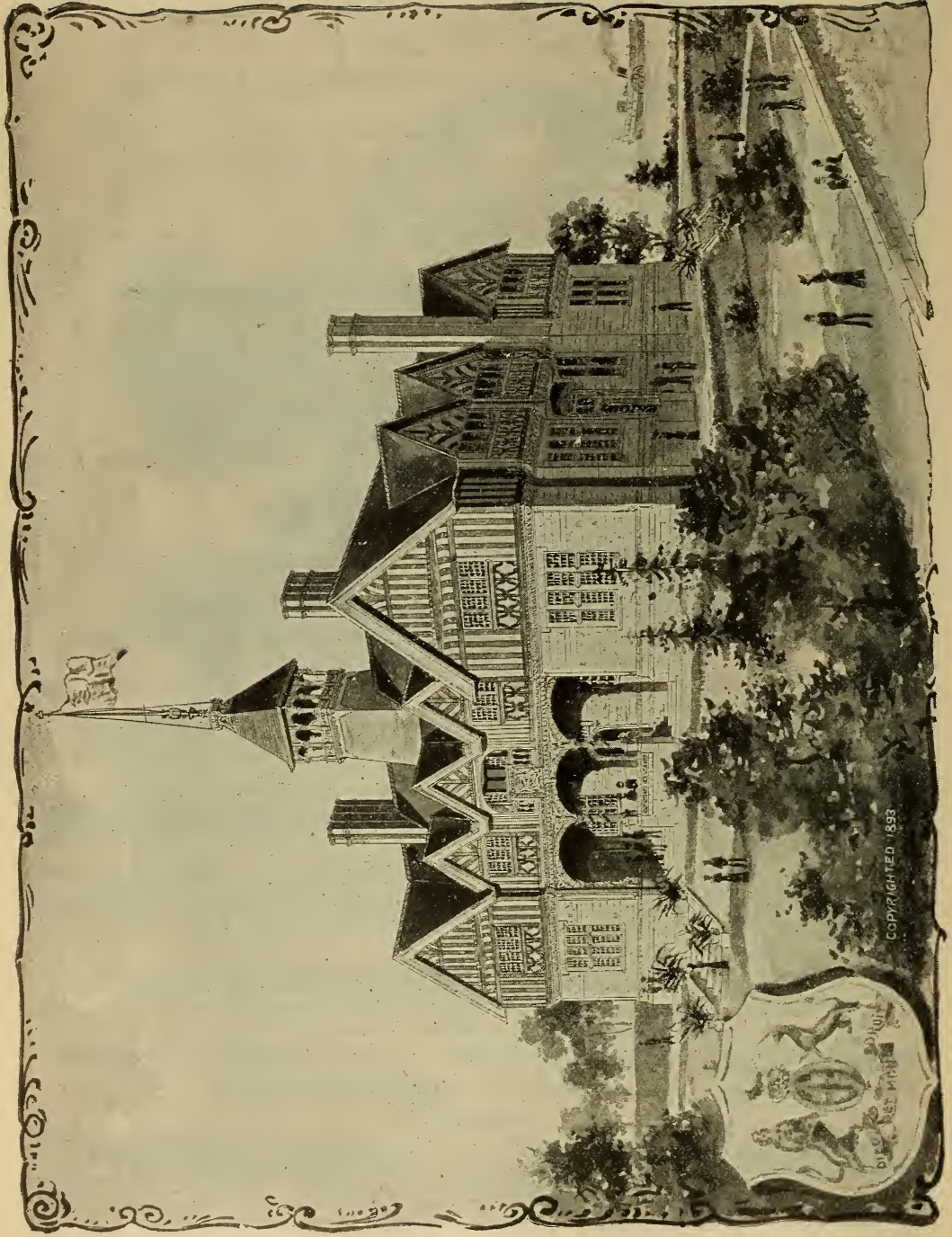
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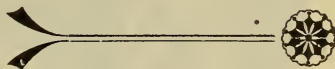
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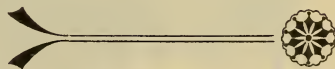
Schiller building, Randolph St., between Clark and Dearborn Sts.
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The Women's Temple building, corner Monroe and La Salle Sts.
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Tentonic building, corner Washington St. and Fifth Ave.
Masonic Temple building, corner Randolph and State Sts.
Columbus building, corner State and Washington Sts.
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The Kathadin building, southwest corner Dearborn and Van Buren Sts.

The Great Northern Hotel building, corner Dearborn, Quincy and Jackson Sts.
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The Chicago Herald building, on Washington, near La Salle St.
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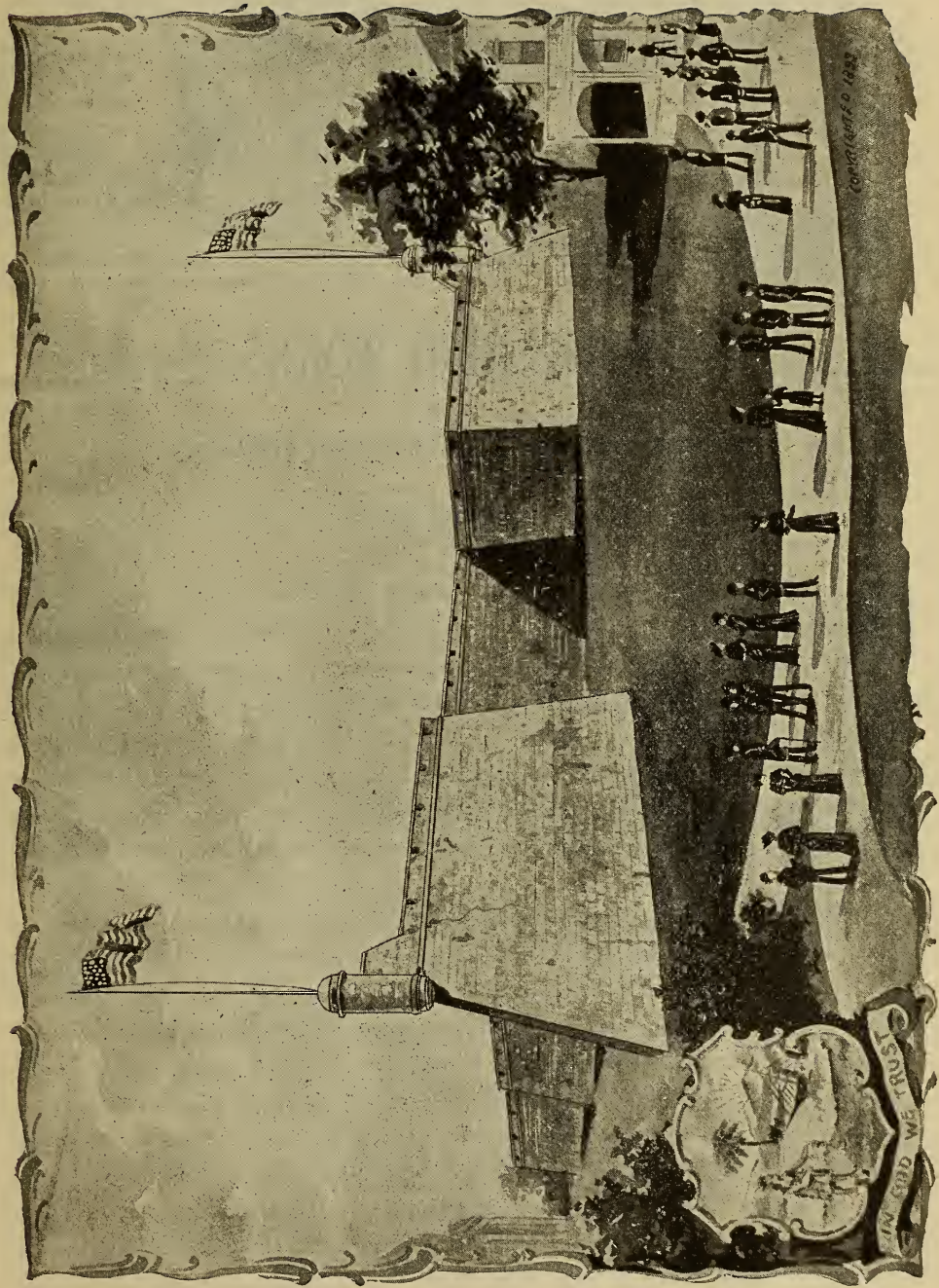
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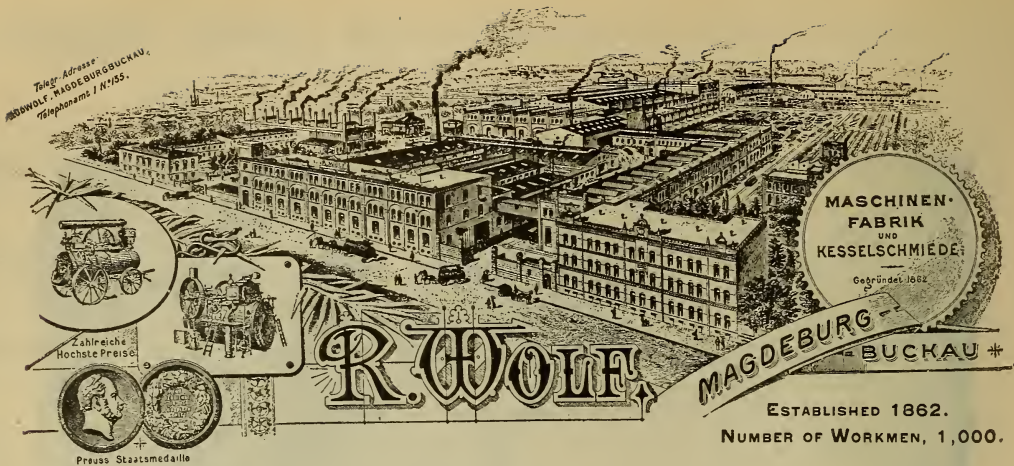
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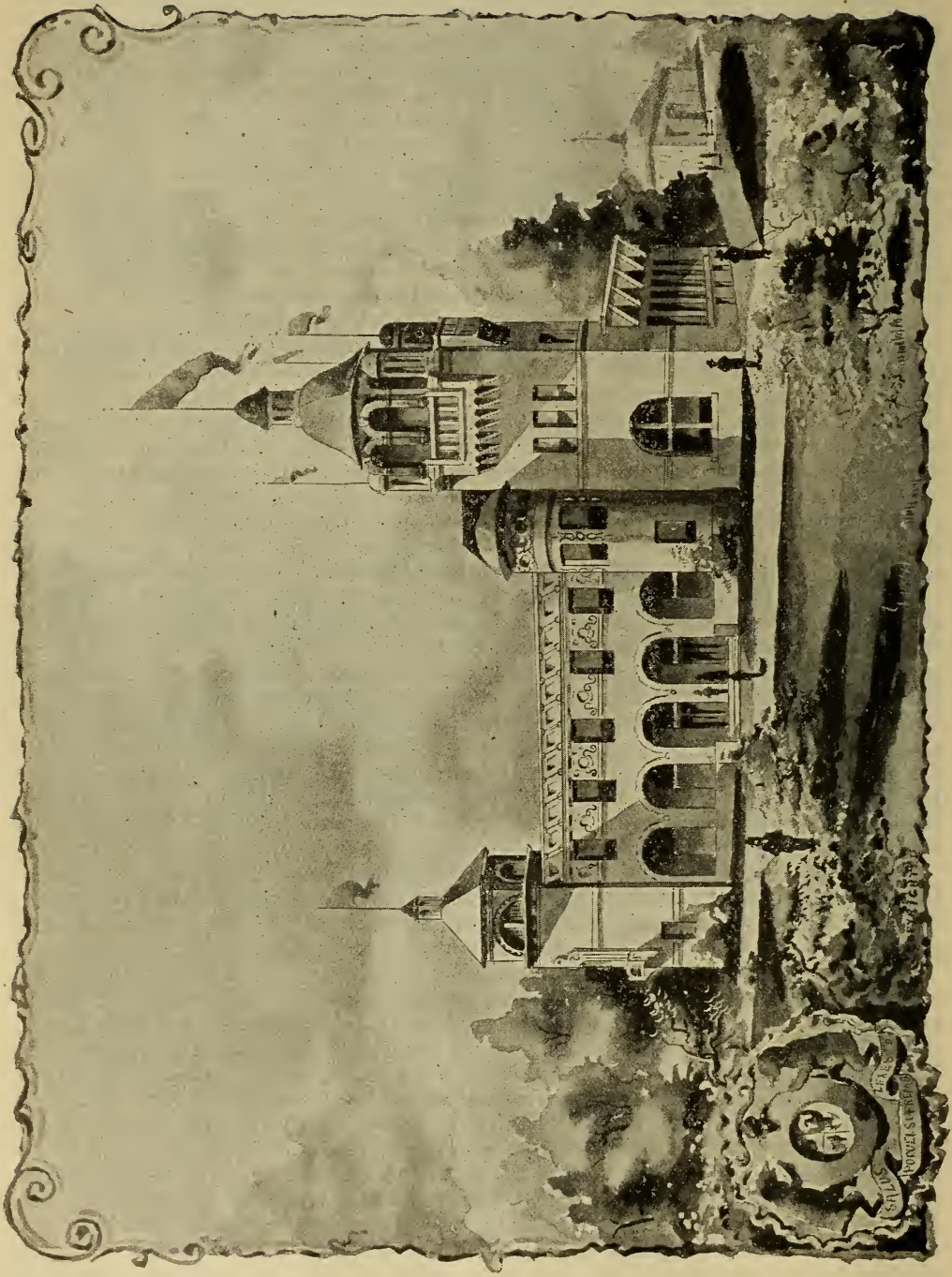
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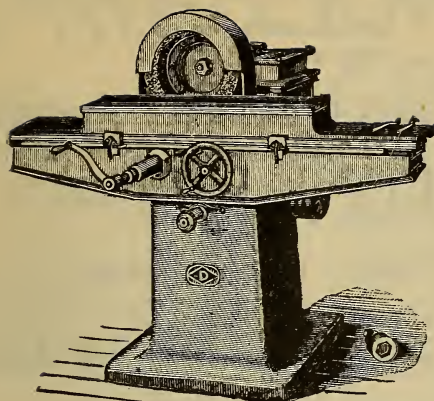
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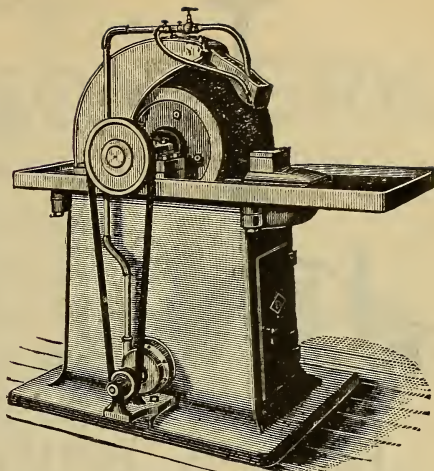


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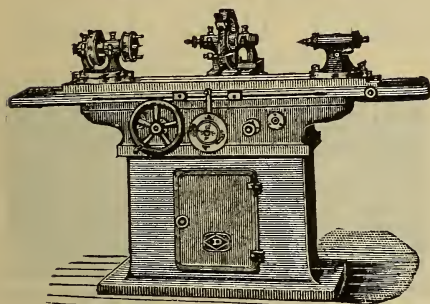


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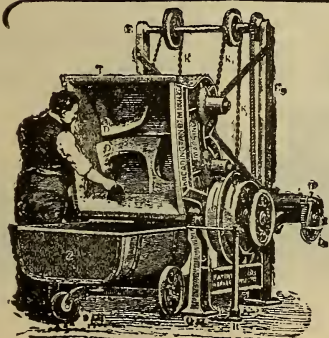
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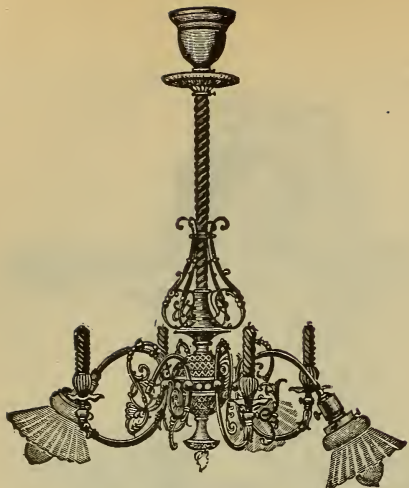
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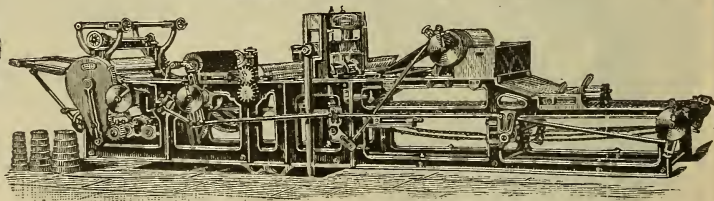
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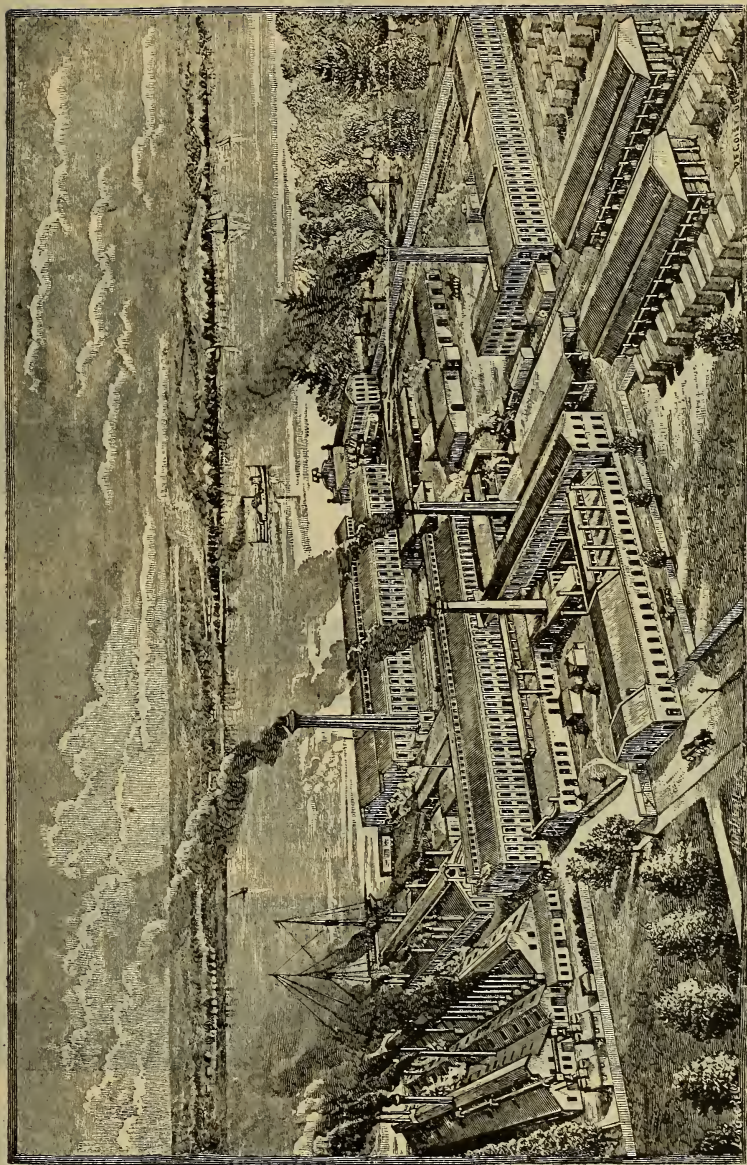
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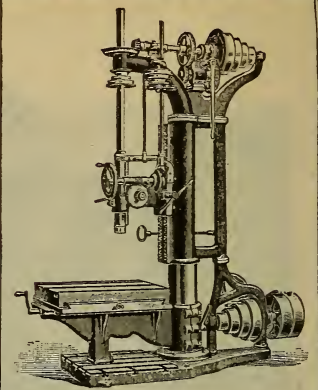
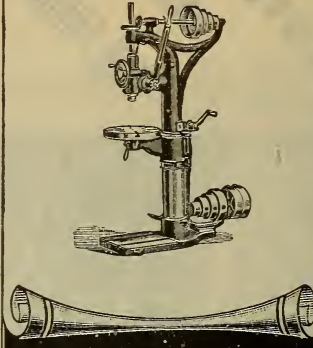
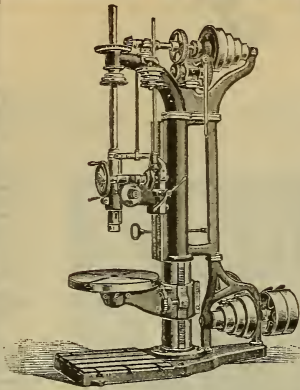
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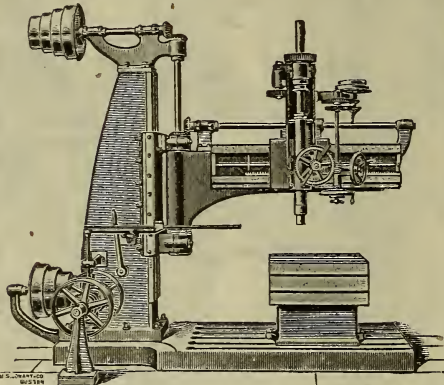
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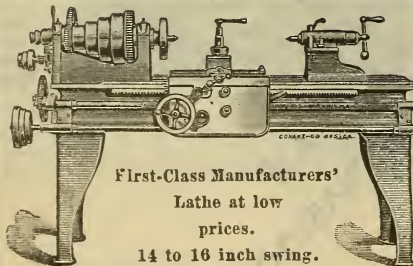


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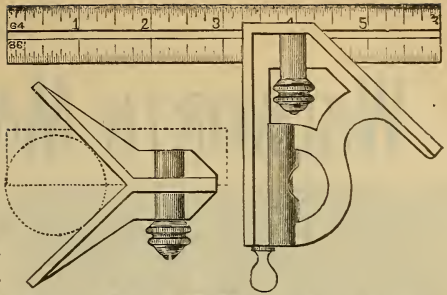
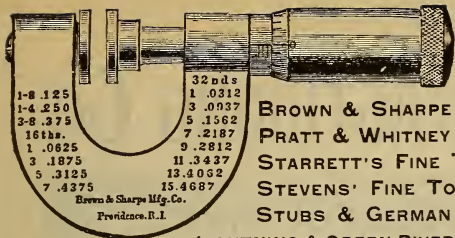
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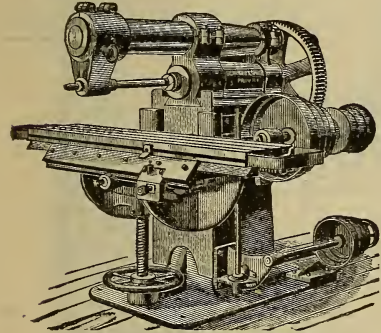
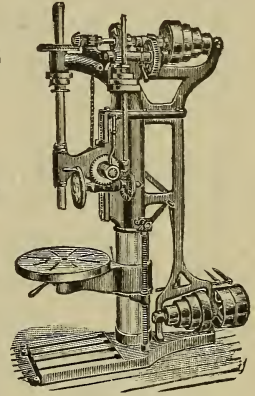
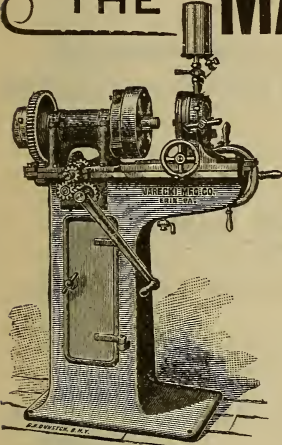
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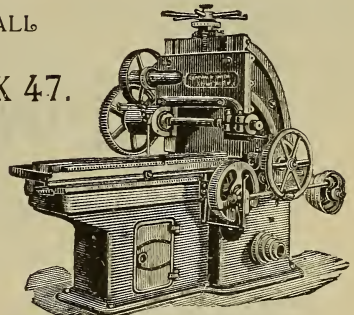
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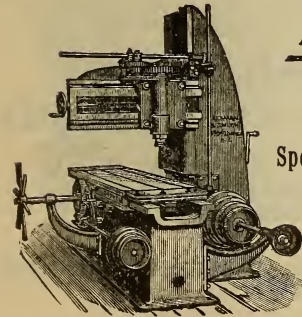
MACHINERY

AND TOOLS.

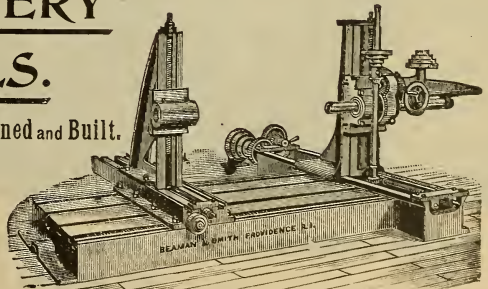
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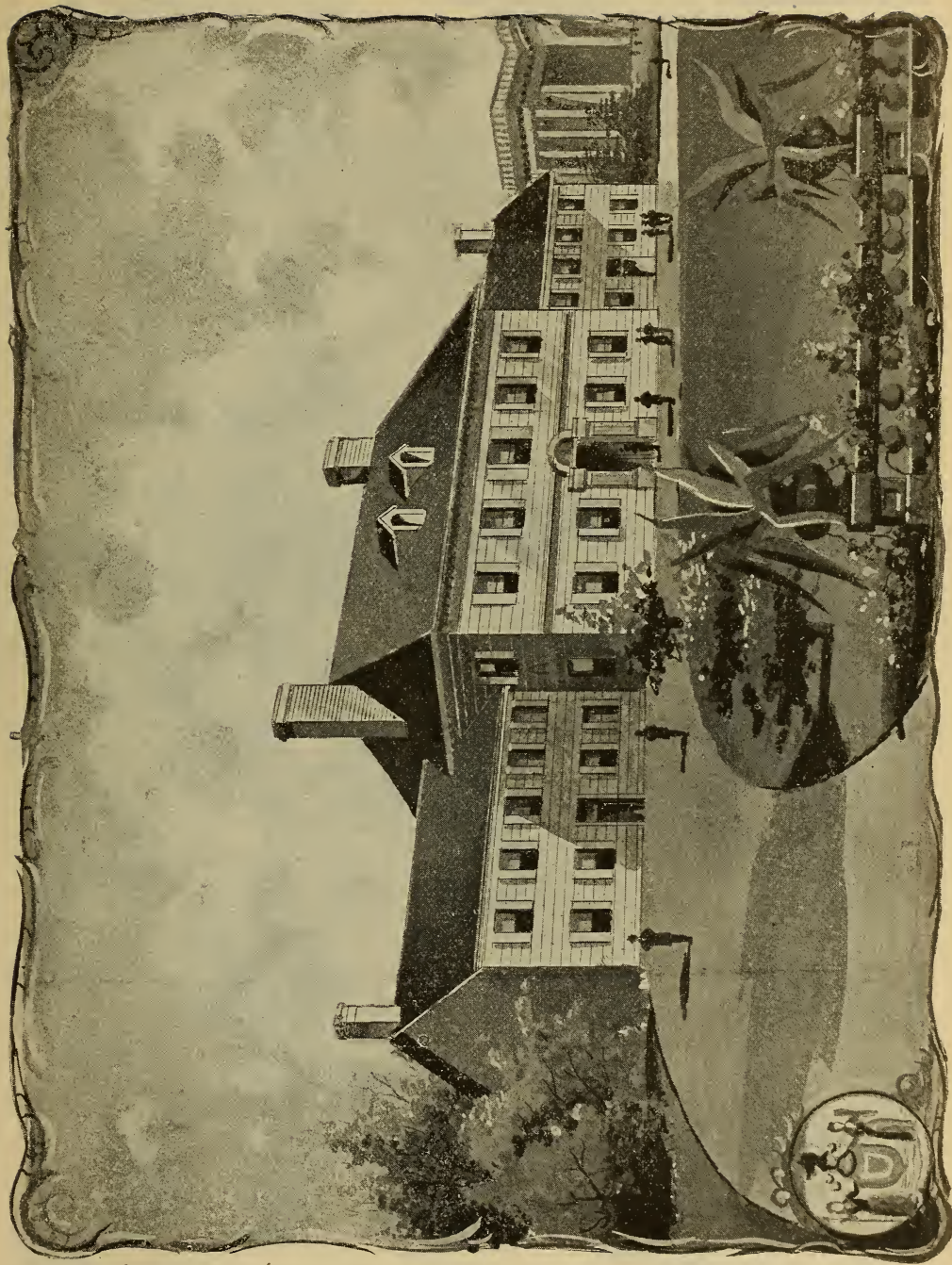
Catalogue
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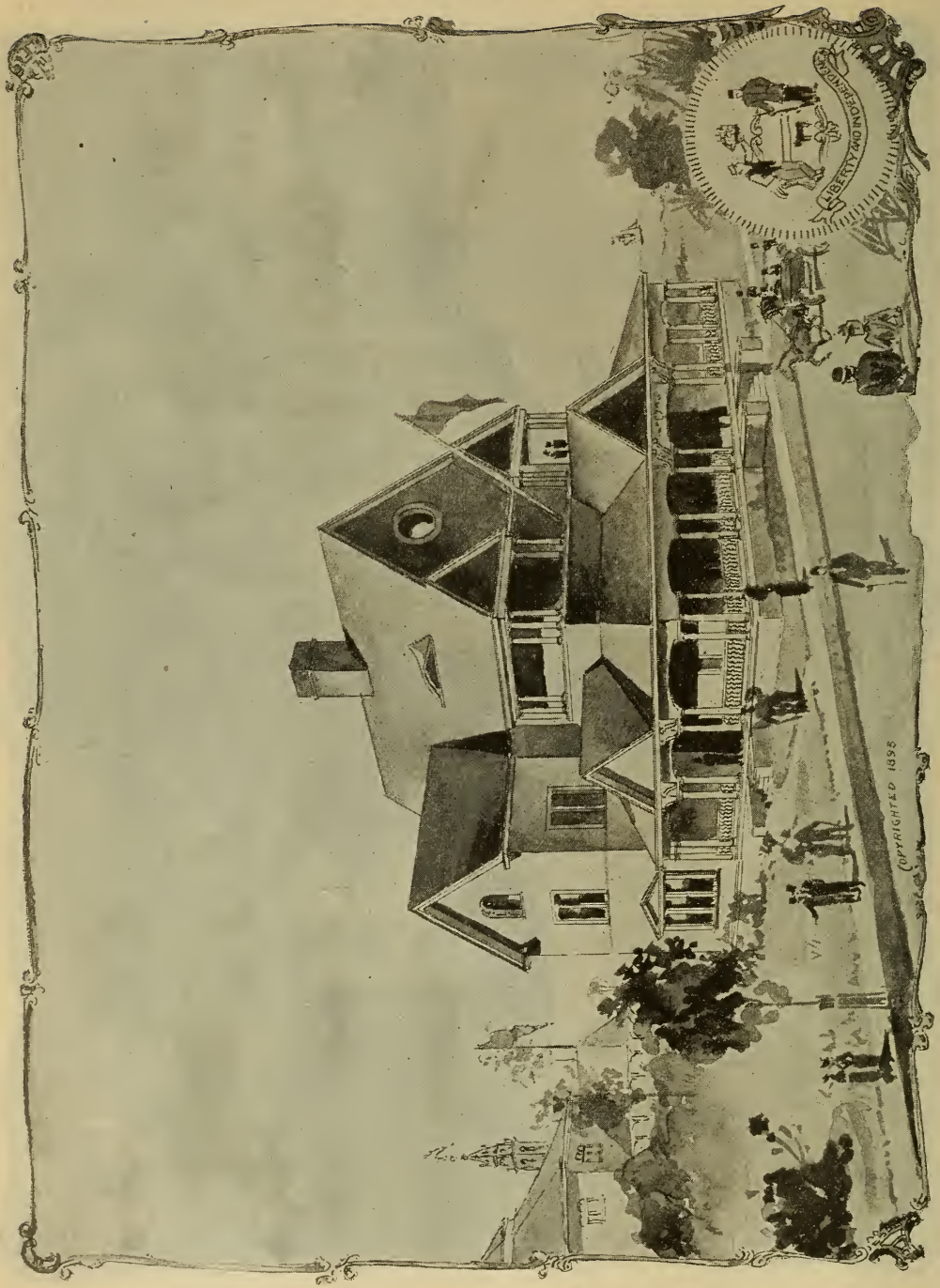
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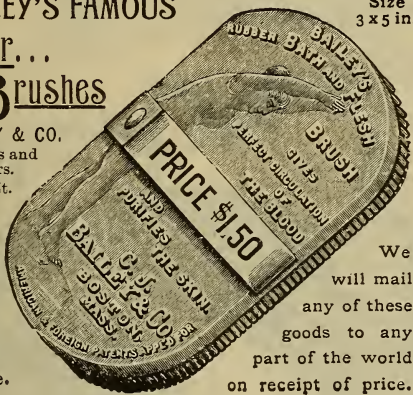
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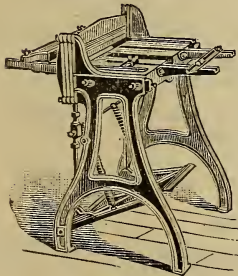
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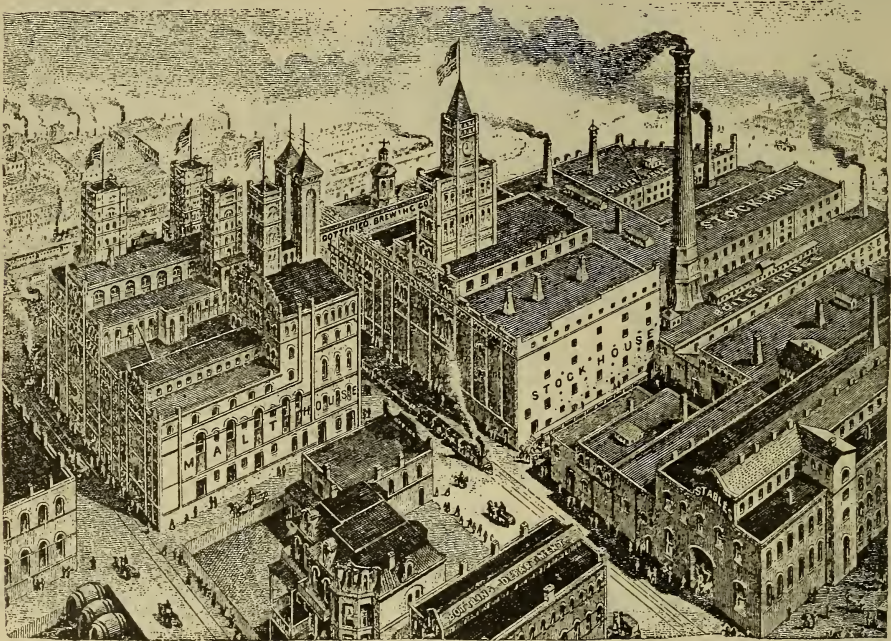
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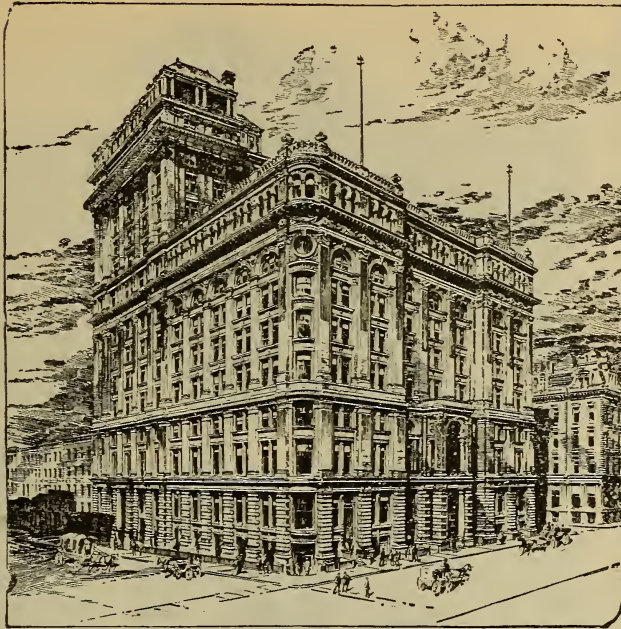
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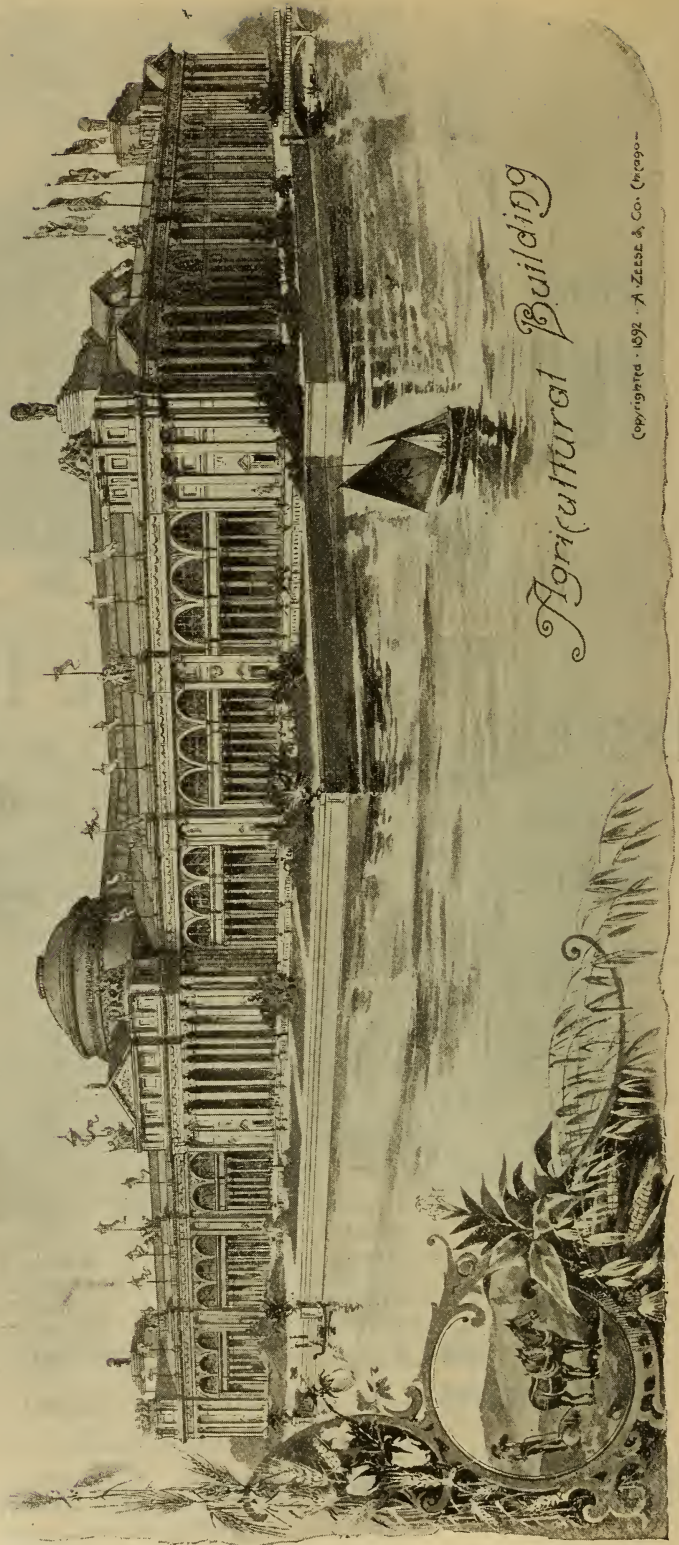
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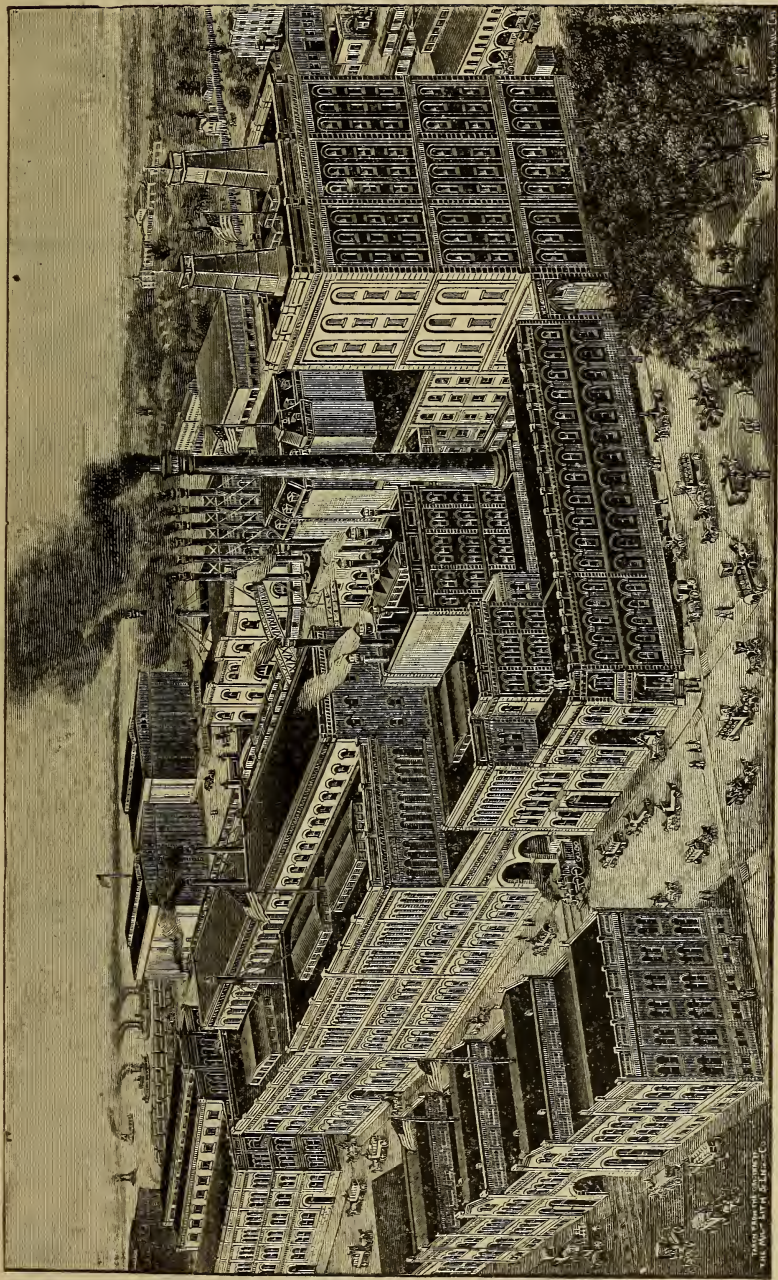
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 "LEMP'S EXTRA PALE"
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THE attention of visitors to the World's Fair is invited to the grand exhibit of this Company, located on the second floor of the Agricultural Hall, and a hearty welcome is extended to all for a thorough inspection of the Brewery plant in St. Louis.

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Individual
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We invite especial attention to our

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Building for Manufactures and Liberal Arts.
SECTION N,
Block 1, No. 12.



DEPARTMENT A.—AGRICULTURE.

STATE boards of agriculture and important organizations of farmers have accorded earnest support to this department in the matter of securing satisfactory exhibits of the products of agriculture comprised in the classification of the department; and according to the statement of Chief Buchanan, the exhibit of cereals, of animal and vegetable fibers, wool, cotton, hemp, flax, etc., is complete and exhaustive. Methods of irrigation and farm management are illustrated by models, etc. The exhibit of farm implements is the most complete ever seen at any Exposition. A typical United States agricultural experiment station is located in the Agricultural Building. Near by this experiment station is an exhibit by the French government illustrating the methods of teaching agriculture employed in that country. The purpose of the department is to convey to the visitor and student a picture of the abundance, variety, development and possibility of the agricultural resources of the world.

The Agricultural Building is one of the most magnificent structures of the Exposition.

The style of classic renaissance is almost surmounted by the de-heroic. The gen-65 feet above side of the main moth Corinthian and 5 feet in diam- corner and from building pavilions center one being The corner pavil- by curtains, form-arcade around the ing. The main through an open- into a vestibule, trance is had to the diameter. This is



W. I. BUCHANAN, CHIEF.

mammoth glass dome 130 feet high. All through the main vestibule statuary has been placed, illustrative of the agricultural industry. Similar designs are grouped about all of the grand entrances in the most elaborate manner. The corner pavilions are surmounted by domes 96 feet high, and above these tower groups of statuary. The design for these domes is that of three female figures, of herculean proportions, supporting a mammoth globe.

Connected with the Agricultural Building and forming one end of the great colonnade connecting the Agricultural Building with Machinery Hall, is the Assembly Hall. This is on the same level as the Intramural railway station, which forms the center of the colonnade and is reached from the second floor of the Agricultural Building also. It will seat about 700 persons and furnishes facilities for lectures, delivered by gentlemen eminent in their special fields of work, embracing every interest connected with live stock, agriculture and allied industries.

architecture is ance. It is located Lake Michigan, rounded by the into the park from building is 500x dimensions being For a single story sign is bold and eral cornice line is grade. On either entrance are mam- pillars, 50 feet high eter. On each the center of the are reared, the 144 feet square. ions are connected ing a continuous top of the build- entrance leads ing 64 feet wide from which en- rotunda, 100 feet in surmounted by a

The Dairy Building, by reason of the exceptionally novel and interesting exhibits it will contain, is regarded with great favor by World's Fair visitors in general, while by agriculturists it is considered one of the most useful and attractive features of the whole Exposition. It was designed to contain not only a complete exhibit of dairy products, but also a Dairy School, in connection with which will be conducted a series of tests for determining the relative merits of different breeds of dairy cattle as milk, butter and cheese producers.

The building stands near the lake shore in the southeastern part of the park, and close by the general live stock exhibit. It covers approximately half an acre, measuring 95x200 feet, is two stories high and cost \$30,000. In design it is of quiet exterior. On the first floor, besides office headquarters, there is in front a large open space devoted to exhibits of butter, and farther back an operating room 25x100 feet, in which the Model Dairy will be conducted. On two sides of this room are amphitheatre seats capable of accommodating 400 spectators. Under these seats are refrigerators and cold storage rooms for the care of the dairy products. The operating-room, which extends to the roof, has on three sides a gallery where the cheese exhibits will be placed. The rest of the second story is devoted to a café, which opens on a balcony overlooking the lake.

The Dairy School, it is believed, will be most instructive and valuable to agriculturists.

The following are extracts from the special rules and information issued by W. J. Buchanan, Chief, and approved by the Director-General:

Vegetables and other perishable products will be admitted during their season, and may be replaced with fresh specimens when found necessary by obtaining a special permit from the Chief of the Department.

The Chief of the Department reserves the right to order the removal of any vegetable or perishable exhibit, where the exhibit is not properly cared for. Arrangements can be made with the Chief of the Department for the sale of such perishable products as may be necessary to comply with this rule.

A special display of Sugar-beets will be made during the two weeks beginning Monday, October 9, 1893.

A special display of potatoes and other tubers will be made during the two weeks beginning Monday, September 11, 1893.

The space granted each exhibitor is indicated on the permit in feet and inches, together with its location, and is utilized in such manner as the exhibitor has deemed best in arranging his exhibit, under the direction of the Chief of the Department.

All platforms are of uniform height, namely, eight inches. All railings and counters are of uniform height, namely, thirty-six inches above the floor. No partition has been permitted exceeding six feet in height above the floor. Space is computed to an aisle or to some definite point, and all railings and ornamentations are included therein. No distinct form or design is prescribed for the construction of counters, railings, etc., or for the arrangement of an exhibit (columns, pyramids, cones, etc.).

Exhibits of cereals, and other farm products, are accompanied with the following data and information:

- | | |
|---------------------------------------|--|
| a. Name of object. | j. Weight. |
| b. Name of producer. | k. Price of product at nearest home market. |
| c. Place where grown. | l. Average temperature by months for the time intervening between planting and harvesting. |
| d. Character of soil. | m. Average rain or snow-fall by months for the time intervening between planting and harvesting. |
| e. Date of planting. | n. Was exhibit produced by irrigation? |
| f. Quantity of seed planted per acre. | |
| g. Method of cultivation. | |
| h. Date of harvesting. | |
| i. Yield per acre. | |

Dairy products will be received for exhibition only between the first and tenth of the following months: June, July, September and October, 1893.

The arrangement of all dairy exhibits is under the control of this Department.

Exhibits of butter are classified and limited as follows:

Class 1. *Dairy*—Butter made by exhibitor on the farm from a mixed herd. Exhibit to consist of not more than one package, weight to be not less than 10 nor more than 20 pounds.

Class 2. *Dairy*—Butter made by exhibitor on the farm from a herd of *one breed*. Exhibit to consist of not more than one package, weight to be not less than 10 nor more than 20 pounds.

Class 3. *Prints and fancy packages*—butter must be manufactured by exhibitor. Exhibit to occupy space not exceeding 18 inches square. Total weight of exhibit not to exceed 20 pounds.

Class 4. *Creamery*—butter made by exhibitor from the milk of *mixed herds* from cream separated from the milk in the creamery where the butter is made. Exhibit to consist of one commercial package, to weigh not less than 55 pounds.

Class 5. *Creamery*—butter made by exhibitor from gathered cream. Exhibit to consist of one commercial package, to weigh not less than 55 pounds.

Exhibits of cheese from the United States and Canada are classified and limited, as follows:

Class 1. *Cheddars*—Exhibit to consist of one cheese, diameter not less than 14 nor more than 16 inches, height not less than 9 inches. Weight to be not less than 50 pounds.

Class 2. *Cheddars—Home Trade*—Exhibit to consist of one cheese not less than 6 inches in height and not less than 12 nor more than 15 inches in diameter.

Class 3. *Mediums*—Exhibit to consist of one cheese not less than 6 nor more than 7½ inches in height, diameter not less than 14 nor more than 15½ inches.

Class 4. *Flats*—Exhibit to consist of one cheese, diameter not less than 14 nor more than 15 inches, weight not less than 30 nor more than 35 pounds.

Class 5. *Young Americas*—Exhibit to consist of four cheese in one package, total weight to be not less than 35 nor more than 40 pounds.

Class 6. *Domestic Swiss*—Exhibit to consist of one cheese, weight to be not less than 80 pounds.

Class 7. *Brick Cheese*—Exhibit to consist of six bricks, in one package, total weight to be not less than 20 nor more than 30 pounds.

Class 8. *Dairy*—Cheese made by exhibitor on the farm from exhibitor's own herd. Exhibit to consist of one cheese, weight to be not less than 30 pounds.

Class 9. *Pineapple Cheese*—Exhibit to consist of four cheese in one package.

Cheddars and flats will each be classified in two groups, viz., white and colored, and will be separately judged.

Cheese, other than that mentioned above, offered for exhibit from the United States and Canada, and all cheese offered for exhibit from points outside the United States and Canada are subject to such limitations and restrictions as may be decided upon by the Chief of the Department at the time application for space is made.

All cheese exhibited from the United States and Canada, known commercially as "*American*" and "*Canadian*" cheese, must be manufactured of full new milk.

Cheese that has been cut, bored, or tried in any way, will not be admitted for exhibition.

All cheese will be divided into two classes, that made previous to the year 1893, and that made during the year 1893, and will be judged on the following points, the figures set opposite each indicating the maximum per cent., the total of all such maximums being 100:

Flavor.....	45
Texture.....	20
Color.....	15
Salting.....	10
Makeup.....	10
Total.....	100

Butter will be judged on the following points, the figures set opposite indicating the maximum per cent., the total of all such maximums being 100:

Flavor.....	45
Grain.....	25
Color.....	15
Salting.....	10
Packing.....	5
Total.....	100

The general standard of color for butter will be "*June Grass Butter*."

Exhibits of wool are classified and limited, as follows:

Class 1. Pure-bred fine wools.

Class 3. Pure-bred long wools.

" 2. Pure-bred middle wools.

" 4. All cross-bred wools.

The following entries are made in each of the above classes:

First fleeces from lambs.

Fleeces from animals over two years old.

Fleeces from animals under two years old that have been sheared.

Entries in any of the above classes consist of one fleece in the natural condition taken from the animal. Exhibits are accompanied by the following information:

a. Sex of animal.

e. Weight of animal after shearing.

b. Breeding of animal.

f. Age of fleece in days.

c. Age of animal.

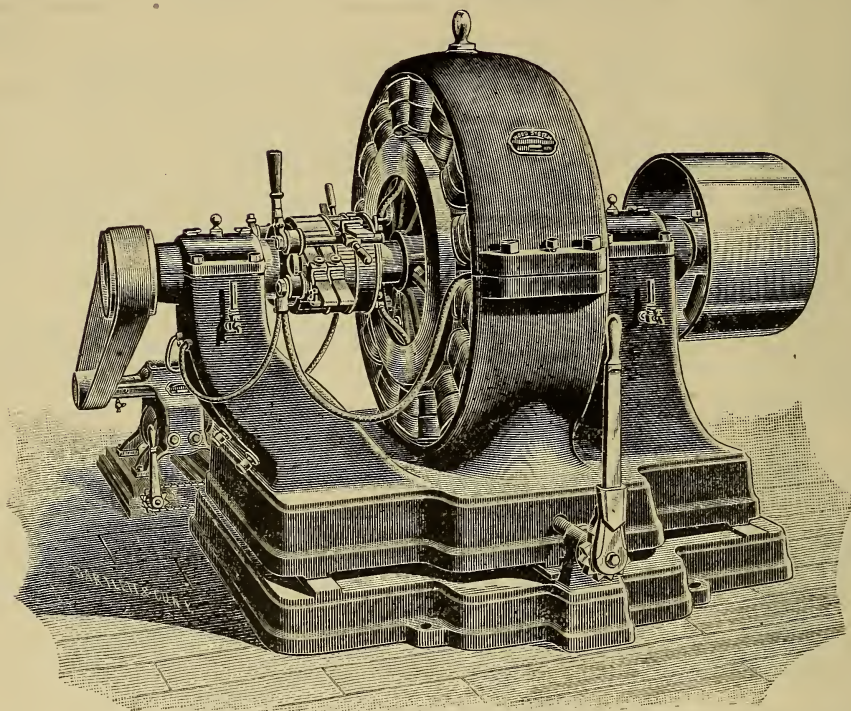
g. Gross weight of fleece at shearing.

d. Date of shearing.

Exhibits of fleeces from pure-bred Angora and Cashmere Goats, their crosses upon other goats, and from the Alpaca, Vicugna and other lanigerous animals are subject to the same restrictions, and accompanied by information as exhibits of wool.

FORT WAYNE ELECTRIC CO.

FORT WAYNE, IND.



CALLS ATTENTION TO ITS NEW

“Wood” Iron Glad Slow Speed Alternator.

THIS Alternator contains the following features of merit: It has the highest electrical efficiency, the best mechanical construction, the most artistic design, and the best ventilated armature ever constructed. The armature is, in fact, indestructible. These dynamos are being manufactured in the following sizes: 750 light, 1,500 light, 3,000 light and 6,000 light capacity.

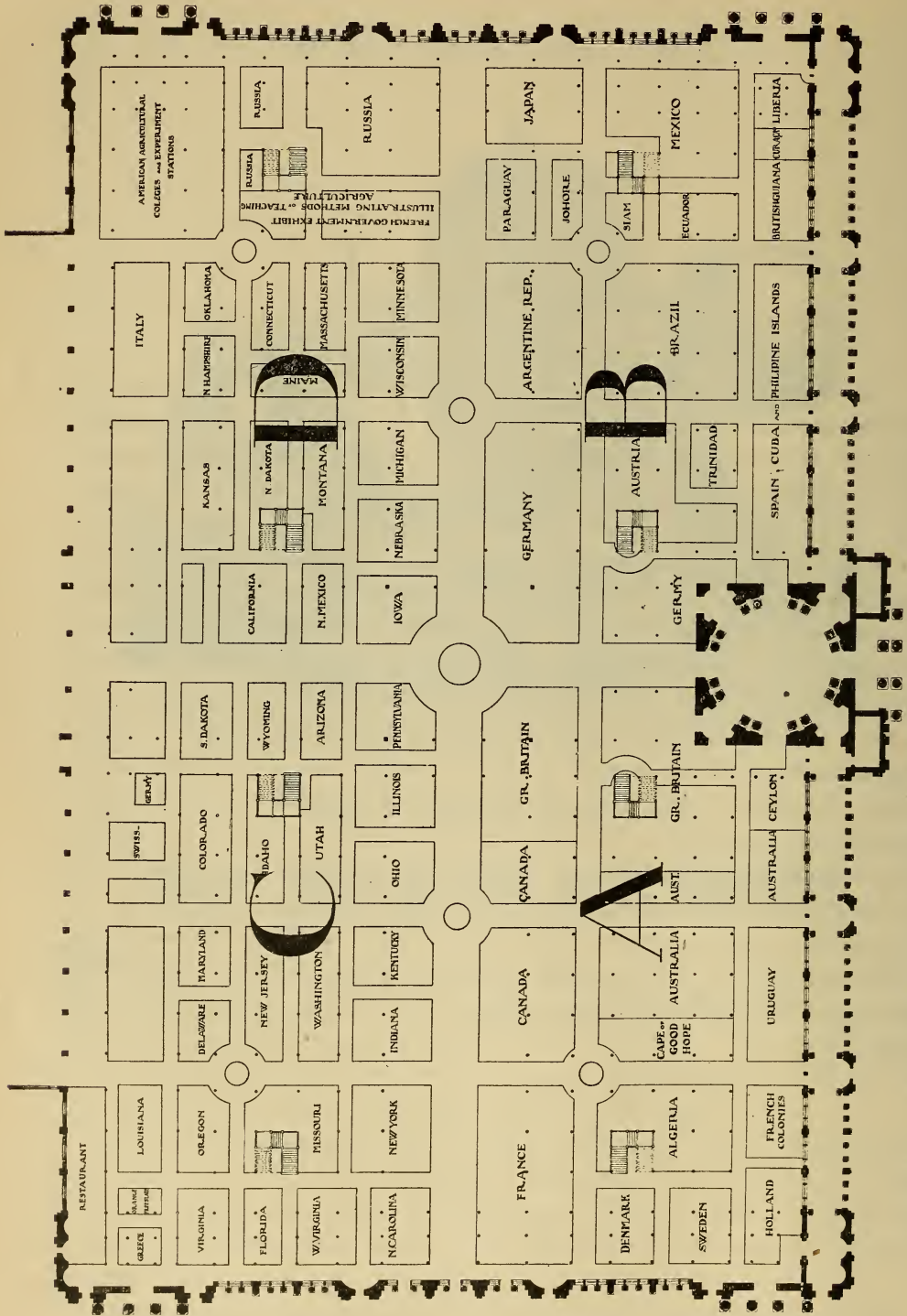
The new Generator and Motor has the following marked characteristics: High Efficiency, Perfect Self-regulation, Uniqueness and Simplicity of Design, Self-Oiling Expansion Boxes, Self-Contained Multiple Fuses, Anti-Friction and Insulating Sliding Base-Frame, New Patent Fire-Proof and Indestructible Rheostat.

Above apparatus can be seen in operation at our World's Fair Exhibit.

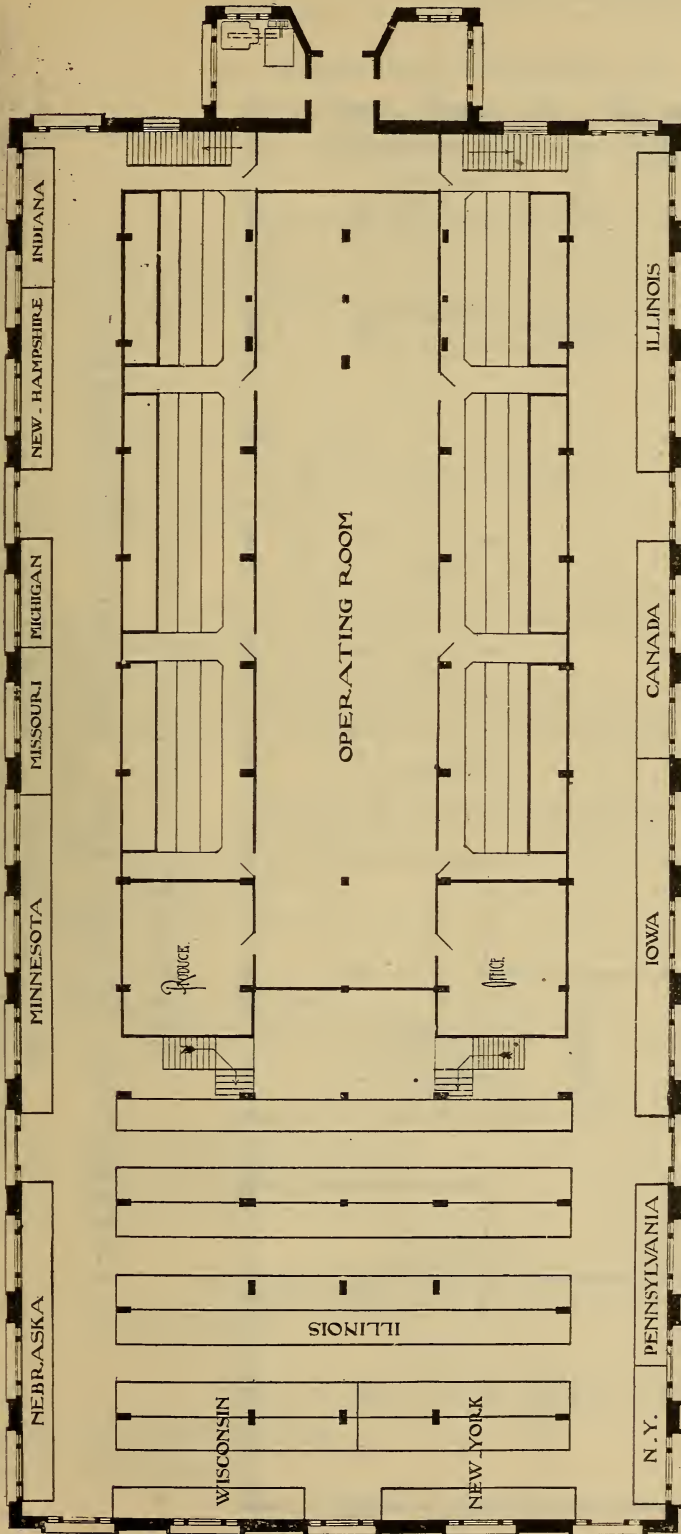
(SEE PAGE 645.)

KEY TO INSTALLATION.

For the purpose of installation of exhibits the building is divided, on the first floor, into five sections, "A" being in the northeast, "B" the northwest, "C" the southeast, "D" the southwest, and "E" in the west section. On the second or gallery floor are "F" in the northeast, "G" in the northwest, "H" in the southeast, and "I" in the southwest section. 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 "1-A" can be found. The location of an exhibit is indicated by two letters and a figure. For instance, an exhibit located in "H-G-5," means that it is in Section H where the lines of the Columns G and 5 cross. By consulting the ground plan the sections can be readily located, as the columns are plainly lettered and numbered. All the agricultural machinery is in Section D. All exhibits of butter and cheese are in the Dairy Building, the butter on the first floor, and the cheese on the second floor. Exhibits of honey are on the gallery floor, in the east end of Agricultural Building. The ground plan shows the location by name of each of the States and foreign countries.



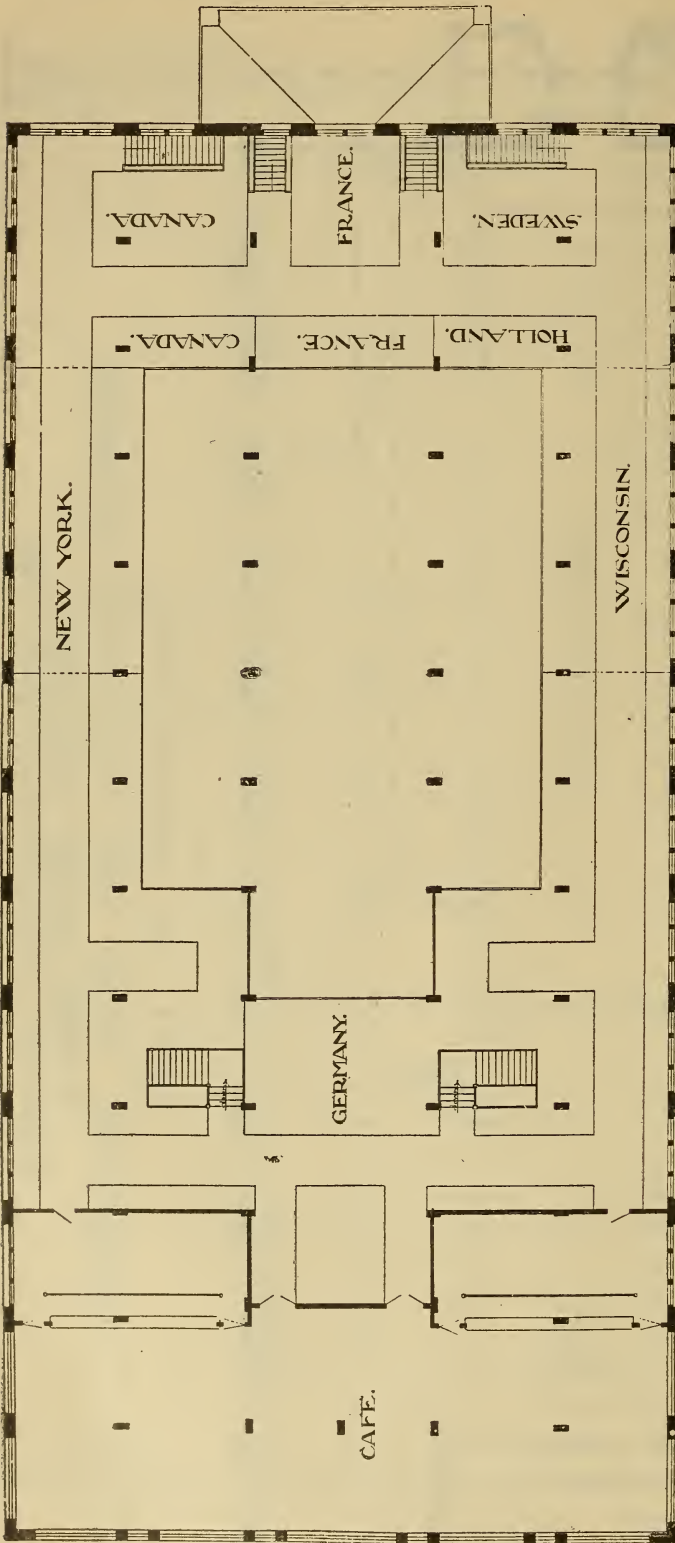
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 TO
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 WORLD'S COLUMBIAN EXPOSITION.
 GROUND FLOOR PLAN.



DEPT. OF AGRICULTURE
 REFERENCE PLAN FOR LOCATING EXHIBITS
 IN THE DAIRY BUILDING
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DEPT. OF AGRICULTURE.
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SYSTEM OF CLASSIFICATION.

AGRICULTURAL DEPARTMENT (A.)

AGRICULTURE, FOOD AND ITS ACCESSORIES, FORESTRY AND FOREST PRODUCTS. MACHINERY AND APPLIANCES.

GROUP 1.

CEREALS, GRASSES AND FORAGE PLANTS.

- Class 1. Wheat and its culture.
Varieties of wheat grown in America and abroad. Statistics of products and of prices.
- Class 2. Indian corn—all varieties.
Illustrations of methods of planting, tilling and harvesting. Statistics of products and of prices.
- Class 3. Oats.
- Class 4. Barley.
- Class 5. Rye.
- Class 6. Rice and its culture.
- Class 7. Buckwheat and other grains.
- Class 8. Grasses, various species; hay and hay-making.
- Class 9. Forage plants—clover, alfalfa, cow-pea, cornstalks.
- Class 10. Ensilage—silos, etc.
- Class 11. Flours, meals, decorticated grains, grits, etc.

GROUP 2.

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

- Class 12. Bread and its manufacture; baking powder, yeast and its preparations.
- Class 13. Cakes and pastry.
- Class 14. Biscuit industry, crackers of all kinds.
- Class 15. Italian paste, semolino, vermicelli, macaroni, etc.
- Class 16. Starch and its manufacture from all sources; from cereals, tubers, arrow root, plantain, cassava, zamia, manioc, tapioca, sago, pearl flour, etc.

GROUP 3.

SUGARS, SYRUPS, CONFECTIONERY, ETC.

- Class 17. Sugar cane, its cultivation and treatment; manufacture of sugar.
- Class 18. Cane sugar, syrup, molasses, etc.
- Class 19. Grape and fruit sugars.
- Class 20. Beet root sugar.
- Class 21. Maple sugar, syrups, etc.
- Class 22. Palm sugar.
- Class 23. Milk sugar.
- Class 24. Sorghum, its culture and uses, and preparation of syrup and sugar.
- Class 25. Glucoses, etc., prepared.
- Class 26. Honey bees and honey; hives and appliances.
- Class 27. Confectionery, confections, etc. (For jams, jellies, etc., see Group 21.)

GROUP 4.

POTATOES, TUBERS AND OTHER ROOT CROPS.

- Class 28. Potatoes, sweet potatoes, yams, etc.
- Class 29. Sugar beets, mangel wurzel.
- Class 30. Carrots, turnips, beets, artichokes, etc.
- Class 31. Peanuts; methods of cultivation, statistics, etc.

GROUP 5.

PRODUCTS OF THE FARM NOT OTHERWISE CLASSED.

- Class 32. Broom corn, pumpkins, squashes, pease, beans, as crops. (For garden vegetables, etc., see Group 23.)

GROUP 6.

PRESERVED MEATS AND FOOD PREPARATIONS.

(For fish product as food, see also Group 40.)

- Class 33. Dried meats, jerked beef.
- Class 34. Smoked beef, hams and bacon.
- Class 35. Salted meats.

- Class 36. Canned meats, including fish, flesh and fowl, pates, sardines, lobsters, oysters, etc.
- Class 37. Meat extracts, soups and food preparations.
- Class 38. Extracts of beef.
- Class 39. Milk, dried or in cans, evaporated or condensed.
- Class 40. Milk and coffee and similar preparations in tin or glass.

GROUP 7.

THE DAIRY AND DAIRY PRODUCTS.

- Class 41. Milk and cream, with apparatus and methods of treatment. Apparatus and methods of transporting and delivering milk and cream. Concentrated or partly evaporated milk. (For condensed milk, see Class 39.)
- Class 42. Butter.
- Class 43. Cheese and its manufacture.
- Class 44. Dairy fittings and appliances—churns for hand and power, butter workers, cans and pails, cheese presses, vats and apparatus.

GROUP 8.

TEA, COFFEE, SPICES, HOPS, AND AROMATIC AND VEGETABLE SUBSTANCES.

- Class 45. Tea, coffee, cocoa, chocolate and substitutes.
- Class 46. Hops; culture, statistics, etc.
- Class 47. Peppers, cloves, cinnamon and other spices.
- Class 48. Tobacco in the leaf, and tobacco not manufactured.
- Class 49. Machines and appliances for the curing of tobacco and for the manufacture of tobacco, cigars, cigarettes and snuff.
- Class 50. Insecticides. Methods and appliances for the destruction of the tobacco worm and other parasites.
- Class 51. Commercial forms of chewing and smoking tobacco.
- Class 52. Cigars, cigarettes and snuff.

GROUP 9.

ANIMAL AND VEGETABLE FIBRES.

- Class 53. Cotton on the stalk—its several varieties; long and short staples, shown by living examples, by engravings, photographs, etc.
- Class 54. Methods of planting and culture.
- Class 55. Machines and appliances for planting, cultivating, picking, ginning and bailing.
- Class 56. Cotton seed and its uses.
- Class 57. Remedies and appliances for destroying insects.
- Class 58. Literature, history and statistics.
- Class 59. Hemp, flax, jute, ramie and other vegetable fibres not enumerated, in primitive forms and in all stages for spinning.
- Class 60. Wool in the fleece, in sacks and in bales.
- Class 61. Silk worms, silk in the cocoon; apparatus and appliances used in silk culture.
- Class 62. Hair as a textile material.

GROUP 10.

PURE AND MINERAL WATERS, NATURAL AND ARTIFICIAL.

- Class 63. Distilled water, for use in the arts and for drinking.
- Class 64. Spring water, mineral water, natural and artificial.
(See also Group 48).
- Class 65. Aerated waters.

GROUP 11.

WHISKEYS, CIDER, LIQUEURS AND ALCOHOL.

- Class 66. High wines—whiskey and its manufacture.
- Class 67. Rum and other distilled spirits, as saki, samshoo, etc.
- Class 68. Alcohol—pure spirits.
- Class 69. Cordials and liqueurs.
- Class 70. Bitters and mixed alcoholic beverages.
- Class 71. Cider and vinegar.

GROUP 12.

MALT LIQUORS.

- Class 72. Preparation of the grain. Malt and extracts of.
- Class 73. Beers, ales, porter, stout, etc.

GROUP 13.

MACHINERY, PROCESSES AND APPLIANCES OF FERMENTING, DISTILLING, BOTTLING AND STORING BEVERAGES.

- Class 74. Apparatus of fermenting—vats, cellars, etc.
- Class 75. Distilling. Ordinary and vacuum stills, etc.
- Class 76. Rectifying apparatus and methods.
- Class 77. Machinery and appliances for bottling beer.

GROUP 14.

FARMS AND FARM BUILDINGS.

- Class 78. Farms and farm administration and management, shown by farms, or by maps, models records, statistics and other illustrations.
- Class 79. Irrigation, drainage methods, machinery and appliances. Models of fences, construction of roads; literature and statistics.
- Class 80. Systems of planting, cultivating, harvesting and stock feeding.
- Class 81. Systems of breeding and stock feeding.
- Class 82. Farm buildings, houses, barns, stables, etc., shown by reference to special examples, or by models, drawings or other illustrations. Stable fittings.

GROUP 15.

LITERATURE AND STATISTICS OF AGRICULTURE.

- Class 83. Statistics of farms; reports of agricultural societies, etc.

GROUP 16.

FARMING TOOLS, IMPLEMENTS AND MACHINERY.

- Class 84. Tillage—manual implements—spades, hoes, rakes, etc. Animal power machinery—plows, cultivators, horse hoes, clod crushers, rollers, harrows, etc. Steam-power machinery—plows, breakers, harrows, cultivators, etc.
- Class 85. Planting—manual implements—planters and hand-drills, hand-seeders, etc. Animal power machinery—grain and fertilizer drills, seeders, planters, etc. Steam power machinery—grain and fertilizer drills, seeders, planters, etc.
- Class 86. Harvesting—manual implements—scythes, rakes, forks, grain cradles, sickles, reaping hooks, etc. Animal power machinery—reapers, binders, and headers, mowers, tedders, rakes, hay elevators, hay loaders and stackers, potato diggers, corn harvesters, combined harvesters, binding twine, etc.
- Class 87. Preparatory to marketing—threshers, clover hullers, corn shellers, winnowers, and apparatus for bailing hay, straw and other products, etc.
- Class 88. Applicable to farm economy—Portable engines, wind mills, chaffers, hay and feed cutters, vegetable and root cutters, feed grinders, corn-mills, farm-boilers and steamers, stump extractors, etc.
- Class 89. Traction engines and apparatus for road making and excavating, with illustrations.

GROUP 17.

MISCELLANEOUS ANIMAL PRODUCTS—FERTILIZERS AND FERTILIZING COMPOUNDS,

- Class 90. Miscellaneous animal products—hides, horns, ivory, bones, scales, tortoise shell, shells, glue, gelatine, etc. Animal perfumes—musk, castorium, civet, ambergris, etc., in their crude state, not manufactured.
- Class 91. Hair—for masons' use; for upholsterers, heavy felting, bristles, feathers, down, etc.
- Class 92. Fertilizers of living animals; guanos, raw and mixed.
- Class 93. Fertilizers of fossil origin. Commercial fertilizers—phosphatic, ammoniacal, calcareous, potash, salts, etc.

GROUP 18.

FATS, OILS, SOAPS, CANDLES, ETC.

- Class 94. Animal oils and fats—lard, tallow, butterine, oleomargarine, lard oil, whale oil. (For fish oils see also Department D.)
- Class 95. Vegetable oils, cotton-seed oil, olive oil, rape-seed oil, linseed oil, palm-oil, etc., with the seeds and residues.
- Class 96. Soaps and detergent preparations. (For perfumery and toilet soaps see also Group 87.)
- Class 97. Stearine, glycerine, paraffine, etc. Spermaceti, ozocerite, wax, candles, etc.
- Class 98. Lubricating oils, axle grease, etc.

..... ESTABLISHED 1866

F. G. LOGAN.

F. K. DUNN.



CLARKSON COWL.

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CHICAGO



Commission Merchants
and Cash Grain Handlers.

PRIVATE WIRES TO THE SEABOARD,
THE NORTHWEST, WEST AND SOUTHWEST.

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

UNITED STATES.

GROUP 1.

Cereals, Grasses and Forage Plants.

1. American Cereal Co., New York. Farinaceous food, etc. F-D-6 & C-6 11
2. Anderson, Neils, Utah. Wheat. 1
3. Baker, G. W., Utah. Wheat. 1
4. Belshaw, Geo., Eugene, Ore. Wheat. 1
5. Chambers, Vermillion, South Dakota. Corn. 2
6. Conklin, E. W., & Son, Binghamton, N. Y. Timothy and clover seed. C-A-0 8
7. Davis, R. T., Mill Company, St. Joseph, Mo. Flour. H-O-5 11
8. Dickinson, Albert, Company, Chicago.
 - a Pop corn. C-E-O 2
 - b Agriculture seeds. 8
 - c Ensilage. 10
9. Duluth Imperial Mill Co., Duluth, Minn. Flour. H-L-6 11
10. Elsworth, Edw., & Co., New York.
 - a Oats. F-G-5 3
 - b Buckwheat. 7
 - c Flour. 11
11. Furgeson, Holden, Missouri. Wheat. 1
12. Henderson, Peter, & Co., New York. Field seeds. C-D-0 8
13. Hungarian Flour Mills, Denver, Col. Flour. H-J-6 11
14. King, J., Vermillion, South Dakota. Corn. 2
15. Listeman Milling Co., Wm., Superior, Wis. Flour. H-E-5 11
16. Pettijohn California Breakfast Food Company, Minneapolis, Minn. Prepared breakfast food. F-C-5 11
17. Pope, Chas., Glucose Co., Chicago. Meal. G-I-8 11
18. Porter, L. C., Milling Co., Winona, Minn. Flour, flour testing system. H-J-6 11
19. Salmon Milling Company, Beloit, Wis. Flour and breakfast food. H-D-4 11
20. Sessinghaus Milling Co., St. Louis. Flour. H-J-4 11
21. Stein, Hirsch & Co., Chicago. Potato flour. F-D-8 11
22. Tiedemann, Chas., Milling Company, O'Fallon, Ill. Flour. H-E-6 11
23. Washburn-Crosby Company, Minneapolis, Minn. Flour. H-C-5 & H-B-5 11
24. Wilson, Samuel, Mechanicsville, Pa. Field seeds. C-F-0 8
25. Winterhoff & Wessel, Lansing, Ill. Curled grass. Sec. F 8
26. Woodward & Croffut, Chicago. Cornmeal, flour, cereal flakes. H-G-5 11

GROUP 2.

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

27. American Biscuit & Manufacturing Co., Chicago. Crackers and biscuit. G-L-5 14
28. American Preservers' Co., Davenport, Ia. Macaroni and other pastes. H-T-9 15
29. Barnett, Wm., Philadelphia. Wheat starch. F-H-7 16
30. Canepa Bros., Chicago. Macaroni and other pastes. G-G-4 15
31. Chicago Macaroni Company, Chicago. Macaroni, noodles, etc. F-E-9 15
32. Chicago Sugar Refining Co., Chicago. Starch. G-I-9 16
33. Columbia Macaroni Mfg. Co., New York. Macaroni and other pastes. G-F-4 15
34. De Muth, J. A., St. Joseph, Mo. Kneader, biscuit machine. E-C-1 12
35. Dieter, The J. P., Co., Chicago. Baking powder. H-E-7 12
36. Durkee, E. R., & Co., New York. Baking powder. F-L-8 12
37. Gillett, E. W., Chicago. Yeast cakes. F-M-8 12
38. Kingsford, T., & Son, Oswego, N. Y. Starches. F-G-9 16
39. Mazza, A. F., & Co., Denver, Col. Macaroni and vermicelli. G-G-6 15
40. Middleby Oven Company, Boston. Ovens. E-C-4 12
41. National Starch Manufacturing Company, New York. F-K-8 & F-I-8
 - a Yeast. 12
 - b Starches. 16
42. Nebraska City Starch & Cereal Mills, Nebraska City, Neb. Starch and cereals. Sec. F 16
43. New York Biscuit Company, New York. Crackers and biscuit. G-I-5 14
44. People's Bread Co., Madison, Wis. Ginger snaps. G-H-6 13
45. Pope, Chas., Glucose Co., Chicago. Starch. G-I-9 16
46. Price Baking Powder Co., Chicago. Baking powder. F-H-9 12
47. Rumford Chemical Works, Providence, R. I. Baking powder and preparations. F-I-9 12
48. Stein, Hirsch & Co., Chicago. Starch. F-D-8 16
49. Thatcher, H. D., & Co., Potsdam, N. Y. Baking powder. F-D-9 12
50. United States Baking Company, Pittsburg. Crackers and biscuit. G-K-5 14

DEPARTMENT A.—AGRICULTURE.

- | | |
|---------------------------------|---|
| 51. Wilkins, Amos, Coburg, Ore. | |
| <i>a</i> Grasses. | 8 |
| <i>b</i> Clover. | 9 |
| 52. Wilkins, M., Coburg, Ore | |
| <i>a</i> Wheat. | 1 |
| <i>b</i> Oats. | 3 |
| <i>c</i> Barley. | 4 |
| <i>d</i> Rye. | 5 |

GROUP 3.

Sugars, Syrups, Confectionery, Etc.

- | | |
|---|------------------|
| 53. American Sugar Refining Company, New York. | |
| <i>a</i> Raw and refined sugars. | 17 |
| <i>b</i> Syrups. | 21 |
| 54. Chattanooga Plow Company, Chattanooga, Tenn. Cane mills, evaporators, furnace and kettle. | E-E-11 24 |
| 55. Chicago Sugar Refining Co., Chicago. | |
| <i>a</i> Grape sugars. | G-I-9 19 |
| <i>b</i> Syrups. | 18 |
| <i>c</i> Glucose, gluten, etc. | 25 |
| 56. Croft & Allen, Philadelphia. Confectionery. | G-J-9 27 |
| 57. Curtis & Sons, Portland, Me. Chewing gum. | H-K-9 27 |
| 58. Dunbar's, G. W., Sons, New Orleans. | |
| <i>a</i> Sugar cane. | G-E-6 17 |
| <i>b</i> Syrup in glasses. | 18 |
| 59. Hall, J. W., Portland, Maine. Wafers. | G-I-7 27 |
| 60. Hastings, Matthew E., New York Mills, N. Y. Bee-keepers' supplies. | A-G-5 26 |
| 61. Hill, A. G., Kendallville, Ind. Bee-keepers' supplies. | H-O-4 26 |
| 62. Lowney, The Walter M., Co., Boston. Chocolate bonbons. Special building. | 27 |
| For exhibit see page 636. | |
| 63. Maillard, Henry, New York. Confectionery. | G-B-7 27 |
| 64. National Starch Manufacturing Company, New York. F-K-8 & F-I-8 | |
| <i>a</i> Grape sugar. | 18 |
| <i>b</i> Glucose. | 25 |
| 65. Ohio Maple Sugar & Syrup Exhibit, Maple sugar and syrup. | 21 |
| 66. Pope, Chas., Glucose Co., Chicago. Glucose. | G-I-8 25 |
| 67. Post, C. C., Burlington, Vt. Sap spouts, bucket hangers, maple syrup. | H-G-1 21 |
| 68. Putnam, W. H., River Falls, Wis. Bee-hives. | Sec. H 26 |
| 69. Root, A. I., Medina, Ohio. Bee-keepers' supplies. | H-O-4 26 |
| 70. Schall & Co., New York. Confectionery ornaments. | G-E-8 27 |
| 71. Vermont Maple Sugar Exhibit. Maple sugar and syrup. | H-I-9 21 |
| 72. Walburn-Swenson Company, Chicago. Beet sugar plant. | E-K-11 20 |
| 76. Armour Packing Co., Kansas City, Mo. | F-C-9 |
| <i>a</i> Canned meats. | 36 |
| <i>b</i> Soups. | 37 |
| 77. Armour & Co., Chicago. D-A-1 | |
| <i>a</i> Canned meats. | 36 |
| <i>b</i> Canned soups. | 37 |
| <i>c</i> Extract of beef. | 38 |
| For exhibit see page 1000. | |
| 78. Barnett Produce Company, Chicago. Sauer kraut. | H-F-7 36 |
| 79. Bovinine Co., New York. Extract of beef. | F-H-8 38 |
| 80. Burnham & Morrill Co., Portland, Maine. | H-D-9 |
| <i>a</i> Canned meats. | 36 |
| <i>b</i> Canned soups. | 37 |
| 81. Cowdrey, E. T., Co., Boston. | |
| <i>a</i> Deviled ham. | F-E-6 36 |
| <i>b</i> Soups. | 37 |
| 82. Cudahy Packing Co., South Omaha, Neb. | D-D-O |
| <i>a</i> Canned meats. | 36 |
| <i>b</i> Extract of beef. | 38 |
| 83. Curtice Bros. Co., Rochester, N. Y. | |
| <i>a</i> Canned meats. | F-M-8 36 |
| <i>b</i> Canned vegetables and fruits; plum puddings. | 37 |
| 84. Curtice-Olney Co., Rochester, N. Y. Canned corn and succotash. | H-I-9 37 |
| 85. Elgin Condensed Milk Co., Elgin, Ill. Condensed milk and cream. | G-D-5 39 |
| 86. Erie Preserving Company, Buffalo, N. Y. Canned vegetables. | H-L-8 37 |
| 87. Fairbank Canning Company, Chicago. | |
| <i>a</i> Canned meats. | D-B-1 36 |
| <i>b</i> Canned soups. | 37 |
| 88. Fernald, Keen & True Co., West Poland, Me. Canned sugar-corn. | H-J-8 37 |
| 89. Franco-American Food Co., New York. | F-I-7 |
| <i>a</i> Game pates. | 36 |
| <i>b</i> Soups, etc. | 37 |
| 90. Grand Traverse Chipped Potato Company, Traverse City, Mich. Chipped potatoes. | H-I-6 37 |
| 91. Groves, Jacob H., Portland, Maine. Potato chips. | H-K-4 37 |
| 92. Heinz, H. J. Co., Pittsburg, Pa. Fruit butter. | F-D-7 & E-D-7 37 |
| 93. Helvetia Milk Condensing Co., Highland, Ill. Evaporated cream. | G-C-5 39 |
| 94. Howell Condensed Milk & Cream Co., Goshen, N. Y. Evaporated milk and sterilized cream. | G-E-5 39 |
| 95. Huckins, J. H. W., & Co., Boston. | |
| <i>a</i> Sandwich meats. | F-J-9 36 |
| <i>b</i> Canned soups. | 37 |
| 96. Humbert, Henry, & Co., Brooklyn, N. Y. Jelly, soups. | H-I-8 37 |
| 97. Libby, McNeill & Libby, Chicago. | |
| <i>a</i> Potted meats, soups. | F-B-8 37 |
| <i>b</i> Beef extract. | 38 |
| 98. Morris, Nelson, & Co., Chicago. | |
| <i>a</i> Dried beef. | D-C-0 33 |
| <i>b</i> Smoked pork, hams and bacon. | 34 |
| <i>c</i> Extracts of beef and hog products. | 38 |
| 99. National Pure Food Co., Cincinnati. Canned soups, plum pudding, etc. | F-F-9 37 |

GROUP 6.

Preserved Meats and Food Preparations.

- | | |
|--|----------|
| 73. American Lactose Company, New York. Milk sugars. | G-F-8 39 |
| 74. American Ready Food Co., Chicago. Condensed soups. | F-C-7 37 |
| 75. Anglo-American Provision Co., Chicago. Hog products. | D-D-0 36 |

UNITED STATES.

100. New York Condensed Milk Co., New York. Condensed milk, evaporated cream. G-C-6 39
101. North Packing & Provision Co., Boston. Salted meats. D-D-0 35
102. North Packing & Provision Co., Boston. D-B-0
- a* Dried beef. 33
- b* Hams and bacon. 34
- c* Salted meats. 35
- d* Tongues, tripe, pigs' feet, sausages and pepsin. 37
- For exhibit see page 425.
103. Schepp, Leopold, New York. Cocoa-nut. F-F-5 37
104. Snider, The T. A., Preserve Co., Cincinnati. Soups. F-B-9 37
105. Societe Faiene Lactee, Vercy, Switz. Condensed milk. G-G-5 39
106. St. Charles Evaporated Cream Company, St. Charles, Ill. Evaporated cream. G-D-6 39
107. Straus, Elise, St. Louis. Food preparations. H-Y-8 37
108. Swift and Company, Chicago. D-E-0
- a* Dried beef. 33
- b* Hams and bacon. 34
- c* Salted meats. 35
- d* Beef extracts; beef and hog products. 37
- e* Fresh meats.
109. Tanty, F., & Co., Chicago. F-D-4
- a* Canned meats, patés, game, etc. 36
- b* Soups and plum pudding. 37
- GROUP 7.**
- The Dairy and Dairy Products.**
110. American Mfg. Co., Waynesboro, Pa. Creamers. H-J-1 44
111. Andrews, N. S., Dubuque, Iowa. Churns, milk testers. D-1 44
112. Baldwin Woodenware Co., La Fayette, Ind. Churns. I-E-1 44
113. Boyd, John, Chicago.
- a* Creamer. 41
- b* Cream and cheese vats. 44
114. Buckeye Churn Co., Sidney, Ohio. Churns. I-G-1 44
115. Columbia Cream Separator Co., Avon, N. Y. Cream separators. I-D-1 44
116. Cornish, Curtis & Greene Mfg. Co., Fort Atkinson, Wis. Dairy implements. I-K-1 44
117. Cross, Isaac T., & Co., Watertown, N. Y. Churns. H-I-1 44
118. Creamery Package Mfg. Co., Chicago. Dairy supplies and fittings. H-B-1 44
119. Davis & Rankin Building & Manufacturing Co., Chicago. Dairy machinery. I-F-1 44
120. DeLaval Separator Co., New York. Cream separators, churn attachments. I-H-1 44
121. Deuscher, H. P., Company, Hamilton, Ohio. Churn. E-R-10 44
122. Diamond Balance Churn Co., Ballston, N. Y. Churns. H-D-1 44
123. Dickson, Charles J., Margareville, N. Y. Cream raiser and cream heater. I-E-1 41
124. Elsworth, Edw., & Co., New York. Dog biscuit. 41
125. Embree, P., & Son, West Chester, Pa. Butter worker. I-C-1 44
126. Embree, P., & Son, West Chester, Pa. Butter worker. I-D-1 44
127. Evans & Heulings, Haddonfield, N. J. Dairy appliances. I-L-1 44
128. Flint Cabinet Creamery Co., Flint, Mich. Creamery supplies. I-H-1 44
129. Genesee Salt Co., New York. Salt. H-B-1 44
130. Hansen's, Chr., Laboratory, Little Falls, N. Y. Dairy supplies. I-E-1 44
131. Jack Frost Freezer Co., New York. Ice cream freezers. H-C-1 41
132. Jaque, Joseph, St. Louis. Churn. H-L-1 44
133. Leonard, Orin, Belvidere, Ill. Cream cooler. H-G-1 44
134. Ludington Woodenware Co., Ludington, Mich. Butter molds, etc. H-K-1 44
135. Magic Freezer Co., Chicago. Ice cream machines. H-J-1 44
136. Marquis, James B., Norwich, N. Y.
- a* Butter. I-L-1 42
- b* Cheese manufacture. 43
137. Mears, C., & Son, Bloomsburg, Pa. Churn. H-G-1 44
138. Moseley & Pritchard Mfg. Co., Clinton, Iowa. Dairy supplies. I-C-1 44
139. North Western Butter & Cheese Co., Romeoville, Ill. Cheese. Dairy Bldg. 43
140. Reid, A. H., Philadelphia. Dairy appliances. I-J-1 44
141. Romney, Caroline Westcott, Chicago. Milk cooler. I-J-1 41
- 141a. St. Charles Evaporated Cream Co., St. Charles, Ill. Evaporated cream. 39
142. Scoville, E. U., Manlius, N. Y. Faucets. I-F-1 44
143. Sharples, Philip M., Elgin, Ill. Cream separators. H-I-1 44
144. Simpson, McIntire & Co., Boston. Butter in sealed tins. H-G-8 42
145. Strickler, J. S., & Co., Sterling, Ill. Butter color. I-B-1 44
146. Thatcher Mfg. Co., Potsdam, N. Y. Dairy supplies. I-K-1 44
147. Upton Mfg. Co., West Upton, Mass. Milk aerator. H-L-1 41
148. Vermont Farm Machine Company, Bellows Falls, Vt. Dairy appliances. I-M-1 44
149. Watson, Abraham, New York. Ice cream freezers. J-C-1 44
150. Wells & Richardson Co., Burlington, Vt. Butter and cheese color. I-J-1 44
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- Tea, Coffee, Spices, Hops, and Aromatic and Vegetable Substances.**
151. Antonsanrti, M., & Co., New Dorp, N. Y. Sauces. F-H-5 47
152. Baker, Walter, & Co., Dorchester, Mass. Chocolate and cocoa. G-G-4
- Special bldg. 45
- For exhibit see page 342.
153. Baron Machine Co., Baltimore, Md. Cigar bunching machine. E-C-2 49
154. Clark Coffee Co., Boston. Combination of cocoa and coffee. H-C-7 45
155. Consolidated Cigarette Company, New York. Cigarettes. I-H-8 52

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156. 150 Connecticut Farmers, Connecticut leaf tobacco. Sec. G 48
157. Curtice Bros. Co., Rochester, N. Y. Tomato ketchup. F-M-8 47
158. Devoe, Augustus A., Spotswood, N. J. Snuff. I-G-7 52
159. Dieter, The J. P., Co., Chicago. a Roasted coffees. H-E-7 45
b Spices and mustard. 47
160. Doan, H. A., Philadelphia. Pulverized coffee. H-K-9 45
161. Durkee, E. R., & Co., New York. Spices, mustard, sauces, etc. F-L-9 47
162. Ellinger, Julius, & Co., New York. Cigars. I-I-7 52
163. Empire State Cigar Machine Company, Philadelphia. Cigar machines. E-C-2 49
164. Garcia, F. A., & Co., New York. Cigars. I-E-9 52
165. Gits & Van Hee, Ghent, Minn. Chicory coffee and root. H-K-9 45
166. Graf, Wm., & Co., Milwaukee, Wis. Cigars. I-J-7 52
167. Gulden, Chas., New York. Mustard. F-I-7 47
168. Heinz, H. J., Co., Pittsburg, Pa. Pickles and other condiments. F-E-7 & F-D-7 47
169. Huylers, New York. Chocolates and cocoa. G-E-7 45
170. International Cigarette Machine Co., Richmond, Va. Cigarette machines. I-M-8 49
171. Kerbs, Wertheim & Shiffer, New York. Cigars. I-C-9 52
172. Kimbal, Francis A., National City, Cal. Olives. H-F-6 47
173. Krembs & Co., Chicago. Chicory. H-D-7 45
174. Kresl & Mallue, Chicago. Cigar molds, manufacturers' supplies. Sec. I 49
175. Kyriazi freres, Cairo, Egypt. Cigarettes. I-F-8 52
176. Lompoc Exhibit, Santa Barbara, Cal. Mustard. Sec. H 47
177. Lorillard, P., Co., Jersey City, N. J. a Tobaccos. I-B-9 51
b Snuff. 52
178. Lozano, Pendas & Co., New York. Cigars. I-E-7 52
179. Maillard, Henry, New York. Cocoa; chocolate. Q-B-7 45
180. McIlheny's Son, E., New Iberia, La. Pepper sauce; pepper. H-K-7 47
181. Millar, E. B., & Co., Chicago. Spices; condiments. H-B-9 47
182. National Pure Food Co., Cincinnati. Catsup. F-F-9 47
183. Nestor Gianoclis, Cairo, Egypt. Cigarettes. I-G-9 52
184. New England Tobacco Growers' Ass'n, Poquonock, Conn. Leaf tobacco. I-G-9 48
185. New England Tobacco Growers' Ass'n, East Hartford, Conn. Leaf tobacco. I-G-8 48
186. New York Condensed Milk Co., New York. Extract of coffee. G-C-6 45
187. Ottenberg, L., & Co., New York. Cigars. I-G-9 52
188. Portuondo, Juan F., Cigar Mfg. Co., Philadelphia. Cigars. I-E-9 52
189. Richardson, Chas., Fredericksburg, Va. Pickles. H-K-7 47
190. Sanchez & Haya, New York. Cigars. I-K-7 52
191. Seidenberg & Co., New York. Cigars. I-H-7 52
192. Snider, T. A., Preserve Co., Cincinnati. Chili sauce and catsup. F-B-9 47
193. Stachelberg, M., & Co., New York. Cigars. I-L-7 52
194. Stahl, Jacob, Jr., & Co., New York. Cigars. I-D-8 51
195. Surbrug, John W., New York. Smoking tobacco. I-D-9 51
196. Upmann, Carl, New York. Cigars. I-K-9 52
197. Van Houten, C. J., & Zoon, Chicago. Cocoa. Special bldg. 45
For exhibit see page 345.
198. Warren Cigar Co., Flint, Mich. Cigars. I-H-7 52
199. Whiton, Nash & Co., New York. Salt. H-F-1 47
200. Vallens, Eugene, & Co., Chicago. Cigars. I-D-7 52
201. Ybor, V. M., & Manrara, New York. Cigars. I-F-7 52

GROUP 9.

Animal and Vegetable Fibres.

202. American Cotton Oil Co., New York. Cotton seed oil and products. C-H-0 56
203. Armour & Co., Chicago. Wool. D-A-1 60
For exhibit see page 1000.
204. Brinker, Jos. H., West Point, Miss. Baled cotton. C-D-0 53
205. Bradley, David, Manufacturing Company, Chicago. Cotton planters. E-J-10 55
206. Chase Cotton Gin Company, Milford, Mass. Cotton gins. E-R-1 55
207. Deere & Mansur Co., Moline, Ill. Cotton planter. E-G-10 55
208. Eagle Cotton Gin Company, Bridgewater, Mass. Cotton gins, conveyors, press, etc. E-Q-1 55
209. Engelberg Huller Company, Syracuse, N. Y. Cotton gin. E-C-5 55
210. Gullett Gin Company, Amite City, La. Cotton gins, distributors, press, etc. E-R-1 55
211. Hussey, Geo. B., Providence, R. I. Bale covers. F-D-4 55
212. Laney, Arnon, Miles City, Montana. Fleece of wool. Sec. G 60
213. Martin, Robert J., Billings, Mont. Fleeces of wool. Sec. G 60
214. McGirl, Thomas, Billings, Mont. Wool. Sec. G 60
215. Munger Improved Cotton Machine Co., Birmingham, Ala. Cotton gin, presses and machinery. E-R-2 55
216. Jenizen, E. M., & Bro., Shawmut, Montana. Fleece of wool. Sec. G 60
217. National Cotton Gin & Wool Burrer Co., Boston. Cotton gin, feeder and wool burrer. E-R-1 55
218. Thomas M'fg Co., Little Rock, Ark. Cotton gin, presses, feeders, etc. E-R-1 55
219. Wallis, Lisenard Cotton Picker & Machinery Co., New York. Cotton picker. 55

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GROUP 10.

Pure and Mineral Waters, Natural and Artificial.

220. Allouez Mineral Spring Co., Green Bay, Wis. Mineral water, ginger ale. I-G-4 64
221. Bowden Lithia Springs Co., Lithia Springs, Ga. Mineral water. I-F-6 64
222. Brown & Logan, Chicago. Mineral water. J-E-4 64
223. Burr, William H., Janesville, Wis. Mineral water. I-J-4 64
224. Excelsior Springs Company, Excelsior Springs, Mo. Mineral waters and ginger ale. I-C-5&I-D-5 64
225. Forbes, J. P., & Co., San Francisco. Mineral water. I-E-6 64
226. Garrigues, Samuel F. W., Woodbury, N. Y. Mineral water. G-M-8 64
227. Goode, Thomas F., Buffalo Lithia Springs, Va. Mineral water. I-D-6 64
228. Londonderry Lithia Spring Water Co., Nashua, N.H. Mineral water. I-D-6 64
229. Manitou Mineral Water Co., Manitou, Colo. Mineral waters, ginger champagne and sarsaparilla. I-B-4 64
- 229a. Morgan, John, New York. Mineral water. 64
For exhibit see page 1004.
230. Pikes Peak Mineral Water Company, Manitou, Col. Mineral water and ginger ale. G-G-5 64
231. Ricker, Hiram, & Sons, South Poland, Me. Mineral water. I-B-6 64
232. Ries, Jacob, Shakopee, Minn. I-K-6 64
a Natural mineral waters. 64
b Ginger ale, sarsaparilla, soda, etc. 65
233. Salutaris Co., St. Clair Springs, Mich. Mineral water. I-C-5 64
234. Schmidt, J. P. C., Green Bay, Wis. Mineral water. I-E-4 64
235. Stafford Mineral Spring & Hotel Co., New Orleans. Mineral water. G-F-9 64
236. Underwood Co., Falmouth Foreside, Maine. Mineral water. I-K-6 64
237. Waukesha Lithia Spring Co., Chicago. Mineral water. I-G-6 64
238. Waukesha Lithia Spring Co., Waukesha, Wis. Mineral water. I-G-6 64

GROUP 11.

Whiskies, Cider, Liqueurs and Alcohol.

239. Bernheim Bros., Louisville, Ky. Sour mash whiskies. South of Annex. 66
240. Burrell Bros., Freeport, Ill. Vinegar. H-G-9 71
241. Cushing Process Company, Boston.
a Bourbon and rye whiskies. H-G-7 66
b Rum and brandy. 67
242. Dallemand & Co., Chicago. Rye whisky. I-L-5 66
243. De Lissa, Alpha S., Philadelphia. Fancy drinks and cocktails. I-G-4 70
244. Franchi, Emilio M., New York. Vermouth. Sec. I 69
245. Guckenheimer, A., & Bros., Pittsburg, Pa. Rye whisky. I-L-5 66
246. Hannis Distilling Company, Philadelphia. Rye whiskies. I-J-5 66
For exhibit see page 631.
247. Heinz, H. J., Co., Pittsburg, Pa. Vinegar. F-D-7 & E-7 71

248. Large Distilling Company, Pittsburg, Pa. Whisky. I-F-5 66
249. Lee, J. L., Williamstown, Ky. Bourbon whisky. I-H-5 66
250. Lockhart Chemical Co., Chicago. Orange cider. H-G-9 71
251. Mattingly & Moore Distilling Co., Bardstown, Ky. Whisky. I-K-5 66
252. Mihalovitch, Fletcher, & Co., Cincinnati. Liquors in cases. I-I-6 66
253. Moore & Sinnott, Philadelphia. Whisky. I-J-6 66
For exhibit see page 422.
- 253a. Old Times Distillery Co., Louisville, Ky. Whisky. 66
254. Osborn, John, Son & Co., New York. Rye whisky. I-K-4 66
256. Rheinstrom Bros., Cincinnati.
a Whiskies. I-F-5 66
b Liquors. 69
c Bitters. 70
257. Schuetz, Renziehausen & Co., Pittsburg. Rye whisky. I-M-5 66
258. Ulman-Goldsborough Co., Baltimore. Whiskies. I-J-4 66
259. Wolfe's Udolpho, Son & Co., New York. Schnapps. I-H-4 69

GROUP 12.

Malt Liquors.

260. Anheuser-Busch Brewing Association, St. Louis. Lager beer. I-M-10 73
261. Barrett Brewing Co., Cleveland, Ohio. Beer, ale, porter. Sec. I 73
262. Beadleston & Woerz, New York. Lager beer, ales, porter. G-M-7 73
263. Bergner & Engel Brewing Co., Philadelphia. Beer, ale, porter. I-M-9 73
264. Besley's Waukegan Brewing Company, Waukegan, Ill. Ale and porter. G-N-5 73
265. Betz, John F., & Son, Philadelphia. Beer, ale, stout. G-N-5 73
266. Evans, C. H., & Sons, Hudson, N. Y. Ale, stout. G-O-5 73
267. Greenway Brewing Co., Syracuse, N. Y. Ale, stout. I-M-6 73
268. Hires, Chas. E., Co., Philadelphia. Root beer in packages. I-M-5 73
269. Lammers, C. A., Denver, Col. Beer. G-M-6 73
270. Lemp Brewing Co., William J., St. Louis. Beer. G-M-9 73
For exhibit see page 493.
271. Liebmann's, S., Sons Brewing Co., Brooklyn, N. Y. Lager beer. G-M-8 73
272. Mayer, David, Brewing Co., New York. Lager beer, ales. I-O-4 73
273. Moerlein, Christian, Brewing Co., Cincinnati. Lager beer. I-M-7 37
274. New Orleans Brewing Association, New Orleans. Beer. G-M-7 73
275. North Western Brewing Co., Chicago. Lager beer. I-M-8 73
276. Pabst Brewing Co., Milwaukee, Wis.
a Malt extract. G-M-10 72
b Beer. 73
For exhibit see page 625 to 628.
277. Peoria Malting Company, Peoria, Ill. Malt. I-M-4 72
278. Schlitz, Jos., Brewing Co., Milwaukee, Wis. Lager beer. I-H-5 73

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279. Smith, Robert, India Pale Ale Brewing Co., Philadelphia. G-M-8
a Malt extract. 72
b Ale, stout. 73
280. Stroh, B., Brewing Co., Detroit, Mich. Lager beer. G-M-6 73
281. Voigt Brewing Co., Detroit, Mich. Beer, nutrient malt. I-M-8 73
282. Voigt Brewery Company, The, Detroit, Mich. I-M-8
a Extract of malt. 72
b Beer. 73
283. Weidemann, Geo., Brewing Co., Newport, Ky. Beer. J-63 73
284. Weiss, Geo. A., Malting & Elevator Co., Chicago. Barley malt. G-M-7 72

GROUP 13.

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

285. Barber, Joseph G., Brodhead, Wis. Farm gates. F. ex. 79
286. Behringer Malt Cleaning Machine Company, Lansing, Ill. Malt cleaning machine. E-A-1 76
287. Chicago Corrugated Shaving Company, Chicago. Beer and vinegar shavings; barley washer and conveyor. E-A-2 74
288. Crown Cork & Seal Co., Baltimore. Machinery for sealing bottles. E-A-2 77
289. German American Filter Company, New York. Beer filtering apparatus. E-A-1 76
290. Kaestner, Chas., & Co., Chicago. Malt mills. E-B-1 74
291. Kiefer, Karl, Cincinnati. Apparatus for filling bottles and barrels. E-A-2 77
292. Olsen & Tilgner, Chicago. Hydraulic mash machine and malt mill. E-C-1 74
293. Saladin Pneumatic Malting Construction Co., Chicago. Germinating compartment and malting grain. E-B-1 74
294. Stollstorff, August, Chicago. Revolving branding iron. E-R-11 77

GROUP 14.

Farms and Farm Buildings.

295. Allis, Elliot W., Adrian, Mich. Permanent and portable fence. F. ex. 79
296. Andre, T. J., Wauseon, Ohio. Fence and wire stretcher. F. ex. 79
297. Barnes Iron Fence Co., Philadelphia. Iron and steel fences. F. ex. 79
298. Bonnaffon, Albert L., Philadelphia. Steel fence. F. ex. 79
299. Buckley, C. E., Dover Plains, N. Y. Stable fittings. Live Stock Bldg. 82
300. Cornell, Geo. E., East Saginaw, Mich. Gate. F. ex. 79
301. Cochrane & Co., Ionia, Mich. Wire fence weaving machine. F. ex. 79
302. Crane, J. J., Summertown, Tenn. Metal fence post and hooks. F. ex. 79
303. Eureka Gate Co., Waterloo, Ia. Gates. F. ex. 79
304. Hack, Peter, Michigan City, Ind. Gate. F. ex. 79

305. Hunley, Harris & Co., Richmond, Ky. Hedge and wire fence. F. ex. 79
306. Jackson, George, Mapleton, Ind. Stable fittings. Live Stock Bldg. 82
307. Jones National Fence Co., Columbus, O. Wire fence. F. ex. 79
308. Mast, Foos & Co., Springfield, Ohio. Fencing. F. ex. 79
309. Taylor, Andrew W., Wayne, Neb. Gate and spike puller. F. ex. 79
310. Thompson, A. L., East Avon, N. Y. Tightener and fastener for wire fencing. F. ex. 79

GROUP 16.

Farming Tools, Implements and Machinery.

311. Aermotor Company, Chicago. Wind mills, feed grinders and cutters. W. ex. 88
312. Adriance, Platt & Co., Poughkeepsie, N. Y. Binder, reaper, mowers and dropper. E-N-8 86
313. Aldrich, Wm. H., Logansport, Ind. Wind engines. W. ex. 88
314. Allen, S. L., & Co., Philadelphia. Drills, plows, cultivators, hillers and diggers. E-N-10 84
315. Althouse Wheeler Company, Wau-pun, Wis. Wind and grinding mills. N. ex. 88
316. American Chemical Co., Minneapolis, Minn. Car cleaner. F-J-4 86
317. American Harrow Company, Detroit, Mich. E-P-8
a Harrow, cultivator, seeder and plow. 84
b Stalk cutter and bean harvester. 88
318. American Tillage Company, New York. Steam plow and seeder. T. E. ex. 84
319. American Well Works, Aurora, Ill. Windmill, pumps. W. ex. 88
320. Ann Arbor Agricultural Company, Ann Arbor, Mich. E-P-5
a Hay press. 87
b Hay cutters, horse power and jack. 88
321. Appleton Manufacturing Company, Appleton, Wis. E-C-4
a Seeder. 85
b Corn shellers. 87
c Feed cutters, etc. 88
322. Aspinwall Manufacturing Company, Jackson, Mich. Potato planters, cutters and digger; drill. E-P-10 85
323. Astor, John Jacob, New York. Road improver. E-E-10 89
324. Aultman & Taylor Machinery Co., Mansfield, Ohio. E-A-9
a Straw stacker. 86
b Threshing machines. 87
c Traction engine. 89
325. Avery, B. F., & Sons, Louisville, Ky. E-H-11
a Plows and Cultivators. 84
b Planters, etc. 85
326. Avery Planter Company, Peoria, Ill. E-K-11
a Cultivators. 84
b Planter and check rower; drill. 85
327. Avery & Rouse Steam Thresher Co., Peoria, Ill. E-C-11
a Separator. 87
b Traction engine. 89

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328. Austin, F. C., Manufacturing Company, Chicago. Steam generator, feed mills and rock drill. E-E-11 88
329. Baker Manufacturing Company, Evansville, Wis. Wind mills. W. ex. 88
330. Barlow Corn Planter Co., Quincy, Ill. Corn planters. E-M-1 85
331. Bateman, E. S. & F., Greenloch, N. J. E-O-1
a Cultivators and plows. 84
b Drills. 85
332. Bayless, Frank, Wilberforce, Ohio. Corn planter. E-E-9 85
333. Belle City Manufacturing Company, Racine, Wis. E-P-5
a Threshing machine. 87
b Horse powers and feed cutters. 88
334. Bender, John O., & Co., Fayetteville, N. Y. Transplanting machine. E-R-11 85
335. Benster, Olin W., Toledo, Ohio. Wind engine. W. ex. 88
336. Bickford & Huffman Co., Macedon, N. Y. Fertilizer grain drill. E-P-3 85
337. Birdsall Company, Auburn, N. Y. E-B-11
a Thresher and separator. E-B-11 87
b Traction engine. 89
338. Birdsall Co., Auburn, N. Y. E-A-8
a Thresher. E-A-8 87
b Traction engine. 89
339. Birdsell Manufacturing Company, South Bend, Ind. Clover hullers. E-B-11 87
340. Bissell Chilled Plow Works, South Bend, Ind. Plows. E-P-11 84
341. Bowman & Allen, Dayton, Ohio. Tobacco miller. E-R-6 84
342. Bowsher, D. J., & Sons, Cadillac, Mich. Combination planter. E-M-11 85
343. Bowsher, N. P., South Bend, Ind. Feed mills. E-E-4 88
344. Boyle & Calleton, Grand Rapids, Mich. Portable engine. South of Annex. 88
345. Bradley, David, Manufacturing Company, Chicago. E-J-10
a Plows, cultivators and harrows. 86
b Stalk cutters. 88
 For exhibit see page 633.
346. Brennan & Co., Louisville, Ky. E-N-4
a Grain drill, spring hoe, drill and fertilizer. 85
b Cane mill and evaporator. 88
347. Brook Lawn Farm Company, Esopus, N. Y. Fruit press. E-E-3 87
348. Buchanan, Jos. W., Indianapolis, Ind. Plows. E-L-11 84
349. Butterworth, Robert, Chicago. Cider presses. E-E-4 88
350. Cardwell Machine Company, Richmond, Va. E-O-1
a Corn planter and attachment. 85
b Threshers; baling press; tobacco moulds; peanut picker, etc. 87
c Feed cutters. 88
351. Cascaden, Thomas, Waterloo, Iowa. Farm kettles and feed grinders. E-C-2 88
352. Challenge Windmill & Feedmill Co., Batavia, Ill. Windmills, tanks, feed grinders, corn shellers, etc. W. ex. 88
353. Champion Drill Company, Avon, N. Y. Grain and fertilizer drills. E-N-2 85
354. Chanler, John A., New York. Method of constructing roads. Road ex. 89
355. Chattanooga Plow Company, Chattanooga, Tenn. Plows. E-E-11 84
356. Climax Road Machine Company, Marathou, N. Y. Road machine. Road ex. 89
357. Clipper Chilled Plow Company, Elmira, N. Y. E-O-11
a Plows, harrows and cultivators. 84
b Hay rake. 86
358. Coates, A. W., Company, Alliance, Ohio. Hay rakes. E-E-5 86
359. Cole Bros. Prong Plow Co., Greencastle, Ind. Prong plow. E-L-11 84
360. Collins Plow Co. E-R-10
a Plows and cultivators. 84
b Baling presses. 87
361. Columbian Cordage Company, Auburn, N. Y. Binding twine. E-R-2 86
362. Common Sense Engine Company, Muncie, Ind. E-P-6
a Corn planters and check rowers. 85
b Grinding mill and upright engine. 88
363. Connor, Charles K., New Philadelphia, Ill. Corn harvester. E-N-3 86
364. Crane Machine Company, Baltimore. E-P-7
a Combined roller, drill and harrow. E-P-7 84
365. Craver & Steele Mfg. Co., Harvey, Ill. E-E-5
a Grain header. E-E-5 86
b Grain drill and pea planter. 85
366. Crown Point Manufacturing Company, Crown Point, Ind. Feed mill and horse power. E-A-3 88
367. Cutaway Harrow Company, Higganum, Conn. E-R-10
a Harrows, plows and cultivators. 84
b Root cutter, tool grinder, etc. 88
368. Davenport, Joseph P., Downers Grove, Ill. Potato planter. E-E-10 84
369. Dayton Farm Implement Company, Dayton, O. Harrows and combined harrow and seeder. E-R-11 84
370. Decorah Windmill Co., Decorah, Ia. Windmills. W. ex. 88
371. Dederick, P. K. & Co., Albany, N. Y. Mounted engine. E-R-4 88
372. Deere & Mansur Co., Moline, Ill. E-G-10
a Planters, drills, etc. E-G-10 85
b Hay loader. 86
373. Deere & Co., Moline, Ill. Plows and cultivators. E-I-11 84
374. Deering, Wm., & Co., Chicago. Harvesting machinery. E-1-6-7 86
375. Derby & Ball, Bellows Falls, Vt. Scythe snaths. E-A-6 86
376. Deuscher, H. P., Company, Hamilton, Ohio. E-R-10
a Harrows and pulverizers. 84
b Corn planters. 85
377. Dowagiac Manufacturing Company, Dowagiac, Mich. Grain drills. E-N-6 85
378. Dowden Manufacturing Company, Prairie City, Ia. Potato harvester and cutter. E-P-9 84
379. Eclipse Corn Planter Co., Enfield, N. H. Corn planter and fertilizer distributor. E-R-11 85
380. Eclipse Manufacturing Company, Middlebury, Conn. Grain and seed separator and grader. E-P-10 87

DEPARTMENT A—AGRICULTURE.

381. Eclipse Wind Engine Company, Beloit, Wis. Windmill. W. ex. 88
For exhibit see page 769.
382. Elliott, Wm. S. G., & Son, Walden, N. Y. Mowing machine. E-M-1 86
383. Emerson, Talcott & Co., Rockford, Ill. Mowers, tedders, rakes. E-G-7 86
384. Empire Drill Co., Shortsville, N. Y. Grain drills, plaster sower. E-N-5 85
385. Engelberg Huller Company, Syracuse, N. Y. Rice and coffee huller. E-C-5 87
386. Eureka Mower Company, Utica, N. Y. E-E-3 84
a Mower. 84
b Harrow and cultivator. 86
387. Everitt, James A., Indianapolis, Ind. a Cultivator and plow. E-E-9 84
b Seed drill. 85
389. Excelsior Harrow Company, Big Springs, Ohio. Harrow and pulverizer. E-E-10 84
390. Famous Manufacturing Company, Chicago. Baling presses. E-P-3 86
391. Farmers' Friend Manufacturing Company, Dayton, Ohio. E-P-3 84
a Harrow. 84
b Drills, corn planters and check rower. 85
c Hay rake and loader; mower. 86
392. Farquhar, A. B., & Co., York, Pa. E-E-3 84
a Plows, harrows and cultivators. 84
b Corn planter and grain drill. 85
c Rake separator. 86
d Thrasher and vibrator. 87
e Corn sheller; portable engine. 88
393. Field, J. A., Manufacturing Company, St. Louis. E-G-5 87
a Fruit evaporator, corn shellers, feed cutters, etc. 87
b Sugar and feed mills. 88
394. Flint & Walling Manufacturing Co., Kendallville, Ind. Windmills and attachments. W. ex. 88
For exhibit see page 444.
395. Fogle, H. C., & Co., Stillwater, Minn. Mower. E-E-8 86
396. Foss Mfg. Co., Springfield, Ohio. E-A-4 85
a Corn planters. 85
b Corn harvesters. 86
c Corn shellers. 87
d Farm mills and grinders. 88
397. Freeman, S., & Sons Manufacturing Co., Racine, Wis. E-A-6 85
a Broad cast seed sower. 85
b Fanning mills and feed cutters. 88
398. Fuller & Johnson Manufacturing Co., Madison, Wis. E-O-11 84
a Plows and cultivator. 84
b Corn planter, check rower and transplanting machine. 85
399. Gale Mfg. Co., Albion, Mich. Tillage implements. E-F-11 84
400. Gaar, Scott & Co., Richmond, Ind. a Thresher. E-A-11 87
b Traction engine. 89
401. Geiser Manufacturing Company, Waynesboro, Pa. E-C-10 87
a Thresher, separator and cleaner. 87
b Traction engine. 89
402. Genesee Valley Manufacturing Company, Mt. Morris, N. Y. E-N-2 84
a Land rollers. 84
b Drill. 85
c Corn shellers. 88
403. Gillette Clipping Machine Co., New York. Horse clipping and sheep shearing machines. E-C-5 88
404. Globe Windmill Co., West Pullman, Ill. Windmill. W. ex. 88
405. Grand Detour Plow Company, Dixon, Ill. Plows, harrows and cultivators. E-G-10 84
406. Gray's, A. W., Sons, Middletown Springs, Vt. Thresher, separator and cleaner. E-R-11 88
407. Hall Mowing Machine Company, Portland, Me. Mowing machines. E-M-1 86
408. Hancock Rotary Plow Co., Indianapolis, Ind. Rotary plows. E-A-5 84
409. Haworth & Sons, Decatur, Ill. Corn planter, check rower. E-E-4 85
410. Hayes Pump & Planter Co., Galva, Ill. Corn planters, drill and shoveling boards. E-R-7 85
411. Heebner & Sons, Lansdale, Pa. E-R-4 87
a Threshers and cleaners. 87
b Feed mill and cutters with crushers. 88
412. Heller, Aller, & Co., Napoleon, O. Wind engines. W. ex. 88
413. Hendricks, D. B., Kingston, N. Y. Baling presses. E-R-2 87
414. Higbie, Nathaniel B., Chicago. Oats cleaner. E-R-6 87
415. Hoekstra, S. J., Sheboygan, Wis. Horse power. E-R-11 84
416. Hoover & Prout, Avery, Ohio. E-P-9 86
a Potato digger. 86
b Potato sorter and sprouter. 87
417. Huber Manufacturing Company, Marion, Ohio. E-A-7 87
a Thresher. 87
b Traction engine. 89
418. Hydraulic Press Manufacturing Company, Mt. Gilead, Ohio. Hydraulic power presses. E-C-2 87
419. Iwan Bros., Streator, Ill. Drain and tile cleaners and post-hole augers. E-R-11 88
420. Jacoby, T. C., Windmill Co., Moberly, Mo. Windmill. W. ex. 88
421. Johnson & Field Co., Racine, Wis. E-A-6 85
a Broadcast seeder. 85
b Fanning and cleaning mills. 87
422. Johnston Harvester Company, Batavia, N. Y. E-G-8 84
a Pulverizers and cultivators. 84
b Harvester and binder, reaper and mowers. 86
423. Joliet Manufacturing Company, Joliet, Ill. Corn shellers. E-E-4 87
424. Joliet Strowbridge Company, Joliet, Ill. E-R-10 85
a Grain seeders. 85
b Feed grinders. 88
425. Kaestner, Chas. & Co., Chicago. Grist and feed mills. E-B-1 88
426. Kappe, W. J. H., Quincy, Ill. Hay baling presses. E-R-11 87
427. Kemp & Burpee Mfg. Co., Syracuse, N. Y. Manure spreader. E-A-4 84

UNITED STATES.

428. Kent, Arthur C., Janesville, Wis.
Corn planters. E-R-7 85
429. Keystone Manufacturing Company,
Sterling, Ill. E-N-7 84
a Harrow. 85
b Sower and planter. 85
c Hay loader and rake. 86
d Corn shellers, huskers and harvest-
ers. 88
430. Kinnard Press Company, Minneap-
olis, Minn. Hay press. E-R-6 87
431. Kring Bros., Westerville, Ohio.
Stump and rock extractor. W. ex. 88
432. La Crosse Plow Works, La Crosse,
Wis. Harrows and plows. E-L-11 84
433. Lawrie, John, Brookston, Ind. Cul-
tivator. E-E-9 84
434. Lean, R., & Son, Mansfield, Ohio.
Harrows. E-Q-11 84
435. Macleod, Malcolm, Los Angeles, Cal.
Cultivator, rake and roller. E-R-9 84
436. Manchester Mfg Co., Denver, Col.
Hay press. E-P-4 87
437. Mast, Foos & Co., Springfield, Ohio.
Wind engine and pumps. W. ex. 88
438. Mast, P. P., & Co., Springfield, Ohio.
a Cultivator. E-N-7 84
b Grain drills; seeders. 85
c Hay rakes. 86
439. May Bros., Galesburg, Ill. Wind-
mill. W. ex. 88
440. McCallum, J., Manufacturing Com-
pany, Chicago. Potato digger, picker and
loader. E-E-10 86
441. McCormick Harvesting Machine Co.,
Chicago. Binders, reapers, mowers, drop-
pers, etc. E-J-5 86
442. McSherry Mfg. Co., Dayton, Ohio.
a Harrow. E-N-2 84
b Fertilizer drills. 85
443. Messinger, S. S., & Son, Tatamy, Pa.
E-N-2 84
a Thresher, separator and stacker. 87
b Corn sheller, feed cutter, land roller. 88
444. Meyer, F. E., & Bro., Ashland, Ohio.
Hay, tools and machinery E-L-10 28
445. Midland Mfg. Co., Kansas City, Mo.
Hay press. E-R-3 87
446. Miller, Aultman & Co., Akron, Ohio.
Binders and mowers. E-I-9 86
447. Milwaukee Harvester Company, Mil-
waukee, Wis. Harvester and binder,
mowers. E-E-6 86
448. Minneapolis Esterly Harvester Com-
pany, Minneapolis, Minn. Harvesters
and mowers. E-N-8 86
449. Minneapolis Threshing Machine
Company, Minneapolis, Minn. E-C-11 87
a Threshing machine, band cutter and
feeder and grain measurer and bag-
ger. 87
b Traction engines. 89
450. Moline Plow Company, Moline, Ill.
a Plows and cultivators. E-C-11 84
b Corn planter. 85
- For exhibit see page 634.
451. Morgan, D. S., & Co., Brockport,
N. Y. E-N-3 84
a Harrows and hoes. 84
b Reaper, mower and binder, hay
rake. 86
452. Morrison Manufacturing Company,
Fort Madison, Iowa. Plows, cultivators,
listers and harrows. E-R-11 84
453. Moulton, Edward C., San Francisco.
Pea sheller. E-A-3 87
454. Murphy, John, Columbus, Ohio. Brick
pavement. South of Annex. 89
455. Nash, D. H., Millington, N. J. Har-
row, clod crusher and leveler. E-E-10 84
456. Niles & Scott Co., LaPorte, Ind.
Implement wheels. E-A-6 86
457. Nordyke & Marmon Co., Indianapolis,
Ind. Mills and shellers. E-P-2 88
458. Nye, Sherman R., Chicopee Falls,
Mass. Horse rake. E-R-11 86
459. O'Hara, John H., Chicago. E-G-7 85
a Corn planter and harvester. 85
b Reaper and binder, hay rake and
tedder. 85
c Traction engine. 89
460. Oliver Chilled Plow Works, South
Bend, Ind. Plows and cultivators.
E-J-11 84
461. Osborne, D. M., & Co., Auburn, N.Y.
a Harrows. E-J-8 84
b Mowers, harvesters, binders, hay
rakes and tedders. 86
462. Owens, J. L., & Co., Minneapolis,
Minn. Fanning mills. E-P-3 87
463. Parrish, Heber, Morrison, Ill. Grain
separator and cleaner. E-A-6 87
464. Patch, Asahel H., Clarksville, Tenn.
Hand corn sheller. E-E-10 87
465. Pease, E. H., Manufacturing Com-
pany, Racine, Wis. Grain separator, oat
clipper and fanning mills. E-C-6 88
466. Perkins, H. H., Manufacturing Com-
pany, Kewanee, Ill. E-R-11 85
a Corn planter. 85
b Corn husker. 86
467. Perry, Judson D., Detroit, Mich.
Plow, pulverizer and potato digger.
E-E-10 84
468. Pirch, August, Los Angeles, Cal.
Irrigation and ditching plow. E-L-11 84
469. Plano Manufacturing Company, Chi-
cago. Binder, header and mowers.
E-E-8 86
470. Pope, John L., Cleveland, Ohio. Pavement.
E-R-11 89
471. Porter, E. A., & Bro., Bowling
Green, Ky. Feed cutter and feed crusher.
E-N-11 88
472. Porter, Jos. E., Ottawa, Ill. Hay
carriers. E-L-2 88
473. Potato Planter Co., Traverse City,
Mich. Potato planter. F-P-10 85
474. Price, L. J. & J. M., Macomb, Ill.
Syrup evaporator. E-A-6 88
475. Princess Plow Company, Canton,
Ohio. Plows. E-R-11 84
476. Quincy Baling Press Company,
Quincy, Ill. Baling press. E-R-2 87
477. Reed, John E., Los Angeles, Cal.
Rake roller-cultivator. E-L-11 85
478. Roberts, John H., Sacramento, Cal.
Traction engine. E-C-1 89
479. Roberts, Throp & Co., Three Rivers,
Mich. Thrashers, shellers. E-B-11 87
480. Robinson & Co., Richmond, Ind.
a Thresher. E-A-10 87
b Stackers and band cutter. 88
c Traction engine. 89

DEPARTMENT A.—AGRICULTURE.

481. Ross, E. W., Company, Springfield, Ohio. Fodder, straw and cane cutters. E-E-6 88
482. Sandwich Enterprise Co., Sandwich, Ill. E-G-11
- a* Cultivators, harrows. 84
b Cotton planter. 85
c Corn slicer. 88
483. Sandwich Manufacturing Company, Sandwich, Ill. E-G-7
- a* Harvester. 86
b Corn sheller and baling press. 87
484. Sattley Manufacturing Company, Springfield, Ill. E-G-11
- a* Plows, cultivators and harrows. 84
b Straw stacker. 87
485. Schleicher, Schumm & Co., Philadelphia. Gasoline engine. I. E. ex. 88
486. Seiberling, J. F., & Co., Akron, Ohio. Harvesting machinery. E-L-8 86
487. Skandia Plow Company, Rockford, Ill. E-N-10
- a* Plows, cultivators and harrows. 84
b Corn planters and listers. 85
488. Slauson, Daniel, Fulton, N. Y. Iron gate. South of Annex. 88
489. Smalley Manufacturing Company, Manitowoc, Wis. Ensilage and feed cutting machinery. E-E-7 88
490. Smith, Oliver A., Clarkston, Mich. Land roller and spraying pump. E-R-3 88
491. Smith, W., & Co., Mystic, Iowa. Stump extractor. F. ex. 88
492. South Bend Chilled Plow Company, South Bend, Ind. Plows and cultivators. E-P-11 84
493. South Bend Stacker Co., South Bend, Ind. Straw stackers. E-C-9 86
494. Star Drill Co., Rushville, Ind. Grain and fertilizer drills. E-G-10 85
495. Sterling Manufacturing Company, Sterling, Ill. E-G-5
- a* Harrows. 84
b Seeder. 85
c Corn stalk cutter; feed grinder. 88
496. St. Johnsville Agricultural Works, St. Johnsville, N. Y. E-A-6
- a* Grain thresher. 87
b Portable engine and horse power. 88
497. St. Joseph Manufacturing Company, Mishawaka, Ind. Plows and cultivator. E-M-11 84
498. Steel Platform Binder Co., Kamms, Ohio. Harvester and binder. E-M-1 86
499. Stevens, A. W., & Son, Auburn, N. Y. E-A-8
- a* Threshing machine. 87
b Traction engine. 89
500. Stoddard Manufacturing Company, Dayton, Ohio. E-R-8
- a* Harrow. 84
b Drills. 85
c Hay rakes and mower. 86
501. Stover Mfg. Co., Freeport, Ill. Windmill. W. ex. 88
502. Straub, A. W., Philadelphia. Grinding mills. E-C-6 88
503. Superior Drill Company, Springfield, Ohio. E-R-7
- a* Grain and fertilizer drills. 85
b Hay carriers and forks. 86
504. Superior Land Roller Company, Gettysburg, N. Y. Field rollers. E-I-11 84
505. Syracuse Chilled Plow Works, Syracuse, N. Y. E-I-10
- a* Plows and cultivators. 84
b Hay forks. 86
506. Thomas Manufacturing Company, Springfield, Ohio. E-P-7
- a* Harrow. 84
b Hay rakes and tedders. 86
507. Tousley Harvester Company, Jamestown, N. Y. Harvester and binder. E-A-3 86
508. Tucker, Irett F., Sumner, Mich. Windmill. W. ex. 88
509. United States Wind Engine Company, Batavia, Ill. Windmills and feed and grinding mills. W. ex. 88
10. Union Iron Works Co., Newark, O. Traction engine. I. E. ex. 89
511. Valley Iron Works Co., Appleton, Wis. Feed-grinding mills. E-A-5 88
512. Ward, Montgomery, & Co., Chicago. E-R-6
- a* Hay stacking and carrying apparatus. 86
b Corn grinders and shellers and bone grinder. 88
513. Warder, Bushnell & Glessner Co., Chicago. Mower, reaper and harvester. E-L-7 86
514. Westinghouse Company, Schenectady, N. Y. E-A-11
- a* Threshers. 87
b Traction engine. 89
515. Whitely, Wm. N., Company, Springfield, Ohio.
- a* Harvester, binder and mower. 86
b Corn-cutting machine. 88
516. Whitfield, Thomas, Chicago. Oats cleaner. E-A-2 87
517. Whitman Agricultural Co., St. Louis.
- a* Tread horse power. E-N-5 84
b Drill and sower. 85
c Baling presses; corn shellers. 87
d Corn and cob mills. 88
518. Whitman & Barnes Manufacturing Co., Akron, Ohio. E-I-5
- a* Cultivators. 84
b Reaper and mower. 86
c Engine and boiler. 88
519. Wilms, Peter H., Holland, Mich. Land roller and harrow. E-R-7 84
520. Wilson Bros., Easton, Pa. Bone mill and cutter. E-A-5 88
521. Wood, Walter A., Mowing & Reaping Machine Co., Hoosick Falls, N. Y. Harvester, binder, bundle carriers, mowers and hay rakes. E-J-4 86

GROUP 17.

Miscellaneous Animal Products—Fertilizers and Fertilizing Compounds.

522. Armour & Co., Chicago.
- a* Gelatine and glue. D-A-1 90
b Hair. 91
- For exhibit see page 1000.
523. Crystal Gelatine Co., Boston. Gelatine. H-I-7 90
524. Grace, Wm. R., & Co., New York. Nitrates of soda, potash, etc. F-C-1 93
525. Janesville Bone Fertilizing Chemical Works, Janesville, Wis. Fertilizers, etc. F-G-1 92

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- 526. Knox, Chas. B., Johnstown, N. Y. Gelatine. H-H-7 90
- 527. Mapes Formula & Peruvian Guano Co. Fertilizers and chemicals. F-J-1 92
- 528. McLeish, E. E., & Co., Buffalo, N. Y. Gelatine. H-H-7 90
- 529. Michigan Carbon Works, Detroit, Mich.
 - a Glue. F-B-1 90
 - b Fertilizers, ammonia. 92
- 530. North Packing & Provision Co., Boston. Fertilizers. D-D-0 92
- 531. Swift and Company, Chicago.
 - a Glue, horns, hoofs and bone. 90
 - b Fertilizing material. 92
- 532. Wiedersheim, John A., Philadelphia. Original letters patent for reaping and mowing machines. Entrance to Annex. 93

GROUP 18.

Fats, Oils, Soaps, Candles, Etc.

- 533. American Copper, Brass & Iron Works, Chicago. Brewers' supplies. E-A-1 95
- 534. Armour & Co., Chicago.
 - a Butterine. D-A-1 94
 - b Stearine. 97
 For exhibit see page 1000.
- 535. Baker Castor Oil Co., New York. Castor oil. F-J-4 95
- 536. Balcom, P. A., Soap Company, Denver, Col. Toilet soap. F-O-5 96
- 537. Baumer, Francis, Syracuse, N. Y. Candles and beeswax. F-J-6 97
- 538. Columbia Cleansing Compound Company, Chicago. Cleansing compound. F-H-1 96
- 539. Dall, Chas., Newburgh, N. Y. Cloth renovator. F-K-4 96
- 540. Dreydoppel, Wm., Philadelphia. Soaps. F-M-6 96
- 541. Ekermann & Will, Syracuse, N. Y. Beeswax and candles. F-K-6 97
- 542. Electric Cleanser Company, Canton, Ohio. Cleaning compound. F-M-8 96

- 543. Frazer Lubricator Co., Chicago. Grease and oil. F-M-7 98
- 544. Goodrich, Edward E., El Quito, Cal. Olive oil. H-J-5 95
- 545. Gross Bros., Milwaukee, Wis. Soap. F-M-8 96
- 546. Hooper, Geo. F., Sonoma, Cal. Olive oil. H-E-6 95
- 547. Johnson, Geo. T., Chicago. Eradicator. F-K-4 96
- 548. Kendall Mfg. Co., Providence, R. I. Soaps. F-M-6 96
- 549. Leonard & Ellis, Chicago. Lubricating oils. F-L-6 98
- 550. Miller, Wm. P., Company, Brooklyn, N. Y. Lubricating compounds. F-D-1 98
- 551. National Linseed Oil Co., Chicago. Oils oil cake and meal. C-A-0 95
- 552. Noonon, T. H., & Co., New York. Clothes and glove cleaner. 96
- 553. North Packing & Provision Co., Boston. Lard. D-D-0 94
For exhibit see page 425.
- 554. Ostrom & Lincoln Co., Bridgeport, Conn. Soaps and soap fixtures. F-M-6 96
- 555. Parret, Francis R., & Co., Brooklyn, N. Y. Eradicator. F-M-8 96
- 556. Scoville, E. U., Manlius, N. Y. Hay fork pulleys. I-F-1 96
- 557. Selby, Ralph R., Ballard, Cal. Olive oil. H-K-5 95
- 558. Smiths R. R. Axle Grease & Cooling Compound Co., Baltimore. Axle grease and cooling compound. F-H-1 98
- 559. Swift and Company, Chicago. Butterine, lard and oils. H-F-4 94
- 560. Wallace, D. O., & Co., Chicago. Furniture-cleaning compound. F-I-6 95
- 561. Ward, Everett, New York. Soaps and soap powder. F-M-7 96
- 562. Werk, M., Co., Cincinnati. Glycerine, candles, fatty acids. F-J-6 97
- 563. Wise Lubricating Co., Chicago. Lubricating compounds. F-K-6 98
- 564. Wrigley Mfg. Co., Philadelphia. Scouring soap. F-M-6 96

CALIFORNIA.

GROUP 1.

- 1. Adam, W. L., Santa Barbara. Barley. 4
- 2. Allen, B. F., Chico. Wheat. 1
- 3. Ayeris, E. W., Santa Ana Valley. Oats in straw. 3
- 4. Barnes, E. W., Escondido. Corn. 2
- 5. Barnard, A. D., Santa Ana Valley. Wheat in straw. 1
- 6. Bidwell, John, Chico. Wheat. 1
- 7. Blockman, L. E., Santa Maria. Wheat. 1
- 8. Borley, T. J., Santa Ana.
 - a Oats. 3
 - b Barley. 4
- 9. Branch, John, Artesia.
 - a Popcorn. 2
 - b Alfalfa. 9

- 10. Brockway, C. Z., Sacramento.
 - a Corn. 2
 - b Barley. 4
- 11. Brunson, James, Escondido. Wheat. 1
- 12. Bryant, William, Routiers. Wheat. 1
- 13. Byers, P. L., Santa Paula. Corn. 2
- 14. Carroll, Sacramento. Oats. 3
- 15. Clark, M. H., Upper Ojai. Wheat in straw. 1
- 16. Clausen, F. J., Del Sur. Wheat. 1
- 17. Clausen, J. F., Lancaster. Wheat. 1
- 18. Cochems, Nicholas, Del Sur. Barley. 4
- 19. Coffman, Frank, Rivera. Corn. 2
- 20. Cook, George, Nellie. Wheat. 1
- 21. Coon, D., & N., Elk Grove. Oats. 3
- 22. Coovert, John, Lancaster. Wheat. 1

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23. Craigie, H. G., Gordon, Pasadena. Wheat. 1
24. Crow, J. M., Encinitas. Corn. 2
25. Darling, David, Saticoy. Corn. 2
26. Dryers, A. G., Saticoy. Corn. 2
27. Eddy, Amos, Compton. Alfalfa. 9
28. El Protrero Indians, Valley Center. Barley. 4
29. Fanita Ranch, El Cajon. Oats in straw. 3
30. Ferand, Jules, Santa Ana Valley. Barley. 4
31. Ferano, T., Ojai Valley. Barley in straw. 4
32. Flint, S. H., Saticoy. Barley. 4
33. Fredrichs, T. J., Conejo. Wheat. 1
34. Greer, Walter W., Sacramento. *a* Wheat. 1
b Barley. 4
35. Greer, E., Sacramento. Barley. 4
36. Hack, John, Union House. Wheat. 1
37. Hack, N. D., Freeport. Oats. 3
38. Hay, Anderson, Los Angeles. Maize. 8
39. Hockmeyer, A., Santa Ana. Corn. 2
40. Hule, C. A., Union House. Wheat. 1
41. Johnston, W. A., Norris Grant. Wheat. 1
42. Levy, A., Hueneme. Barley. 4
43. Luce, N., Lincoln. *a* Corn. 2
b Oats. 3
44. Maier & Zobelein, Los Angeles. Barley. 4
45. Makam, F., Santa Ana. *a* Oats. 3
b Barley. 4
46. McCabe, H. E., Lompoc. Barley. 4
47. McCoy, C. B., Simi. Oats. 3
48. Morehead, T. S., Lompoc. Barley. 4
49. Newport, William, Perris. Alfalfa. 9
50. Norton, Chas. W., Escondido. *a* Wheat. 1
b Corn. 2
51. Peabody, A. L., Nestor. Wheat in straw. 1
52. Phillips, A. H., Goleta. Corn. 2
53. Ralph, J. B., Colgrove. Maize. 8
54. Rambo, E. L., Twin Oaks. Corn. 2
55. Ramsaur, W. P., Florence. Alfalfa. 9
56. Rincon Indians, Valley Center. Wheat. 1
57. Rockwood, B. B., Escondido. Alfalfa. 9
58. Rosencrans, C., Los Angeles. Barley. 4
59. Rynerson, H. C., Ojai. Oats. 3
60. San Marcos Land Co., San Marcos. *a* Wheat. 1
b Oats. 3
61. Seeley, W. R., West Saticoy. Corn. 2
62. Sexton, Jos., Goleta. *a* Oats. 3
b Pampas grass. 8
63. Shafer, Nelson, Sacramento. Wheat. 1
64. Sippy, Senator, Nelson. Wheat. 1
65. Small, H. K., Olive. Wheat. 1
66. Smith, D. E., Hueneme. Barley. 4
67. Snow, I. F., Santa Ana. Corn. 2
68. Soper, P. W., Ojai Valley. Wheat in straw. 1
69. Sparks, E. J., Lincoln. Wheat. 1
70. Squire, E. W., Vista. Wheat. 1
71. Stevens Louis, Santa Monica. Barley. 4
72. Stevenson, R., Otay. Wheat in straw. 1
73. Stocking Bros., Escondido. *a* Wheat. 1
b Corn. 2
74. Strong, Mrs. H. R. W., Whittier. *a* Corn. 2
b Pampas grass. 8
75. Studarus, Chas., Schoolhouse Station. Wheat. 1
- 75a. Suman, J. V., Colton. *a* Wheat. 1
b English corn. 2
c Barley. 4
d Rye. 5
e Alfalfa seed. 9
76. Van Nuys, I. N., Los Angeles. Wheat. 1
77. Waldron, S. A., Los Angeles. Wheat. 1
78. Walker, Lewis, Canada Larga. Wheat in straw. 1
79. White, E. A., Santa Ana. Corn. 2
80. White, Herbert, Rivera. Corn. 2
81. Wilson, C. N., San Fernando. Rye. 5

GROUP 3.

82. Albertz, F., Cloverdale. Grape sugar. 19
83. Barnett, A., Whittier. Honey. 26
84. Brodbeck, G. W., Los Angeles. Honey. 26
85. Burnett, Allen, Whittier. Honey. 26
86. Corey & Touchton, Santa Paula. Honey. 26
87. Hillier, H. H., Pasadena. Honey. 26
88. Mackey, R., Banning. Honey. 26
89. Martin, J. H., Redlands. Honey. 26
90. McIntyre, J. F., Fillmore. Honey. 26
91. Mellon, A. B., Action. Honey. 26
92. Mendenhall, T. W., Whittier. *a* Cane seed. 17
b Sorghum. 24
93. Rawley, L. T., Sunland. Honey. 26
94. Thomas, C. C., Winchester. Honey. 26
95. Trickey, F., Bishop. Honey. 26
96. Woodbury, G. B., Verdugo. Honey and beeswax. 26

GROUP 4.

97. Anderson, J. Y., Westminster. Beets. 29
98. Atkinson, B., Los Angeles. Potatoes. 28
99. Bandle, E., Burbank. Potatoes. 28
100. Butler, J. M., Los Angeles. Potatoes. 28
101. Dare, C. B., El Cajon. Potatoes. 28
102. Draves, H. C., Harmony. Beets. 29
103. Elliott, E., Santa Barbara. Beets. 29
104. Enthwhistle, James, Cahuenga. Carrots. 30
105. Franklin, Gideon, Carpenteria. Peanuts. 31
106. Franzen, A., Orange. Potatoes. 28
107. Gibbs, I., Vernon. Beets. 29
108. Kline, A., Santa Ana. Carrots. 30
109. Lucock, T. J., Clear Water. Cabbage. 30
110. Murdock, S. J., Westminster. Cabbage. 30
111. Pine, William, Vernon. Peanuts. 31
112. Pruman, Daniel, Cahuenga. Beets. 29
113. Rutherford, Stephen. Naples. *a* Potatoes. 28
b Beets. 29
114. Strawbridge, W. T., Whittier. Potatoes. 28

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- 115. Thompson, Fred, Workman. Turnips. 30
- 116. Thurmond, J. R., Carpenteria. Sweet potatoes and yams. 28
- 117. White, A. E., Santa Ana. Turnips. 30
- 118. White, E. A., Justin. Peanuts. 31
- 119. Williams, Geo., Santa Barbara. Turnips and carrots. 30
- 120. Wolf, John, Tropicco. Beets. 29

GROUP 5.

- 121. Anderson, M. H., Santa Paula. Beans. 32
- 122. Bacon, I. C., Capistrano. Beans. 32
- 123. Baker, W. R., Pasadena. Squash. 32
- 124. Bandle, E., Burbank. Beans. 32
- 125. Beckwith, Chas. A., Santa Paula. Beans. 32
- 126. Cummings, S. F., Santa Paula. Beans. 32
- 127. Darling, David, Saticoy. Beans. 32
- 128. Edmondson, R. B., Montalvo. Beans. 32
- 129. Ellis, J. C., University. Beans. 32
- 130. Faulkner, G. W., Santa Paula. Beans. 32
- 131. Gibbs, I., Vernon. Beans. 32
- 132. Gosnell, T. B., Avenue. Beans. 32
- 133. Henderson, Mrs. G. L., Chula Vista. Melons. 32
- 134. Hicks, C. H., Los Angeles. Beans. 32
- 135. Jacobs, W. G., San Marco. Pumpkin, squash and melons. 32
- 136. Kellogg, Frank, Goleta. Pumpkins. 32
- 137. Kelsey, T. A., West Saticoy. Beans. 32
- 138. Kelsey, T. B., Ventura. Beans. 32
- 139. Levy, A., Anaheim. Beans. 32
- 140. Lombardo, F., Montalvo. Beans. 32
- 141. McGregor, Joseph, Lompoc. Cabbage. 32
- 142. Price, A., Ventura. Beans. 32
- 143. Ready, W. E., Ventura. Beans. 32
- 144. Sexton, Jos., Goleta. Beans. 32

- 145. Silver, T., Montalvo. Beans. 32
- 146. Stahl, N., Los Angeles. Squash. 32
- 147. Stocking Bros., Escondido. Beans. 32
- 148. Swan, Geo. C., El Cajon. Water-melons. 32
- 149. Thompson, D. W., Ventura. Beans. 32
- 150. Thorp, S. R., Gardena. Beans. 32
- 151. True, N. A., Los Angeles. Pumpkins. 32
- 152. Wheelan, F. H., Santa Barbara. Beans. 32
- 153. Wolf & Lehman, Hueneme. Beans. 32

GROUP 8.

- 154. Broughton, W. W., Lompoc. Mustard. 47

GROUP 9.

- 155. Bailey, C. P., San Jose. Angora goat fleeces. 60
- 156. Bishop, Miss C. M., Pasadena. Silk cocoons. 61
- 157. Luce, N., Lincoln. Cotton on stalk. 53

GROUP 11.

- 158. Rossi, P. C., San Francisco. Vermouth. 70

GROUP 17.

- 159. Woodbridge, Baruch, Los Angeles. Fertilizer. 93

GROUP 18.

- 160. Closs, F., Auburn. Olive oil. 95
- 161. Goodrich, E. C., Santa Clara. Olive oil. 95
- 162. Hooper, Geo. W., Sobie Vista. Olive oil. 95
- 163. Howland, J. L., Pomona. Olive oil. 95
- 164. Roberson, Mrs. Emily, Auburn. Olive oil. 95
- 165. Selby, Ralph R., Ballard. Olive oil. 95
- 166. Smith, Juliet P., Livermore. Olive oil. 95

COLORADO.

GROUP 1.

- 1. Abbott, H. C., Las Animas. Wheat. 1
- 2. Ackerman, F., Hygiene. Wheat. 1
- 3. Adams, H. C., Las Animas. Wheat. 1
- 4. Affelter, F., Longmont. Wheat. 1
- 5. Affelter, Y., Longmont. Wheat. 1
- 6. Agatito, Abeyta, Weston. Oats. 3
- 7. Allen, C. W. Oats. 3
- 8. Atman, C., Denver. Corn. 2
- 9. Ayres, H. T., Durango. Oats. 3
- 10. Babcock, L. W., Trinidad. Oats. 3
- 11. Ballings, David, Highland Lake. Oats. 3
- 12. Bashor, J. D., Hygiene. Wheat. 1
- 13. Beasley, J. J., Longmont. Wheat. 1
- 14. Bebbhardt, E., Sterling. Corn. 2
- 15. Becklet, P., Longmont. Oats. 3
- 16. Benhart, Fred., Sterling. Corn. 2
- 17. Benson, N. E., Montrose. Wheat. 1
- 18. Bent, A. D., Rocky Ford. Corn. 2

- 19. Bent, A. E., Lamar. Oats. 3
- 20. Berry, F. M. Beulah.
 - a Wheat. 1
 - b Corn. 2
 - c Barley. 4
 - d Rye. 5
 - e Buckwheat. 7
 - f Millet. 8
- 21. Berry, H., Beulah. Oats. 3
- 22. Berry, Henry, Beulah.
 - a Wheat. 1
 - b Oats. 3
 - c Barley. 4
 - d Rye. 5
- 23. Beshtalp, P., Ni Wot. Wheat. 1
- 24. Bishop, A. J., Monument.
 - a Oats. 3
 - b Barley. 4
- 25. Blake, Bros., Powell. Wheat. 1
- 26. Brooks, L. T., Elizabeth. Oats. 3

DEPARTMENT A.—AGRICULTURE.

27. Brown, Peter, Greeley. Wheat.	1	70. Johnson, J. P., Grand Junction.	
28. Burkdoll, H. E., Monte Vista. Wheat.	1	<i>a</i> Wheat.	1
29. Calkins, C. C., Longmont. Wheat.	1	<i>b</i> Oats.	3
30. Campbell, L. M., Las Animas.		<i>c</i> Barley.	4
<i>a</i> Wheat.	1	71. Jones, C. B., Lamar. Wheat.	1
<i>b</i> Barley.	4	72. Jones, J. B., Montrose. Wheat.	1
31. Cobney, J., Sterling. Corn.	2	73. Jones, T. C., Lamar. Wheat.	1
32. Coe, J. P., Stonewall. Wheat.	1	74. Jensen, H. H., Grand Junction.	
33. Colorado Agricultural College, Denver.		<i>a</i> Wheat.	1
<i>a</i> Grasses. (75 varieties.)	8	<i>b</i> Oats.	3
<i>b</i> Forage plants. (28 varieties.)	9	75. Johnson, G., Sterling. Corn.	2
34. Colorado State Commission.		76. Kain, J. S., Rocky Ford. Corn.	2
<i>a</i> Grasses. (60 varieties.)	8	77. Keifer, L., Fruita. Wheat.	1
<i>b</i> Forage plants. (20 varieties.)	9	78. Kelly, W. S., Montrose. Wheat.	1
35. Colorado V. Land Co., Monte Vista.		79. Klified, A. W., Beulah. Wheat.	1
Wheat.	1	80. Klott, J. R., Las Animas. Barley.	4
36. Crosley, J. H., Las Animas. Wheat.	1	81. Koen, F. B., Lamar.	
37. Crowley, J. H., Rocky Ford.		<i>a</i> Oats.	3
<i>a</i> Wheat.	1	<i>b</i> Barley.	4
<i>b</i> Corn.	2	82. Laramie County, Colorado. Corn.	2
<i>c</i> Oats.	3	83. Leach, Frank, Grand Junction.	
<i>d</i> Barley.	4	<i>a</i> Oats.	3
38. Cushin, A. C., Montrose. Oats.	3	<i>b</i> Barley.	4
39. Divide Station, Experiment.		84. Leathem, D., Lamar. Wheat.	1
<i>a</i> Wheat.	1	85. Leonard, E. J., Montrose. Wheat.	1
<i>b</i> Corn.	2	86. Lewis, Robt., Monte Vista.	
<i>c</i> Rye.	5	<i>a</i> Wheat.	1
40. Doepke, F. A., Castle Rock.		<i>b</i> Oats.	3
<i>a</i> Corn.	2	87. Lynch, P. S., Lamar. Oats.	3
<i>b</i> Oats.	3	88. Manning, Mrs., Rocky Ford. Oats.	3
<i>c</i> Barley.	4	89. McClelland, J. S., Fort Collins.	
<i>d</i> Rye.	5	<i>a</i> Wheat.	1
41. Donaldson, Theo., Denver. Corn.	2	<i>b</i> Oats.	3
42. Donaldson, L., Denver. Corn.	2	<i>c</i> Barley.	4
43. Donohue, R. A., Sterling.		90. McConnell, J., Sterling. Wheat.	1
<i>a</i> Wheat.	1	91. McDonnell, Phil., Powell.	
<i>b</i> Oats.	3	<i>a</i> Oats.	3
44. Dulmaine, J. E., Grand Junction.		<i>b</i> Barley.	4
Wheat.	1	92. McVay, C., Lamar.	
45. Dulmane, J. E., Whitewater. Wheat.	1	<i>a</i> Wheat.	1
46. Dyer, W. A., Rocky Ford. Corn.	2	<i>b</i> Oats.	3
47. Eaton, G. W., Sterling. Corn.	2	93. McVay, F. M., Las Animas.	
48. Elbert County, Colorado. Corn.	2	<i>a</i> Wheat.	1
49. Ellison, J. B., Grand Junction. Wheat.	1	<i>b</i> Oats.	3
50. El Paso County, Colorado. Corn.	2	<i>c</i> Barley.	4
51. Endsley, H. A., Montrose. Oats.	3	<i>d</i> Millet.	9
52. Eperson, J. H., Durango. Oats.	3	96. Miner, J. R., Windsor. Wheat.	1
53. Fiffe, P., Sterling.		97. Monells, P. B., Montrose.	
<i>a</i> Wheat.	1	<i>a</i> Wheat.	1
<i>b</i> Oats.	3	<i>b</i> Oats.	3
<i>c</i> Rye.	5	98. Monnell, E. B., Montrose. Wheat.	1
54. Gorden, E., Lamar. Wheat.	1	99. Moore, D. O., Montrose. Wheat.	1
55. Goss, J. W., Hygiene. Wheat.	1	100. Moore, J. N., Montrose. Wheat.	1
56. Green, Chas., Sterling. Corn.	2	101. Moore, J. W., Montrose. Oats.	3
57. Green, C. K., Sterling. Barley.	4	102. Mye, S. H., Montrose. Oats.	3
58. Green, O. C., Beulah. Corn.	2	103. Osborn, J., Montrose. Wheat.	1
59. Griffith, Rocky Ford. Wheat.	1	104. Paraschak, M., Hygiene. Wheat.	1
60. Griswold, C., Sterling. Corn.	2	105. Parmeter, M. D., Lamar.	
61. Hamilton, H. W., Alamosa.		<i>a</i> Wheat.	1
<i>a</i> Wheat.	1	<i>b</i> Oats.	3
<i>b</i> Oats.	3	<i>c</i> Barley.	4
<i>c</i> Barley.	4	<i>d</i> Rye.	5
62. Hensley, C., Durango. Wheat.	1	106. Parsons, A., Highland Lake.	
63. Hervison, H., Rocky Ford. Corn.	2	<i>a</i> Oats.	3
64. Higgin, J. H., Plateau. Oats.	3	<i>b</i> Barley.	4
65. Hixon, N. R., Montrose. Oats.	3	107. Patterson, R. J., Sterling.	
66. Hooper, D. F., Rocky Ford. Oats.	3	<i>a</i> Wheat.	1
67. Housel, P. M., Boulder. Wheat.	1	<i>b</i> Oats.	3
68. Hyer, A. H., Rocky Ford. Corn.	2	<i>c</i> Barley.	4
69. Imes, J. B., Montrose. Wheat.	1		

CONNECTICUT.

GROUP 8.

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| 1. Abbe, A. C., South Windsor. Havana seed leaf tobacco. | 48 | 34. Clark, E. S. & H., Hartford. Havana seed leaf tobacco. | 48 |
| 2. Alford, H. W., Poquonock. Havana seed leaf tobacco. | 48 | 35. Clark, L. P., Son, Poquonock. Havana seed leaf tobacco. | 48 |
| 3. Amstead, Joseph, Windsor Locks. Havana seed leaf tobacco. | 48 | 36. Codear, G. A., Canton. Havana seed leaf tobacco. | 48 |
| 4. Andross, A. B., South Windsor. Havana broad leaf tobacco. | 48 | 37. Copley, Horace G., West Suffield. Havana seed leaf tobacco. | 48 |
| 5. Andross, J., East Hartford. Havana broad leaf tobacco. | 48 | 38. Corcy, C. A., Suffield. Havana seed leaf tobacco. | 48 |
| 6. Austin, C. L., West Suffield. Havana seed leaf tobacco. | 48 | 39. Dickenson, E. D., Glastonbury. Havana broad leaf tobacco. | 48 |
| 7. Austin, Edward, Suffield. Havana seed leaf tobacco. | 48 | 40. Dubon, J. A., Windsor. Havana seed leaf tobacco. | 48 |
| 8. Austin, H. H., Suffield. Havana seed leaf tobacco. | 48 | 41. Dyer, D. F., Canton. Havana seed leaf tobacco. | 48 |
| 9. Bancroft, George W., Hillstown. Havana broad leaf tobacco. | 48 | 42. Easton, A. J., Suffield. Havana seed leaf tobacco. | 48 |
| 10. Bantle, Julius, Glastonbury. Havana seed leaf tobacco. | 48 | 43. Eggert, Wm., & Co., Bloomfield. Havana seed leaf tobacco. | 48 |
| 11. Barnard, Jay, Simsbury. Havana seed leaf tobacco. | 48 | 44. Ellsworth, H. H., Windsor. Havana seed leaf tobacco. | 48 |
| 12. Barnes, A. W., Poquonock. Havana seed leaf tobacco. | 48 | 45. Ellsworth, L. S., Simsbury. Havana seed leaf tobacco. | 48 |
| 13. Barnes, G. W., Windsor. Havana seed leaf tobacco. | 48 | 46. Frisbie, M. W., Southington. Havana seed leaf tobacco. | 48 |
| 14. Bartlett, Joseph L., Simsbury. Havana seed leaf tobacco. | 48 | 47. Frye, H. S., Poquonock. Havana seed leaf tobacco. | 48 |
| 15. Bates & Stowell, East Granby. Havana seed leaf tobacco. | 48 | 48. Fuller, E. A. & W. F., Hartford. Havana broad leaf tobacco. | 48 |
| 16. Bidwell, A. S., East Hartford. Havana broad leaf tobacco. | 48 | 49. Fuller, Jerome E., Poquonock. Havana seed leaf tobacco. | 48 |
| 17. Brace, J. M. G., West Hartford. Havana broad leaf tobacco. | 48 | 50. Gilligan, J., West Suffield. Havana seed leaf tobacco. | 48 |
| 18. Bradley, James, South Windsor. Havana broad leaf tobacco. | 48 | 51. Graves, A. N., Suffield. Havana seed leaf tobacco. | 48 |
| 19. Brown, Eugene, Poquonock. Havana seed leaf tobacco. | 48 | 52. Griswold, C. A., West Hartford. Havana broad leaf tobacco. | 48 |
| 20. Brown, J. M., Poquonock. Havana seed leaf tobacco. | 48 | 53. Griswold, C. S., & Son, West Hartford. Havana broad leaf tobacco. | 48 |
| 21. Burbank, W. E., Suffield. Havana seed leaf tobacco. | 48 | 54. Griswold, H., & Son, Poquonock. Havana seed leaf tobacco. | 48 |
| 22. Butler, H., Weathersfield. Havana broad leaf tobacco. | 48 | 55. Griswold, S. O., Poquonock. Havana seed leaf tobacco. | 48 |
| 23. Button, A. A., Suffield. Havana seed leaf tobacco. | 48 | 56. Haas, L. B., Hartford. Havana broad and seed leaf tobacco. | 48 |
| 24. Cadwell, Martin, Weathersfield. Havana broad leaf tobacco. | 48 | 57. Hackett, Michael, Wapping. Havana seed leaf tobacco. | 48 |
| 25. Carl, Jacob, Hatfield, Mass. Havana seed leaf tobacco. | 48 | 58. Hale, Edward, East Hartford. Havana broad leaf tobacco. | 48 |
| 26. Case, C. P., Simsbury. Havana seed leaf tobacco. | 48 | 59. Halladay, Edward, Suffield. Havana seed leaf tobacco. | 48 |
| 27. Case, D. C., West Suffield. Havana seed leaf tobacco. | 48 | 60. Hamilton, F. A., Warehouse Point. Havana seed leaf tobacco. | 48 |
| 28. Case, G. B., Canton. Havana seed leaf tobacco. | 48 | 61. Hamlin, F. C., Southington. Havana seed leaf tobacco. | 48 |
| 29. Case, R. D., Rainbow. Havana seed leaf tobacco. | 48 | 62. Haskins, Charles E., Suffield. Havana seed leaf tobacco. | 48 |
| 30. Chidsey, C. H., Canton. Havana seed leaf tobacco. | 48 | 63. Haskins, E. A. & H., Simsbury. Havana seed leaf tobacco. | 48 |
| 31. Clark Bros., Poquonock. Havana seed leaf tobacco. | 48 | 64. Haskins, J. O., Suffield. Havana seed leaf tobacco. | 48 |
| 32. Clark, Charles O. C., Windsor. Havana seed leaf tobacco. | 48 | 65. Hathaway, H. L., Suffield. Havana seed leaf tobacco. | 48 |
| 33. Clark, E. S., Windsor. Havana seed leaf tobacco. | 48 | 66. Hathaway, H. S., Suffield. Havana seed leaf tobacco. | 48 |

UNITED STATES.

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| 67. Hathaway, T. B., Windsor. Havana seed leaf tobacco. 48 | 103. Rose, Henry M., West Suffield. Havana seed leaf tobacco. 48 |
| 68. Hay, John, & Co., Hartford. Havana seed leaf tobacco. 48 | 104. Rose, O. C., West Suffield. Havana seed leaf tobacco. 48 |
| 69. Helm, John, South Windsor. Havana broad leaf tobacco. 48 | 105. Rowe, Pat., East Hartford. Havana broad leaf tobacco. 48 |
| 70. Hemmenway, H. R. & E., Suffield. Havana seed leaf tobacco. 48 | 106. Scott, Fred A., Suffield. Havana seed leaf tobacco. 48 |
| 71. Higgins, S. A. D., Glastonbury. Havana broad leaf tobacco. 48 | 107. Scott, Hugh, Suffield. Havana seed leaf tobacco. 48 |
| 72. Holcomb, A. E., Poquonock. Havana seed leaf tobacco. 48 | 108. Sheldon, Chas. C., West Suffield. Havana seed leaf tobacco. 48 |
| 73. Holcomb, Norris, Bloomfield. Havana seed leaf tobacco. 48 | 109. Smith, Aaron, & Bro., Warehouse Point. Havana seed leaf tobacco. 48 |
| 74. Holman, Henry, South Windsor. Havana broad leaf tobacco. 48 | 110. Smith, D. J., Southington. Havana seed leaf tobacco. 48 |
| 75. House, A. H., Poquonock. Havana seed leaf tobacco. 48 | 111. Smith, James, Suffield. Havana seed leaf tobacco. 48 |
| 76. House & Griswold. Havana seed leaf tobacco. 48 | 112. Sission, Giles A., Canton. Havana seed leaf tobacco. 48 |
| 77. Hubbard, Wm. G., Bloomfield. Havana seed leaf tobacco. 48 | 113. Soper, W. A., Suffield. Havana seed leaf tobacco. 48 |
| 78. Humphrey, W. G., Canton. Havana seed leaf tobacco. 48 | 114. Spencer, Jerome P., Suffield. Havana seed leaf tobacco. 48 |
| 79. Hunting, W. L., East Hartford. Havana seed leaf tobacco. 48 | 115. Spencer, J. L., Suffield. Havana seed leaf tobacco. 48 |
| 80. Jones Bros., South Windsor. Havana broad and seed leaf tobacco. 48 | 116. Stevens, Samuel J., Glastonbury. Havana broad leaf tobacco. 48 |
| 81. Judson, E. A., East Hartford. Havana broad leaf tobacco. 48 | 117. Stiles, W. L., West Suffield. Havana seed leaf tobacco. 48 |
| 82. Kent, M. H., Suffield. Havana seed leaf tobacco. 48 | 118. St. John, Newton, Simsbury. Havana seed leaf tobacco. 48 |
| 83. King, Burton H., West Suffield. Havana seed leaf tobacco. 48 | 119. Sykes, Willard C., Suffield. Havana seed leaf tobacco. 48 |
| 84. King, Daniel J., Suffield. Havana seed leaf tobacco. 48 | 120. Talcott, C. H., Glastonbury. Havana broad leaf tobacco. 48 |
| 85. Knox, H. H., West Suffield. Havana seed leaf tobacco. 48 | 121. Talcott, Lucius, Glastonbury. Havana broad leaf tobacco. 48 |
| 86. Lambertson, W. J., Poquonock. Havana seed leaf tobacco. 48 | 122. Thrall Brothers, Windsor. Havana seed leaf tobacco. 48 |
| 87. Laughton, F. B. M., Bloomfield. Havana seed leaf tobacco. 48 | 123. Thrall, Edwin F., Windsor. Havana seed leaf tobacco. 48 |
| 88. Lothrop, H. J., Suffield. Havana seed leaf tobacco. 48 | 124. Thrall, H. H., Poquonock. Havana seed leaf tobacco. 48 |
| 89. Marcy, T. K., Windsor. Havana seed leaf tobacco. 48 | 125. Thrall, Willard, Poquonock. Havana seed leaf tobacco. 48 |
| 90. Merriman, J. H., Southington. Havana seed leaf tobacco. 48 | 126. Turner, B. F., Glastonbury. Havana broad leaf tobacco. 48 |
| 91. Morse, J. W., Southington. Havana seed leaf tobacco. 48 | 127. Udo, H., Suffield. Havana seed leaf tobacco. 48 |
| 92. Norton, G., Bristol. Havana seed leaf tobacco. 48 | 128. Viets, A. A., Bloomfield. Havana seed leaf tobacco. 48 |
| 93. Parker, J. P., Jr., Windsor. Havana seed leaf tobacco. 48 | 129. Warren, Francis N., West Suffield. Havana seed leaf tobacco. 48 |
| 94. Phelps, Clinton, East Granby. Havana seed leaf tobacco. 48 | 130. Warren, Fred, East Hartford. Havana seed leaf tobacco. 48 |
| 95. Phelps, E. N., Windsor. Havana seed leaf tobacco. 48 | 131. Warren, George L., West Suffield. Havana seed leaf tobacco. 48 |
| 96. Pinney, Wm. S., Suffield. Havana seed leaf tobacco. 48 | 132. Welles, Fred, Glastonbury. Havana broad leaf tobacco. 48 |
| 97. Pitcher & Phillips, Suffield. Havana seed leaf tobacco. 48 | 133. Welles, H. T., New Britain. Havana broad leaf tobacco. 48 |
| 98. Pomery, A., Suffield. Havana seed leaf tobacco. 48 | 134. Whaples, H., South Windsor. Havana broad leaf tobacco. 48 |
| 99. Pratt, L. C., Greenfield, Mass. Havana seed leaf tobacco. 48 | 135. White, E. N., Canton Centre. Havana seed leaf tobacco. 48 |
| 100. Remington, George L., Suffield. Havana seed leaf tobacco. 48 | 136. Woodford, C. R., Avon. Havana seed leaf tobacco. 48 |
| 101. Rhodes, C. A., Glastonbury. Havana seed leaf tobacco. 48 | 137. Wright, H. K., Suffield. Havana seed leaf tobacco. 48 |
| 102. Ripley, E. B., South Windsor. Havana seed leaf tobacco. 48 | 138. Zweygart, Henry J., Hartford. Havana broad leaf tobacco. 48 |

IDAHO.

GROUP 1.

1.	Acon, Irvin, Genesee. Hay.	8
2.	Adams, John, Albion. Wheat.	1
3.	Akin, Edwin, Genesee. Wheat.	1
4.	Anderson, J. H., Weiser. Corn.	2
5.	Bast, J. H., Boise City. Wheat.	1
6.	Blackfoot Columbian Club, Blackfoot. Oats.	3
7.	Brown, Chas., Liberty. Oats.	3
8.	Bud Clark, Boise City. Corn.	2
9.	Colson, James, Weiser. Wheat.	1
10.	Daggett, Monroe, St. Maries. Timothy hay and wild rye.	8
11.	Davis, C., Salmon City. Timothy hay.	8
12.	Denny, S. R., Weiser. Oats.	3
13.	Drake, D. D., Boise City. Oats.	3
14.	Edmanson, W. H., Leland. Wheat.	1
15.	Ferrel, W., St. Maries. Timothy hay.	8
16.	Fredrickson, Fredrick, Leland. Wheat in straw.	1
17.	Gallagher, J. H., Boise City. Grasses and hay.	8
18.	Garby, C., Leland. Wheat.	1
19.	Gray, Eugene, St. Maries. Wheat.	1
20.	Groom, John F., Boise City. Hay.	8
21.	Haden, James G., Leland. Oats.	3
22.	Hannah, V. D., Weiser. a Wheat.	1
	b Corn.	2
	c Oats.	3
	d Grasses.	8
22a.	Hartinger, J., Leland. Wheat.	1
23.	Hartinger, Wm., Lewiston. Wheat.	1
23a.	Heitfield, Henry, Uniontown. a Wheat.	1
	b Rye.	5
	c Hay.	8
24.	Hepler, John, Cameron. Wheat.	1
25.	Hoffman, C., Lewiston. Oats in straw.	3
26.	Hortinger, W., Leland. Oats in straw.	3
27.	Jackson, A. F., Weiser. Oats.	3
28.	Kingsbury & Sharp, Boise City. Wheat.	1
29.	Landon, C., Leland. Oats in straw.	3
30.	Lawn, Frank, Genesee. Wheat.	1
31.	Layland, A. J., Thomas' Fork. Grasses and timothy hay.	8
32.	Lee, O. S., Jr., Idaho Falls. a Wheat.	1
	b Oats.	3
33.	Lee, O. S., Sr., Idaho Falls. a Wheat.	1
	b Clover and hay.	8
34.	Loring, John, Genesee. Wheat.	1
35.	Loring, Theodore, Genesee. Barley.	4
36.	Lund, T. A., Weiser. Wheat.	1
37.	McCall, J., Leland. Wheat in straw.	1
38.	McFarland, Wm. H., Lewiston. Wheat in straw.	1
39.	Maroyin, Wm., Genesee. Wheat.	1
40.	Martin, J. H., Weiser. Barley.	4
41.	Mickey, F. M., Weiser. Oats.	3
42.	Morrison, J. H., Leland. Wheat.	1
43.	Mosley, J., Boise City. Millet.	8
44.	Newman, Thos., Weiser. Corn.	2
45.	Nixon, Wm., Genesee. Wheat.	1
46.	Olan, S., Idaho Falls. Wheat.	1
47.	Osborne, I. I., Hailey. a Wheat.	1
	b Corn.	2
48.	Pedan, Martin, Leland. Wheat.	1
49.	Percifield, S. M., Weiser. Wheat.	1
50.	Poe, James W., Lewiston. Corn.	2
51.	Potter, L. D., Caldwell. Hay and wild oats.	8
52.	Reed, J. L., Bonner's Ferry. Grasses.	8
53.	Roberts & Son, Albion. a Wheat.	1
	b Barley.	4
	c Rye.	5
	d Grasses.	8
	e Alfalfa hay.	9
54.	Rynearson, W. S., Weiser. Wheat.	1
55.	Saxon, John, Boise City. a Rice popcorn.	2
	b Rye in straw.	5
	c Red top grass and timothy hay.	8
	d Alfalfa hay.	9
56.	Small, Ira, Lewiston. Wheat.	1
57.	Smith, Geo., Lewiston. a Wheat.	1
	b Barley.	4
58.	Sonting, J., Lewiston. Grass.	8
59.	Southwick, S R., Southwick. Orchard grass.	8
60.	Specker, C., Leland. Rye in straw.	5
61.	Stafford, Wm., Boise City. Oats.	3
62.	Stewart, D. C., Montpelier. Wheat.	1
63.	Stranahan, C. T., Lewiston. Alfalfa hay.	9
64.	Stroup, Jacob, Washoe. a Wheat.	1
	b Oats.	3
	c Hay.	8
65.	Swager, S. A., Weiser. a Wheat.	1
	b Corn.	2
66.	Swager, T. A., Weiser. Corn.	2
67.	Thomas, A. T., Boise City. a Wheat and wheat in straw.	1
	b Oats in straw.	3
	c Alfalfa.	9
67a.	Tollard, F. M., Salmon City. a Wheat.	1
	b Oats.	3
68.	Touk, Henry, Bonner's Ferry. a Wheat.	1
	b Oats.	3
68a.	Tuttle, Robert, Weiser. Corn.	2
69.	Utley, J. R., Weiser. Wheat.	1
70.	Ward, M. L., Leland. Oats.	3
71.	Welcher, George, Leland. Barley in straw.	4
72.	Welcher, Paul, Leland. Timothy hay.	8
73.	White, A. K., St. Maries. Timothy hay.	8
74.	White, A. T., Idaho Falls. a Oats.	3
	b Grass.	8
75.	Wilson, Thos., Boise City. Oats.	3

UNITED STATES.

- 76. Wright, W T., Leland. Wheat. 1
- 77. Worthington, C., Albion. Wheat. 1
- 78. Wyman, J., Leland. Hay. 8
- 79. Yergen, A. S., Boise City. Hay. 8

GROUP 3.

- 80. Boulding, A., Leland. Sorghum. 24
- 81. Clark, C., Leland. Sorghum. 24
- 82. McFarland, W. H., Lewiston. Sorghum. 24
- 83. Piper, J. W., Leland. Sorghum. 24
- 84. Stoddard, Samuel, Leland. Sorghum. 24
- 85. Wyncoop, John M., Lewiston. Radishes. 30

GROUP 4.

- 86. Ackroids, Walter, Bloomington. Beets. 30
- 87. Alred, Marvin, Paris. Turnips. 30
- 88. Bast, J. H., Boise City. Potatoes. 28
- 89. Dunn, J. P., Bonner's Ferry. Turnips. 30
- 90. Edmanson, W. H., Leland. Potatoes. 28
- 91. Fordyce, W. H., Lewiston. Peanuts. 31
- 92. Fry, R., Bonner's Ferry. Beets and rutabagas. 30
- 93. Lesser, Richard, Albion. Potatoes. 28
- 94. Loring, Theodore, Genesee. Rutabaga, turnips and herbs. 30
- 95. Lucas, F. M., Bonner's Ferry. Potatoes. 28
- 96. Parker, J., Lewiston. Radishes. 30
- 97. Porter & Wessels, Lewiston. Sweet potatoes. 28
- 98. Potter, L. D., Caldwell. *a* Potatoes. 28
b Parsnips. 30

- 99. Stewart, D. C., Montpelier. Potatoes. 28
- 100. Stroup, Jacob, Washoe. Potatoes. 28
- 101. Worthington, C., Albion. Potatoes. 28

GROUP 5.

- 102. Boulding, A., Leland. Garden seed. 32
- 103. Church, Henry, Leland. Tomatoes. 32
- 104. Fordyce, W. H., Lewiston. Peas and beans. 32
- 105. Fry, R., Bonner's Ferry. Cabbages. 32
- 106. Hannah, V. D., Weiser. Broom corn. 32
- 107. Holt, F., Lewiston. Broom corn. 32
- 108. McGlottkin, T. W., Booner's Ferry. Squashes. 32
- 109. Potter, L. D., Caldwell. Tomatoes. 32
- 110. Rykert, J. C., Bonner's Ferry. Cabbages. 32
- 111. Stroup, Jacob, Washoe. Squashes and pumpkins. 32
- 112. Swager, S. A., Weiser. Broom corn. 32
- 113. Walker, Geo. W., Cameron. Beans. 32
- 114. Wessels, H., Cameron. Timothy seed. 32
- 115. Wyman, J., Leland. Garden seeds. 32

GROUP 8.

- 116. Fordyce, W. H., Lewiston. Leaf tobacco. 48
- 117. Kausteufer, J. H., Idaho Falls. Hops. 46
- 118. McGlottkin, T. W., Bonner's Ferry. Hops. 46

GROUP 9.

- 119. Lee, O. S. Jr., Idaho Falls. Flax. 59

GROUP 11.

- 120. Boulding, A., Leland. Vinegar. 71

ILLINOIS.

GROUP 1.

- 1. Banscher, Louis, Freeport. Corn. 2
- 2. Boatman, J. W., Carlinville. Corn. 2
- 3. Bone, F. E., Tallula. *a* Wheat. 1
b Corn. 2
c Oats. 3
d Barley. 4
e Rye. 5
f Buckwheat. 7
g Grasses. 8
h Forage plants. 9
- 4. Boner, Joseph, Panola. Corn. 2
- 5. Brumback, David, Danforth. *a* Wheat. 1
b Corn. 2
c Oats. 3
d Barley. 4
e Rye. 5
f Buckwheat. 7
g Grasses. 8
h Forage plants. 9
- 6. Burdick, W. A., Winnebago. Corn. 2
- 7. Burdick, J. L., Rockford. *a* Wheat. 1
b Corn. 2
c Oats. 3
d Rye. 5

- e* Buckwheat. 7
- f* Grasses. 8
- g* Clover, etc. 9
- 8. Burrows, Wm., Panola. Corn. 2
- 9. Butler, J. J., Eldorado. *a* Wheat. 1
b Corn. 2
c Oats. 3
d Barley. 4
e Rye. 5
f Buckwheat. 7
g Grasses. 8
h Forage plants. 9
- 10. Chester, T. P., Champaign. *a* Wheat. 1
b Corn. 2
c Oats. 3
d Barley. 4
e Rye. 5
f Buckwheat. 7
g Grasses. 8
h Forage plants. 9
- 11. Childs, Edward, El Paso. Corn. 2
- 12. Cline, W. M., Rockford. Corn. 2
- 13. Coffin, Horace, Rockford. *a* Corn. 2
b Rye. 5
- 14. Conlon, John, Taylor. Oats. 3
- 15. Cribbins, Thos., El Paso. Corn. 2

DEPARTMENT A.—AGRICULTURE.

16. Crowell, L. H., Rockford.		35. Hodgson, Jesse, Panola. Corn.	2
<i>a</i> Corn.	2	36. Hooker, M. A., McLeansboro.	
<i>b</i> Buckwheat.	7	<i>a</i> Wheat.	1
<i>c</i> Grasses.	8	<i>b</i> Corn.	2
17. Cutler, A. E., Rockford. Corn.	2	<i>c</i> Oats.	3
18. De Freese, Nicholas, Panola. Corn.	2	<i>d</i> Rye.	5
19. Edmonds, H. P., Taylor.		<i>e</i> Buckwheat.	7
<i>a</i> Wheat.	1	<i>f</i> Grasses.	8
<i>b</i> Corn.	2	<i>g</i> Forage plants.	9
<i>c</i> Oats.	3	37. Hopps, H. A., Panola. Corn	2
<i>d</i> Barley.	4	38. Horner, George, Panola. Corn.	2
<i>e</i> Rye.	5	39. Hostetter, A. B., Mt. Carroll.	
<i>f</i> Buckwheat.	7	<i>a</i> Wheat.	1
<i>g</i> Grasses.	8	<i>b</i> Oats.	3
<i>h</i> Forage plants.	9	<i>c</i> Barley.	4
20. Edmonds, J. W., Lighthouse.		<i>d</i> Rye.	5
<i>a</i> Wheat.	1	<i>e</i> Grasses.	8
<i>b</i> Corn.	2	40. Hurd, Thos., El Paso. Corn.	2
<i>c</i> Grass.	8	41. Irving, J. N., Arcola. Oats.	3
21. Edmonds, Philip, El Paso. Corn.	2	42. Johns, Wm., Rockford. Corn.	2
22. Emright, Kim., El Paso. Corn.	2	43. Johnson, Andy, El Paso. Corn.	2
23. Ernest, A., & Co., Farmingdale.		44. Kimmel, W. G., Jonesboro.	
<i>a</i> Wheat.	1	<i>a</i> Wheat.	1
<i>b</i> Corn.	2	<i>b</i> Corn.	2
<i>c</i> Oats.	3	<i>c</i> Oats.	3
<i>d</i> Barley.	4	<i>d</i> Rye.	5
<i>e</i> Rye.	5	<i>e</i> Buckwheat.	7
<i>f</i> Buckwheat.	7	<i>f</i> Grasses.	8
<i>g</i> Grasses.	8	<i>g</i> Clover.	9
<i>h</i> Forage plants.	9	45. Klug, John, Panola. Corn.	2
24. Fraipont, Walter, Rockford. Corn.	2	46. Klug, William, Panola. Corn.	2
25. Fursman, E. S., El Paso.		47. Knox County Agricultural Board,	
<i>a</i> Wheat.	1	Knoxville.	
<i>b</i> Corn.	2	<i>a</i> Wheat.	1
<i>c</i> Oats.	3	<i>b</i> Corn.	2
<i>d</i> Barley.	4	<i>c</i> Oats.	3
<i>e</i> Rye.	5	<i>d</i> Rye.	5
<i>f</i> Buckwheat.	7	<i>e</i> Buckwheat.	7
<i>g</i> Grasses.	8	<i>f</i> Grasses.	8
<i>h</i> Forage plants.	9	<i>g</i> Clover.	9
26. Gardiner, June, Rockford. Corn.	2	48. Krow, Jas., Woodstock. Corn.	2
27. Graham, Geo. W., Carbondale.		49. La Rosh, S. D., Pekin.	
Wheat.	1	<i>a</i> Wheat.	1
28. Gurbrick, William, El Paso. Corn.	2	<i>b</i> Corn.	2
29. Haas, Jos., El Paso. Corn.	2	<i>c</i> Oats.	3
30. Hay, Leon, Kankakee.		<i>d</i> Barley.	4
<i>a</i> Wheat.	1	<i>e</i> Rye.	5
<i>b</i> Corn.	2	<i>f</i> Buckwheat.	7
<i>c</i> Oats.	3	<i>g</i> Grasses.	8
<i>d</i> Rye.	5	<i>h</i> Forage plants.	9
<i>e</i> Buckwheat.	7	50. McHenry County Agricultural Board,	
<i>f</i> Grasses.	8	Woodstock. Corn.	2
<i>g</i> Forage plants.	9	51. McHenry, J. W., Carmi.	
31. Helms & Ripley, Belleville.		<i>a</i> Wheat.	1
<i>a</i> Wheat.	1	<i>b</i> Corn.	2
<i>b</i> Corn.	2	<i>c</i> Oats.	3
<i>c</i> Oats.	3	<i>d</i> Rye.	5
<i>d</i> Barley.	4	<i>e</i> Forage plants.	9
<i>e</i> Rye.	5	52. McOmber, H. L., El Paso. Corn.	2
<i>f</i> Buckwheat.	7	53. March, F. W., Daysville. Corn.	2
<i>g</i> Grasses.	8	54. Massac County Fruit Growers' Ass'n,	
<i>h</i> Forage plants.	9	Metropolis.	
32. Herr, Mart., Panola. Corn.	2	<i>a</i> Wheat.	1
33. Hill, Daniel, El Paso. Corn.	2	<i>b</i> Corn.	2
34. Hodge, W. H., Morris.		<i>c</i> Oats.	3
<i>a</i> Wheat.	1	<i>d</i> Rye.	5
<i>b</i> Corn.	2	<i>e</i> Buckwheat.	7
<i>c</i> Oats.	3	<i>f</i> Grasses.	8
<i>d</i> Barley.	4	<i>g</i> Forage plants.	9
<i>e</i> Rye.	5	55. Millard, Benjamin, Rockford.	
<i>f</i> Buckwheat.	7	<i>a</i> Wheat.	1
<i>g</i> Grasses.	8	<i>b</i> Oats.	3
<i>h</i> Forage plants.	9	56. Miller, C. E., Panola. Corn.	2

UNITED STATES.

57.	Murray, Ed., Daysville.	Corn.	2
58.	Nash, J. E., Princeton.		
	<i>a</i> Wheat.		1
	<i>b</i> Corn.		2
	<i>c</i> Oats.		3
	<i>d</i> Barley.		4
	<i>e</i> Rye.		5
	<i>f</i> Buckwheat.		7
	<i>g</i> Grasses.		8
	<i>h</i> Forage plants.		9
59.	Neeper, A., Kinmundy.		
	<i>a</i> Wheat.		1
	<i>b</i> Corn.		2
	<i>c</i> Oats.		3
	<i>d</i> Rye.		5
	<i>e</i> Buckwheat.		7
	<i>f</i> Grasses.		8
	<i>g</i> Forage plants.		9
60.	Nethercott, Robert, El Paso.	Corn.	2
61.	Patton, John, Panola.	Corn.	2
62.	Pinkham, George, Panola.	Corn.	2
63.	Pierpont, Theron, Rockford.	Corn.	2
64.	Pleasant, James, El Paso.	Corn.	2
65.	Rice, Wm., Rockford.	Grasses.	8
66.	Russell, A. E., Shattuc.		
	<i>a</i> Wheat.		1
	<i>b</i> Corn.		2
	<i>c</i> Oats.		3
	<i>d</i> Rye.		5
	<i>e</i> Buckwheat.		7
	<i>f</i> Grasses.		8
	<i>g</i> Forage plants.		9
67.	Sawyer, W. J., Belvidere.		
	<i>a</i> Corn.		2
	<i>b</i> Grass.		8
68.	Schofield, John, El Paso.	Corn.	2
69.	Seiler, J. E., Mt. Carmel.		
	<i>a</i> Wheat.		1
	<i>b</i> Corn.		2
	<i>c</i> Oats.		3
	<i>d</i> Rye.		5
	<i>e</i> Grasses.		8
	<i>f</i> Forage plants.		9
70.	Shedden, Robert, Pingree Grove.		
	<i>a</i> Wheat.		1
	<i>b</i> Corn.		2
	<i>c</i> Oats.		3
	<i>d</i> Barley.		4
	<i>e</i> Rye.		5
	<i>f</i> Buckwheat.		7
	<i>g</i> Grasses.		8
	<i>h</i> Forage plants.		9
71.	Sheen, Geo., El Paso.	Corn.	2
72.	Sibley, C. W., Pana.		
	<i>a</i> Wheat.		1
	<i>b</i> Corn.		2
	<i>c</i> Oats.		3
	<i>d</i> Rye.		5
	<i>e</i> Buckwheat.		7
	<i>f</i> Grasses.		8
	<i>g</i> Forage plants.		9
73.	Stephenson, C. M., Secor.	Corn.	2
74.	Stevens, Geo., Rockford.	Grasses.	8
75.	Stevens, Wm., Daysville.	Barley.	4
76.	Stitt, S. S., El Paso.	Corn.	2
77.	Stonebraker, Mr., Panola.	Corn.	2
78.	Storrs, John, Rockford.	Oats.	3
79.	Stumbaugh, Levi, El Paso.	Corn.	2
80.	Swartz, James, El Paso.	Corn.	2
81.	University of Illinois, Champaign.		
	<i>a</i> Wheat.		1
	<i>b</i> Corn.		2
	<i>c</i> Oats.		3

	<i>d</i> Barley.		4
	<i>e</i> Rye.		5
	<i>f</i> Buckwheat.		7
	<i>g</i> Grasses.		8
	<i>h</i> Forage plants.		9
82.	Vanbel, Adam, Peoria.		
	<i>a</i> Wheat.		1
	<i>b</i> Corn.		2
	<i>c</i> Oats.		3
	<i>d</i> Barley.		4
	<i>e</i> Rye.		5
	<i>f</i> Buckwheat.		7
	<i>g</i> Grasses.		8
	<i>h</i> Forage plants.		9
83.	Weedman, T. S., Farmer City.		
	<i>a</i> Wheat.		1
	<i>b</i> Corn.		2
	<i>c</i> Oats.		3
	<i>d</i> Barley.		4
	<i>e</i> Rye.		5
	<i>f</i> Buckwheat.		7
	<i>g</i> Grasses.		8
	<i>h</i> Forage plants.		9
84.	Whitten, Altert, Bismarck.	Corn.	2
85.	Wilcox, John, Rockford.		
	<i>a</i> Wheat.		1
	<i>b</i> Oats.		3
86.	Wolf, John, Canton.	Grasses.	8
87.	Wyman, Byron F., Sycamore.	Grasses.	8

GROUP 3.

88.	Bone, F. E., Tallula.	Sorghum.	24
89.	Burdick, J. L., Rockford.	Sorghum.	24
90.	Butler, J. J., Eldorado.	Sorghum.	24
91.	Confectioners' and Bakers' Supply Co.	Chicago, Confectionery.	27
92.	Furman, E. S., El Paso.		
	<i>a</i> Sugar cane.		17
	<i>b</i> Sorghum.		24
93.	Hay, Leon, Kankakee.	Sorghum.	24
94.	Helms & Ripley, Belleville.		
	<i>a</i> Sugar cane.		17
	<i>b</i> Sorghum.		24
95.	Hooker, M. A., McLeansboro.	Sorghum.	24
96.	Huff, Jacob, Grand Detour.	Sorghum.	24
97.	Kimmel, W. G., Jonesboro.	Sugar cane.	17
98.	La Rosh, S. D., Pekin.	Sorghum.	24
99.	McHenry, J. W., Carmi.		
	<i>a</i> Sugar cane.		17
	<i>b</i> Sorghum.		24
100.	Masac County Fruit Growers' Ass'n, Metropolis.	Sorghum.	24
101.	Nash, J. E., Princeton.	Sorghum.	24
102.	Neeper, A., Kinmundy.	Sorghum.	24
103.	Russell, A. E., Shattuc.	Sorghum.	24
104.	Shedden, Robert, Pingree Grove.	Sugar cane.	17
105.	Sibley, C. W., Pana.	Sorghum.	24
106.	University of Illinois, Champaign.	Sorghum.	24
107.	Weedman, T. S., Farmer City.	Sorghum.	24

GROUP 4.

108.	Bone, F. E., Tallula.		
	<i>a</i> Potatoes.		28
	<i>b</i> Sugar beets, mangel wurzels, etc.		29
	<i>c</i> Turnips.		30
109.	Brumback, David, Danforth.	Potatoes, sweet potatoes, yams.	28

UNITED STATES.

GROUP 9.	
164. Bone, F. E., Tallula. Hemp.	59
165. Brumback, David, Danforth. Hemp and flax.	59
166. Burdick, J. L., Rockford. Flax.	59
167. Chester, T. P., Champaign. Hemp and flax.	59
168. Edmonds, W. P., Taylor. Hemp.	59
169. Kimmel, W. G., Jonesboro. Cotton.	53
170. La Rosh, S. D., Pekin. Hemp and flax.	59
171. Neepser, A., Kinmundy. Hemp.	59
172. Shedden, Robert, Pingree Grove. Hemp and flax.	59
173. Weedman, T. S., Farmer City. Hemp.	59

INDIANA.

GROUP 1.	
1. Armentrout, W. D., Crawfordsville. Wheat.	1
2. Barker, I. N., Thorntown. <i>a</i> Corn.	2
<i>b</i> Clover seed.	9
3. Bazner, John, Bunker Hill. Corn.	2
4. Beach, B. S., Valparaiso. Corn.	2
5. Beers, Thomas, Hecla. Wheat.	1
6. Bennett, Harry, Franklin. Corn.	2
7. Blair, John, Peru. Wheat.	1
8. Boyer, John, Thorntown. Corn.	2
9. Bridges, B. F., Rockport. Corn.	2
10. Burk, Ellis, Crawfordsville. <i>a</i> Oats.	3
<i>b</i> Barley.	4
11. Cap, I. B., & Son, Bicknell. Corn.	2
12. Clark, Joseph, Goodland. Corn.	2
13. Cloud, David, Thorntown. Corn.	2
14. Colwell, S. N., Mt. Ayr. Corn.	2
15. Connolly, W. A., Eel River. Corn.	2
16. Cooper, D. F., Columbia City. Wheat.	1
17. Corey, James, Oakland City. Oats.	3
18. Coss, John, Bellmore. Clover seed.	9
19. Cramer, Peter, Columbia City. Corn.	2
20. Culbertson, E. & C., Moorfield. <i>a</i> Barley.	4
<i>b</i> Timothy.	8
<i>c</i> Clover seed.	9
21. Curry, John, New Carlisle. Wheat.	1
22. Davis, Joseph E., Marion. Corn.	2
23. Decker, Geo., Columbia City. Oats.	3
24. Deller, A., Angola. <i>a</i> Corn.	2
<i>b</i> Oats.	3
25. Devericks, James A., La Fontaine. Timothy.	8
26. Dickens, B. W., Marion. Wheat.	1
27. Dibble, Chas., Patriot. Buckwheat.	7
28. Dibbin, Charles, Patriot. Rye.	5
29. Downing, Charles, Greenfield. Corn.	2
30. Downing, Geo. H., Crawfordsville. Corn.	2
31. Druliner, Quinby, Mill Creek. Oats.	3
32. Dungan, W. S., Franklin. Corn.	2
33. Edwards, Charles, Peru. <i>a</i> Corn.	2
<i>b</i> Oats.	3
34. Ettinger, Geo. D., Bourbon. <i>a</i> Oats.	3
<i>b</i> Rye.	5
<i>c</i> Buckwheat.	7
35. Ettinger, Geo. D., Bourbon. Wheat.	1
36. Everett, J. A., Indianapolis. <i>a</i> Wheat.	1
<i>b</i> Corn.	2
<i>c</i> Oats.	3
<i>d</i> Orchard grass.	8
<i>e</i> Clover seed.	9
37. Fischer, Emory, Borden. Wheat.	1
38. Gilmore, A. S., Greensburg. Wheat.	1
39. Goss, John, Bellmore. <i>a</i> Wheat.	1
<i>b</i> Oats.	3
<i>c</i> Barley.	4
<i>d</i> Rye.	5
<i>e</i> Buckwheat.	7
40. Gregg, W. P., Goodland. Corn.	2
41. Harper, Elijah, Oakland City. Corn.	2
42. Hayden, Charles L., Otwell. Corn.	2
43. Hayworth, James H., Georgetown. Oats.	3
44. Hodges, Mrs. Stella, Rockport. Wheat.	1
45. Hoff, Henry O., Ligonier. Oats.	3
46. Hughes, Austin, Newport. Corn.	2
47. Indianapolis Hominy Mills, Indianapolis. Grits.	11
48. Key, J. P., Patoka. Corn.	2
49. Kirminghoff, D., Angola. Wheat.	1
50. Lee, Chas. S., Sugar Branch. Wheat.	1
51. Lenhard, Christopher, Poling. Corn.	2
52. Long, J. S., Salamonina. Wheat.	1
53. Louton, O. P., Hillsdale. Wheat.	1
54. Magill, A. L., Franklin. Timothy.	8
55. Marvel, John, Indianapolis. <i>a</i> Timothy and orchard grass.	8
<i>b</i> Clover seed.	9
56. Maze, W. A., Sharpsville. Corn.	2
57. McCreary, Alb., Markland. Oats.	3
58. McCollough, Maxwell, Crawfordsville. Corn.	2
59. McGinley, Isaac, Valparaiso. Corn.	2
60. Miller, Ed., Peru. Corn.	2
61. Miller, Geo. W., West Lebanon. Wheat.	1
62. Miller, H. F., Rockport. Corn.	2
63. Moore, James, Bloomington. Wheat.	1
64. Moore, J. W., Ligonier. Corn.	2
65. Morris, C. S., Angola. Barley.	4
66. Morrison, W. L., Scottsburg. Corn.	2
67. Motter, C. H., Rockport. Oats.	3
68. Norris, C. S., Angola. Wheat.	1
69. Nowlin, A. E., Lawrenceburg. Corn.	2
70. Pickett, Jabes, Greensboro. Wheat.	1
71. Powers, L. A., Angola. <i>a</i> Rye.	5
<i>b</i> Buckwheat.	7
72. Pumphrey, Geo. O., Mt. Ayr. Corn.	2
73. Reynolds & Son, Weaver. Barley.	4
74. Reynolds & Son, Weaver. Wheat.	1
75. Riley, Howard, Thorntown. Corn.	2

DEPARTMENT A.—AGRICULTURE.

76. Riley, James, Thorntown.			
<i>a</i> Wheat.	1		
<i>b</i> Corn.	2		
<i>c</i> Oats.	3		
<i>d</i> Clover seed.	9		
77. Sash, Leroy, Martinsburg.	3	Oats.	
78. Sash, Leroy, Martinsburg.	1	Wheat.	
79. Sedan, John M., East Enterprise.	1	Corn.	
80. Seig, John Q. A., Corydon.	2	Corn.	
81. Shoemaker, Ed., Columbia.			
<i>a</i> Rye.	5		
<i>b</i> Buckwheat.	7		
82. Smiley, A. M., Laughery.	2	Corn.	
83. Smith, J. B., Queensville.	2	Corn.	
84. Smith, Willard, East Enterprise.			
<i>a</i> Oats.	3		
<i>b</i> Barley.	4		
85. South, A. A., Rutland.	3	Oats.	
86. Stoneman, J. R., Spencer.	3	Oats.	
87. Stout, Wm., Portland.	1	Wheat.	
88. Stout, Lee, Franklin.	1	Wheat.	
89. Strain, S. Vet., Princeton.	2	Corn.	
90. Strain & Bro., Princeton.	8	Timothy.	
91. Taylor, Hubbard, Yankeetown.		Wheat.	1
92. Techenon, Albert, Princeton.	1	Wheat.	1
93. Thomas, Geo., Rockport.	2	Corn.	
94. Thomas, Henry, La Fontaine.			
<i>a</i> Rye.	5		
<i>b</i> Buckwheat.	7		
95. Thompson, Alfred H., Bly.	2	Corn.	
96. Thompson, Cyrus J., Vincennes.			
Wheat.	1		
97. Thornburg & Lawrence, Rutland.			
Wheat.	1		
98. Tichenon, Geo., Princeton.	2	Corn.	
99. Trout, Lee, Franklin.			
<i>a</i> Corn.	2		
<i>b</i> Oats.	3		
100. Wildmarth, Emanuel, Pleasant Plains.			
<i>a</i> Oats.	3		
<i>b</i> Rye.	5		
<i>c</i> Buckwheat.	7		
101. Wilhelm, I. C., Ligonier.			
<i>a</i> Rye.	5		
<i>b</i> Buckwheat.	7		
102. Woods, Frank, Princeton.			
<i>a</i> Rye.	5		
<i>b</i> Buckwheat.	7		
GROUP 3.			
103. Everett, J. A., Indianapolis.		Sugar cane.	17
GROUP 5.			
104. Everett, J. A., Indianapolis.		Beans, peas and broom corn.	32
GROUP 7.			
105. Barnett, Mrs. Ida, Muncie.		Butter.	42
106. Borden, Mrs., Borden.		Butter.	42
107. Busick, Mrs. Kate M., Wabash.		Butter.	42
108. Claypol, Mrs. Marcus, Muncie.		Butter.	42
109. Graybill, Mrs. S. C., Ladoga.		Butter.	42
110. Hayden, Mrs. Edgar, Lowell.		Butter.	42
111. Hill, Mrs. Pauline, Lowell.		Butter.	42
112. Kean, Mrs. Morgan, Mitchell.		Butter.	42
113. King, G. S., Edenburg.		Butter.	42
114. Lowell Co-operative Creamery,		Lowell.	42
115. Nye, Mrs. Jennie R., Goshen.		Butter.	42
116. Perdu University, Lafayette.		Butter.	42
117. Rensselaer Separated Butter Co.,		Rensselaer.	42
118. Roberts, Mrs. Mary Ann, Pendleton.		Butter.	42
119. St. Johns Creamery, St. Johns.		Butter.	42
120. Tresenrighter, Mrs. H., Georgetown.		Butter.	42
GROUP 9.			
121. Combs, H. L., South Whitney.		Wool.	60
122. Conner, Sid, Flat Rock.		Wool.	60
123. Cowgill, C., Warsaw.		Wool.	60
124. Cuilliams, James A., Fincastle.		Wool.	60
125. Dolph, A. S., Teagarden.		Wool.	60
126. Dunn, C. H., Auburn.		Wool.	60
127. Everett, J. A., Indianapolis.		Hemp and flax.	59
128. Harding, T. L., La Porte.		Wool.	60
129. Haverstock, S. G., Butler.		Wool.	60
130. Helser, Eli, Warsaw.		Wool.	60
131. Lewis, Benson R., Salem Centre.			
132. M'Millen, I., Upland.		Wool.	60
133. Mitchell, Roberts, Princeton.		Wool.	60
134. Replogle, O. E., La Porte.		Wool.	60
135. Sanders, Daniel A., Goshen.		Wool.	60
136. Skinner & Collett, Denver.		Wool.	60
137. Thompson, John L., & Sons, Arcana.		Wool.	60
138. Thompson, John L., Marion.		Wool.	60
139. Whipp, Wm., & Son, Carlisle.		Wool.	60
140. White, Will A., Franklin.		Wool.	60
141. Wiley, W. M., New Augusta.		Wool.	60
142. Williams, I. J., & Son, Muncie.		Wool.	60

IOWA

GROUP 1.

1. Alberts, John H., Jefferson.		29. Mergham, P. L., Clayton. Corn.	2
<i>a</i> Corn.	2	30. McCandless, S. A., Belle Plaine.	
<i>b</i> Millet.	8	Corn.	2
2. Angus, William, Straham. Millet.	10	31. McCulloch, Fred, Hartwick.	
3. Ashton, Charles, Guthrie Centre.		<i>a</i> Corn.	2
Wheat.	1	<i>b</i> Oats.	3
4. Beecher, A. H., Ida Grove.		32. Nims Bros., Emerson.	
<i>a</i> Wheat.	1	<i>a</i> Oats.	3
<i>b</i> Oats.	2	<i>b</i> Buckwheat.	7
5. Bice, Clyde, Perry. Corn.	2	<i>c</i> Grasses.	6
6. Bills, Henry, Perry. Corn.	2	33. Nims, D. B., Emerson.	
7. Clark, B. B., Red Oak. Wheat.	1	<i>a</i> Grasses, timothy and millet.	8
8. Cleete, L. G., Manchester.		<i>b</i> Alfalfa.	9
<i>a</i> Wheat.	1	34. Packard, S. B., Marshalltown.	
<i>b</i> Corn.	2	Wheat.	1
<i>c</i> Oats.	3	35. Plummer, A. L., Ivy.	
<i>d</i> Barley.	4	<i>a</i> Corn.	2
<i>e</i> Rye.	5	<i>b</i> Clover seed.	9
<i>f</i> Buckwheat.	7	36. Plymouth County World's Fair Ass'n,	
<i>g</i> Grasses.	8	Le Mars.	
<i>h</i> Clover seed.	9	<i>a</i> Wheat.	1
9. Collman, A. F., Corning.		<i>b</i> Flour and mill feed.	11
<i>a</i> Wheat.	1	37. Price, John, Des Moines.	
<i>b</i> Corn.	2	<i>a</i> Wheat.	1
<i>c</i> Oats.	3	<i>b</i> Rye.	5
<i>d</i> Barley.	4	38. Reeves, Elmer, Waverly. Grasses.	8
<i>e</i> Hay.	8	39. Royer, Guy, Perry. Corn.	2
10. Connell, H. H., Guernsey. Timothy,		40. Rundell, L., Iowa City.	
red top and seeds.	8	<i>a</i> Wheat.	1
11. Cownie, John W., South Amana.		<i>b</i> Barley.	4
Timothy seed.	8	41. Russell, J. J., Mason City. Corn.	2
12. Crall, M., Mason City. Corn.	2	42. Rutherford, J. B., Manchester. Rye.	5
13. Dongal, E., Panama. Corn.	2	43. Smith, E. H., Dubuque.	
14. Doolittle, J. E., Cresco.		<i>a</i> Wheat.	1
<i>a</i> Corn.	2	<i>b</i> Oats.	3
<i>b</i> Oats.	3	<i>c</i> Grasses, clover and millet.	8
15. Elliott, Joseph, Polen.		44. Snuder, Jacob A., Marshalltown.	
<i>a</i> Wheat.	1	Corn.	2
<i>b</i> Corn.	2	45. Sprintig, Henry, Perry, Corn.	2
16. Ellis, J. C., Truro. Corn.	2	46. Steigerwalt, W. F., Carroll.	
17. Eral, F. R., Rolfe.		<i>a</i> Oats.	3
<i>a</i> Corn.	2	<i>b</i> Rye.	5
<i>b</i> Millet.	8	<i>c</i> Timothy.	8
18. Franklin, Geo. W., Atlantic. Wheat.	1	47. Surfus, C. V., Bristow.	
19. Harvey, Graves, Des Moines. Millet		<i>a</i> Corn.	2
seed.	2	<i>b</i> Oats.	3
20. Harvey, Henry, Des Moines. Barley.	4	48. Thompson, Wm., Humboldt.	
21. Herrold, Henry, Ridgedale. Corn.	2	<i>a</i> Corn.	2
22. Holmes, Joseph, Marshalltown. Mil-		<i>b</i> Timothy seed.	8
let.	8	49. Werges, Fred, National.	
23. Hudler, Lee, Audubon.		<i>a</i> Wheat.	1
<i>a</i> Rye.	5	<i>b</i> Oats.	3
<i>b</i> Timothy.	8	50. Wilson, J. J., Norwalk. Rye.	5
24. Husted, William M., Des Moines.		51. White, F. S., Des Moines.	
Corn.	2	<i>a</i> Wheat.	1
25. James, Moses, Perry. Corn.	2	<i>b</i> Oats.	3
26. Keegel, E. W., Garnavillo.		<i>c</i> Barley.	4
<i>a</i> Corn.	2	<i>d</i> Buckwheat.	7
<i>b</i> Oats.	3	<i>e</i> Timothy, grass and millet seeds.	8
<i>c</i> Timothy.	8	52. Wilson, W. A., Waterloo. Wild	
27. Knickerbocker, E. H., & Co. Fairfax.		grasses.	8
<i>a</i> Wheat.	1	53. Wright, E. P., Summerset.	
<i>b</i> Corn.	2	<i>a</i> Wheat.	1
<i>c</i> Oats.	3	<i>b</i> Corn.	2
<i>d</i> Rye.	5	<i>c</i> Buckwheat.	7
28. Kreuger, Wm., Garnavillo. Corn.	2	<i>d</i> Millet and timothy.	8

DEPARTMENT A.—AGRICULTURE.

GROUP 3.

54. Clute, L. G., Manchester. Honey and beeswax. 26
 55. Herrold, Henry, Ridgedale. Syrup. 24
 56. Kretchmer, E., Red Oak. Honey, beeswax and bee culture appliances. 26
 57. Wherry, J. P., Guernsey. Syrup. 24

GROUP 4.

58. Clute, L. G., Manchester.
a Irish and sweet potatoes. 28
b Garden and table vegetables and root crop. 30
 59. Collman, A. F., Corning. Potatoes. 28
 60. Gabrilson, C. L., New Hampton. Potatoes. 28
 61. Hethershaw, James, Des Moines. Potatoes. 28
 62. Wright, E. P., Summerset. Potatoes. 28

GROUP 5.

63. Clute, L. G., Manchester. Beans. 32

GROUP 7.

64. Garber, J., Rockwell. Butter. 42
 65. Lyon, Mrs. C. H., Dexter. Butter. 42
 66. Plummer, A. L., Ivy. Butter. 42
 67. Renner Bros., Grand Junction.
a Butter. 42
b Cheese. 43

GROUP 9.

68. Clute, L. G., Manchester. Flax seed. 59

GROUP 17.

69. Clayton, B. F., Macedonia. Soil. 93
 70. Crosby, Jas. O., Garnavillo. Soil. 93
 71. Guelich, Theod., Burlington. Soil. 93
 72. Madden, J. J., Le Mars. Soil. 93
 73. McCullock, Fred, Hartwick. Soil. 93
 74. Roberts, A. C., Fort Madison. Soil. 93
 75. Thompson, Jasper, Forest City. Soil. 93
 76. Wilson, James, Ames. Soil. 93

KENTUCKY.

GROUP 1.

1. Alvis, J. J., Henderson. Corn. 2
 2. Atkinson, John B., Earlington. Grasses. 8
 3. Bard, Taylor, Fulton. Wheat. 1
 4. Bard, W. N., Bardwell. Wheat. 1
 5. Bennett, Edward, Henderson. Wheat. 1
 6. Campbell, Thomas W., Clinton. Wheat. 1
 7. Camp, Edward, Trenton. Wheat. 1
 8. Camp, Richard, Trenton. Wheat. 1
 9. Cash, W. B., Fancy Farm. Wheat. 1
 10. Chestnut, W. J., Brodhead. Wheat in straw. 1
 11. Clardy, F. C., Newstead. Clover seed. 9
 12. Clardy, J. D., & Sons, Newstead.
a Wheat. 1
b Corn. 2
c Clover seed. 9
 13. Coke, Guthrie, Jr., Allensville.
a Wheat. 1
b Clover. 9
 14. Cooper, J. W., Smiths. Wheat. 1
 15. Cratton, Edwin, Owensboro. Wheat. 1
 16. Davis, James M., Roscoe.
a Wheat. 1
b Timothy. 8
 17. Egbert, J. E., Clinton. Wheat. 1
 18. Elam, Abesham, Henderson. Corn. 2
 19. Farmer, H. H., Anthoston. Wheat. 1
 20. Flournoy, L. C., Morganfield. Wheat. 1
 21. Gaines, R. E., Walnut Flat. Wheat. 1
 22. Gaines, Thomas, Newstead. Orchard grass. 8
 23. Gardner, T. T., Bardwell. Wheat. 1
 24. Garnett, J. F., Casky. Wheat. 1
 25. Gilman & Conell, Lexington. Blue-grass seed. 8
 26. Given, J. W., Morganfield. Wheat. 1
 27. Graham, T. L., Casky. Corn. 2

28. Hammer, William E., Morganfield. Wheat. 1
 29. Hart, B. M., Boxville. Corn. 2
 30. Harris, Amos, Flournoy. Wheat. 1
 31. Hayworth, R. M. J., Bardwell. Wheat. 1
 32. Henry, Arthur, Shelbyville. Clover seed. 9
 33. Henshaw, William, Henshaw.
a Wheat. 1
b Corn. 2
 34. Hewlett, J. R., Princeton.
a Wheat. 1
b Grass. 8
 35. Hill, Bona, Henderson. Wheat. 1
 36. Hite, J. W., Waverly. Wheat. 1
 37. Ingram, J. F., Princeton. Wheat. 1
 38. Jackson, Joe, Clinton. Wheat. 1
 39. Jackson, W. J., Clinton. Wheat. 1
 40. Johnson, M. D., Casey. Wheat. 1
 41. Lambert, Robert, Morganfield. Corn. 2
 42. Lowery, W. A., Hopkinsville. Wheat. 1
 43. Martin, George, Carding. Corn. 2
 44. McConnett, R. Y., Jordan. Wheat. 1
 45. Morgan, R. R., Princeton. Corn. 2
 46. Moseley, W. W., Arlington. Wheat. 1
 47. Oty, J. W., Robard. Corn. 2
 48. Owen, M. V Lexington.
a Oats. 3
b Timothy. 8
 49. Pennman, J. D., Clinton.
a Wheat. 1
b Clover. 9
 50. Pettitt, G. W., Princeton. Wheat. 1
 51. Prather, Edward, Casky. Wheat. 1
 52. Radford, W. T., Pembroke. Wheat. 1
 53. Ratliff, R. B., Princeton.
a Wheat. 1
b Grass. 8
 54. Rowley, Robert, Uniontown.
a Wheat. 1
b Corn. 2

UNITED STATES.

55. Rudd, Allen, Owensboro. Wheat.	1	95. Carroll, M. H., Fairview. Tobacco.	48
56. Scovell, M. A., Lexington.		96. Cassidy, J. T., Lexington. Burley	
<i>a</i> Wheat.	1	leaf tobacco.	48
<i>b</i> Grass.	8	97. Chinn, Hubbard, Paris. Burley leaf	
57. Shetton, P. T., Newstead. Corn.	2	tobacco.	48
58. Sims, L. B., Cobb.		98. Clardy, F. C., Newstead. Tobacco	
<i>a</i> Wheat.	1	seed.	48
<i>b</i> Corn.	2	99. Clardy, J. D., & Sons, Newstead. To-	
59. Small, T. T., Allensville.		bacco.	48
<i>a</i> Wheat.	1	100. Clarke, Edward, Owensboro. To-	
<i>b</i> Timothy.	8	bacco.	48
60. Spicer, J. W., Clinton. Wheat.	1	101. Cooper, J. W., Smiths. Tobacco.	48
61. Stanley, Nat., Owensboro. Wheat.	1	102. Craig, J. B., Waverly. Tobacco.	48
62. Stanley, William, Scuffletown. Corn.	2	103. Cratton, Edwin, Owensboro. To-	
63. Stone, Alfred, Clinton. Wheat in		bacco.	48
straw.	1	104. Crenshaw, Al., Dripping Springs.	
64. Stowe, Robert, Lexington. Orchard		Tobacco.	48
grass.	8	105. Crenshaw, J. T., Shelbyville. Burley	
65. Sublett, J. C., Clinton.		leaf tobacco.	48
<i>a</i> Wheat.	1	106. Crutcher, Wash., Jett. Burley leaf	
<i>b</i> Clover.	9	tobacco.	48
66. Sugg, John, Morganfield.		107. Davisman, S. P., Bardstown. Bur-	
<i>a</i> Wheat.	1	ley leaf tobacco.	48
<i>b</i> Corn.	2	108. Davis, T. W., Williamsburg. Burley	
67. Surr, R. J., Lexington. Bluegrass.	8	leaf tobacco.	48
68. Tucker, W. H., Roscoe.		109. Dawson, Mont., Dripping Springs.	
<i>a</i> Wheat.	1	Tobacco.	48
<i>b</i> Corn.	2	110. Dawson, Wick, Perdue. Tobacco.	48
69. Wakefield, Brown, Trenton. Wheat.	1	111. Denton, J. D., Henderson. Tobacco.	48
70. Waller, Mrs., Morganfield.		112. Elgin, F. W., Hopkinsville. Tobacco.	48
<i>a</i> Wheat.	1	113. Elliott, Wm. J. Burley leaf tobacco.	48
<i>b</i> Corn.	2	114. Ellis, C. M., Shelbyville. Burley leaf	
71. Wall, M. M., Allensville.		tobacco.	48
<i>a</i> Wheat.	1	115. Farmer, H. H., Anthoston. Tobacco.	48
<i>b</i> Timothy.	8	116. Felix, Judge J. J. Burley leaf tobacco.	48
<i>c</i> Clover.	9	117. Fritz, John, Fairview. Tobacco.	48
72. Walton, Frank, Allensville.		118. Fritz, Michael, Hopkinsville. To-	
<i>a</i> Wheat.	1	bacco.	48
<i>b</i> Clover.	9	119. Froman, W. H., Carrollton. Burley	
73. Wayne, T. P., Clinton. Wheat.	1	leaf tobacco.	48
74. White, H. C., Trenton. Wheat.	1	120. Furguson, Robert, Paris. Burley leaf	
75. Wilson, T. J., Wilson. Wheat.	1	tobacco.	48
76. Young, J. W., Henshaw. Wheat.	1	121. Gaines, J. J., Gracey. Tobacco.	48
GROUP 8.			
77. Adams, Q., Lewisport. Tobacco.	48	122. Gaines, Will A., Paris. Burley leaf	
78. Allen, J. C., Shelbyville. Burley leaf		tobacco.	48
tobacco.	48	123. Garrett, Samuel, Princeton. Tobacco.	48
79. Ash, W. C. Burley leaf tobacco.	48	124. Garth, Webb, Trenton. Tobacco.	48
80. Barrett, James, Henderson. Tobacco.	48	125. Gill, Robert, Allensville. Tobacco.	48
81. Bennett, Edward, Henderson. Tobac-		126. Goetz, Casper, Owensboro. Tobacco.	48
co.	48	127. Halton, W. L., Maysville. Burley	
82. Blakemore, Sam, New Castle. Burley		leaf tobacco.	48
leaf tobacco.	48	128. Hardy, J., Owensboro. Tobacco.	48
83. Boyd, J. A., Kelley. Tobacco.	48	129. Hawkins, J. W., Paris. Burley leaf	
84. Boyd, L., Kelley. Tobacco.	48	tobacco.	48
85. Boyd, Roe, Kelley. Tobacco.	48	130. Hawkins, W. B., Lexington. Burley	
86. Bradford, S. W., Augusta. Burley		leaf tobacco.	48
leaf tobacco.	48	131. Head, W. G., Henderson. Tobacco.	48
87. Bryant, Henry, Gracey. Tobacco.	48	132. Heilman, Jacob, New Castle. Bur-	
88. Burrows, Ed., Salvisa. Burley leaf		ley leaf tobacco.	48
tobacco.	48	133. Hester, James C., Sedalia. Tobacco	48
89. Busch, Marion, Versailles. Burley		leaf tobacco.	48
leaf tobacco.	48	134. Hill, Bona, Henderson. Tobacco.	48
90. Byar, Sam, Augusta. Burley leaf to-		135. Hinkle, M. A., Bardstown. Burley	
bacco.	48	leaf tobacco.	48
91. Calhoun, George C., Owensboro. To-			
bacco.	48		
92. Callaway, S. P., New Castle. Burley			
leaf tobacco.	48		
93. Camp, Richard, Trenton. Tobacco.	48		
94. Camp, Richard, Trenton. Tobacco.	48		

LOUISIANA.

GROUP 1.

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|---|---|
| 1. Louisiana World's Fair Commission,
New Orleans. | |
| <i>a</i> Corn. | 2 |
| <i>b</i> Oats. | 3 |
| 2. New Orleans Board of Trade, New Orleans. Rice, showing methods of cultivating, harvesting and milling. | 6 |

GROUP 3.

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| 3. Louisiana Sugar Exchange, New Orleans. | |
| <i>a</i> Methods and manner of producing sugar and molasses. | 17 |
| <i>b</i> Raw and clarified sugars and syrups. | 18 |

GROUP 8.

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| 4. Louisiana World's Fair Commission,
New Orleans. Tobacco. | 48 |
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GROUP 9.

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|---|----|
| 5. Louisiana World's Fair Commission,
New Orleans. Silk cocoons. | 61 |
| 6. New Orleans Cotton Exchange, New Orleans. | |
| <i>a</i> Cotton. | 53 |
| <i>b</i> Cotton seed oil and hulls. | 56 |

GROUP 17.

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| 7. Louisiana World's Fair Commission,
New Orleans. Soils. | 84 |
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MAINE.

GROUP 1.

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|---|---|
| 1. Cheen, S. W. L., Exeter Mills. Barley. | 4 |
| 2. Blodgett, Geo. H., Bowdoinham. Corn. | 2 |
| 3. Blossom, L. H., South Turner. | |
| <i>a</i> Corn. | 2 |
| <i>b</i> Barley. | 4 |
| 4. Bradford, E. F., Wayne. Wheat. | 1 |
| 5. Briggs, D. J., South Turner. Corn. | 2 |
| 6. Butler, Alonzo, Union. Wheat. | 1 |
| 7. Day, Prentiss, Kennebunk. | |
| <i>a</i> Barley. | 4 |
| <i>b</i> Rye. | 5 |
| 8. Eastman, A. A., Dexter. Buckwheat. | 7 |
| 9. Farrer, Harry, South Paris. Oats. | 3 |
| 10. Hardison, H. S., Caribou. | |
| <i>a</i> Wheat. | 1 |
| <i>b</i> Oats. | 3 |
| <i>c</i> Barley. | 4 |
| 11. Jerrard, Geo. W. P., Caribou. Oats. | 3 |
| 12. Johnson, N., Springfield. Corn. | 2 |
| 13. Littlefield, O. W., Augusta. Barley. | 4 |
| 14. McKeen, A. W., North Fryeburg. Oats. | 3 |
| 15. Meader, O., Albion. Corn. | 2 |
| 16. Phinney, W. H., Machias. | |
| <i>a</i> Wheat. | 1 |
| <i>b</i> Barley. | 4 |
| 17. Pinkham, N. C., Bolster's Mills. | |
| <i>a</i> Wheat. | 1 |
| <i>b</i> Corn. | 2 |
| 18. Roberts, Dimon, Goodwin's Mills. | |
| <i>a</i> Barley. | 4 |
| <i>b</i> Rye. | 5 |
| 19. Smart, Jesse, North Turner. Rye. | 5 |
| 20. Smith, C. E., Boothbay. Oats. | 3 |
| 21. Snell, H. H., Riverside. | |
| <i>a</i> Wheat. | 1 |
| <i>b</i> Oats. | 3 |
| <i>c</i> Barley. | 4 |
| <i>d</i> Rye. | 5 |

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| 22. Sprague, E. B., Bowdoinham. Corn. | 2 |
| 23. Sweetser, C. S., North Yarmouth. Oats. | 3 |
| 24. Taylor, J. H., Kennebunk. Wheat. | 1 |
| 25. Taylor, J. M., Kennebunk. Rye. | 5 |
| 26. Tucker, Herbert M., South Paris. | |
| <i>a</i> Corn. | 2 |
| <i>b</i> Barley. | 4 |
| <i>c</i> Rye. | 5 |
| 27. Upton, H. N., Bethel. | |
| <i>a</i> Wheat. | 1 |
| <i>b</i> Corn. | 2 |
| 28. Willey, B. F., Cherryfield. | |
| <i>a</i> Wheat. | 1 |
| <i>b</i> Oats. | 3 |
| 29. Willey, E. D., Clinton. | |
| <i>a</i> Wheat. | 1 |
| <i>b</i> Corn. | 2 |
| <i>c</i> Oats. | 3 |
| 30. Yeaton, J. H., Augusta. Oats. | 3 |

GROUP 3.

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| 31. Greely, C. H., Clinton. Honey. | 26 |
| 32. Hoyt, W., Ripley. Honey. | 26 |
| 33. Meader, O., Albion. Maple syrup. | 21 |
| 34. Norton, W. H., Skowhegan. Honey. | 26 |
| 35. Wheeler, C. J., Chesterville. Maple syrup. | 21 |

GROUP 4.

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| 36. Edgcomb, S. P., Belfast. Turnips. | 30 |
| 37. Edgerly, E. E., Princeton. Carrots. | 30 |
| 38. Jerrard, Geo. W. P., Caribou. Potatoes. | 28 |
| 39. King, S. M., South Paris. Beets. | 29 |
| 40. McFadden, Orrin, Cedar Grove. Carrots. | 30 |
| 41. Pinkham, N. C., Bolster's Mills. | |
| <i>a</i> Beets. | 29 |
| <i>b</i> Turnips. | 30 |
| 42. Snell, H. H., Riverside. Carrots. | 30 |
| 43. Spaulding, G. W., North Anson. Carrots. | 30 |

DEPARTMENT A.—AGRICULTURE.

44. Taylor, J. H., Kennebunk
a Beets. 29
b Turnips and carrots. 30
45. Tucker, Herbert M., South Paris.
a Beets. 29
b Turnips. 30
46. White, H. P., Swanville. Turnips. 30
47. Willey, E. D., Clinton. Turnips and carrots. 30

GROUP 5.

48. Allen, Carter, Hampden Centre.
 Beans. 32
49. Edgerly, E. E., Princeton. Beans. 32
50. Fernald, Eliot, Saco. Beans. 32
51. French, Moses, & Son, Solon. Beans. 32
52. Johnson, D. B., Freedom. Beans. 32
53. King, S. M., South Paris. Beans. 32
54. Luce, W. A., So. Union. Beans. 32
55. Norcross, M. F., Winthrop. Beans. 32
56. Plummer, James, South Dover. Beans. 32
57. Smart, Jesse, North Troy. Pease. 32
58. Snell, H. H., Riverside. Pease and beans. 32
59. Spalding, G. W., North Anson. Pease. 32
60. Taylor, J. H. Pease. 32
61. Tucker, Herbert M., South Paris.
 Pease. 32
62. Upton, N. H., Bethel. Pease. 32
63. Watson, S. C., Oakland. Beans. 32
64. Willey, E. D., Clinton. Pease. 32
65. Woodbury, C. H., Exeter Mills.
 Beans. 32

GROUP 7.

66. Brook Farm Creamery, Foxcroft. Butter. 42
67. Cape Elizabeth Creamery, Cape Elizabeth. 42
68. Creamery Butter Company, West Paris. Butter. 42
69. East Pittston Creamery, Pittston. Butter. 42
70. Haines, A. L., Fort Fairfield. Cheese. 43
71. Livermore Dairying Association, Livermore. Butter. 42
72. Meader, O., Albion. Butter. 42
73. Norcross, M. F., Winthrop. Cheese. 43
74. Perley, C. J., Cross Hill. Butter. 42
75. Porter, Ira J., Houlton. Butter. 42
76. Riverside Creamery, Foxcroft. Butter. 42
77. Robbins, Mrs. M. L., Winthrop. Butter. 42
78. Russell, A. P., North Turner Bridge. Butter. 42
79. Skowhegan Jersey Creamery, Skowhegan. Butter. 42
80. Turner Centre Creamery, Turner. Butter. 42

GROUP 9.

81. Bretman, J. O., Readfield. Wool. 60
82. Day, Prentiss, Kennebunk. Wool. 60
83. Deane, C. H., Livermore Falls. Wool. 60
84. Flint, Geo., North Anson. Wool. 60
85. Longley, J. B., Palmyra. Wool. 60
86. Plummer, James, South Dover. Wool. 60
87. Porter, S. W., Houlton. Wool. 60

MASSACHUSETTS.

GROUP 1.

1. Allen, J. W., Amherst. Corn. 2
2. Averill, Geo. L., North Andover. Corn. 2
3. Bancroft, Wm. L., Chesterfield. Corn. 2
4. Barlow, Henry, & Sons, Peru. Wheat. 1
5. Bates, Edwin, Lynn. Corn. 2
6. Benton, John B., Barre. Corn. 2
7. Berry, Albert, North Andover. Corn. 2
8. Bigelow, J. R. & D. F., Petershane.
a Corn. 2
b Oats. 3
9. Birnie, Chas. A., Longmeadow. Corn. 2
10. Boutwell, Wm. L., Leverett. Corn. 2
11. Bradford, Ralph H., South Egremont.
 Buckwheat. 7
12. Buell, C. L., Ludlow. Corn. 2
13. Busby, Leon M., Monterey. Corn. 2
14. Carpenter, G. H., South Hadley.
 Grasses. 8
15. Cowles, Oliver, Amherst. Corn. 2
16. Crabtree, Sumner, Natick. Corn. 2
17. Cutting, Walter, Pittsfield.
a Corn. 2
b Oats. 3
c Buckwheat. 7
d Grasses. 8
18. Deming, Amos, Savoy.
a Corn. 2
b Oats. 3
c Barley. 4
d Grass. 8
19. De Wolf, Geo. H., Mendon. Corn. 2
20. Dickinson, F. M. & Son, Belcher-town. Corn. 2
21. Dillon, J. C., Amherst. Corn. 2
22. Dodge, Wm. H., Cheshire. Corn. 2
23. Fairbanks, Chas. W., Charemont
 Corn. 2
24. Fisher, E. N., Ludlow. Corn. 2
25. Flanders, Albert J., Chilmark. Corn. 2
26. Frissell, D. & Sons., Peru.
a Wheat. 1
b Oats. 3
c Barley. 4
d Buckwheat. 7
27. Frissell, Homer, Peru. Oats. 3
28. Frissell, John, Peru. Barley. 4
29. Frissell, John Z., Peru. Oats. 3
30. Goddard, Mrs. M. T., Newton. Corn. 2
31. Gulliver, J. F., Andover. Corn. 2
32. Hayward, Monroe, Agawam. Corn. 2
33. Holcomb, Geo. W., Chester. Oats. 3
34. Judd, C. A., South Hadley. Corn. 2
35. Kellogg, Frank N., Sheffield. Rye. 5

MINNESOTA.

GROUP 1.

1.	Alrich, J. F., Worthington. Wheat.	1
2.	Anderson, Louis, Norcross. Wheat.	1
3.	Arnold, Adam, Mankato. Corn.	2
4.	Bass, J. J., Rosetown. Corn.	2
5.	Bender, John, Chaska. Corn.	2
6.	Boynton, L. J., Red Wing. Wheat.	1
7.	Bredold, L. L., Springfield. Corn.	2
8.	Brian, J. H., Burnside.	
	<i>a</i> Wheat.	1
	<i>b</i> Barley.	4
9.	Brian, T. J., Red Wing.	
	<i>a</i> Wheat.	1
	<i>b</i> Barley.	4
	<i>c</i> Rye.	5
10.	Brules, N., Mankato. Oats.	3
11.	Buffrem, J. W., Owatonna. Wheat.	1
12.	Chambers, Willis, Havana.	
	<i>a</i> Wheat.	1
	<i>b</i> Oats.	3
	<i>c</i> Barley.	4
	<i>d</i> Clover seed.	9
13.	Crandall, J. C., Red Wing.	
	<i>a</i> Wheat.	1
	<i>b</i> Corn.	2
14.	Dalton, Chas. H., Wrightstown.	
	Corn.	2
15.	Dick, Francis, Afton.	
	<i>a</i> Wheat.	1
	<i>b</i> Corn.	2
	<i>c</i> Oats.	3
	<i>d</i> Barley.	4
	<i>e</i> Rye.	5
16.	Hanson, Peter E., Litchfield.	
	<i>a</i> Wheat.	1
	<i>b</i> Barley.	4
17.	Harris, J. A., Owatonna.	
	<i>a</i> Barley.	4
	<i>b</i> Hay seed.	8
18.	Hoard, E. H., Red Wing. Wheat.	1
19.	Johnson, John C., Ellsborough.	
	Corn.	2
20.	Kilen, A. R., Brownsburg.	
	<i>a</i> Wheat.	1
	<i>b</i> Corn.	2
21.	Kinchebecker, W. R., Owatonna.	
	Rye.	5
22.	Larson, Emil, Sabin. Corn.	2
23.	Loveil, F. R., Vernon Centre. Corn.	2
24.	Muckenhirn, John, Delano. Corn.	2
25.	Nash, P. F., Nashua. Wheat.	1
26.	Nin, P. O., Porter. Corn.	2
27.	Pearce, M., Chouen. Corn.	2
28.	Perkins, Hartson E., Red Wing.	
	Oats.	3
29.	Peterson, August, Red Wing.	
	<i>a</i> Wheat.	1
	<i>b</i> Corn.	2
	<i>c</i> Barley.	4
30.	Poe, W. E., Stanton.	
	<i>a</i> Wheat.	1
	<i>b</i> Corn.	2
31.	Purdy, David, Red Wing. Corn.	2
32.	Quinn, Andrew, Litchfield. Wheat.	1
33.	Reuhter, Wm., Red Wing. Rye.	5
34.	Richardson, Charles, Featherstone.	
	Wheat.	1
35.	Savselle, Charles, Olivia. Corn.	2
36.	Schwamm, John, Rose Creek. Corn.	2
37.	Smith, W. H., Farmington. Corn.	2
38.	Tomblor, L. O., Wyoming. Corn.	2
39.	West, James I., Leaf Valley.	
	<i>a</i> Wheat.	1
	<i>b</i> Corn.	2
	<i>c</i> Barley.	4
	<i>d</i> Millet.	8
40.	Wilkenson, George, Baloton. Corn.	2
41.	Zeneigo, Anton, Hay Creek. Wheat.	1
42.	Engberg, Peter S., Richwood.	
	Wheat.	1
GROUP 4.		
43.	Bass, J. J., Rosetown.	
	<i>a</i> Potatoes.	28
	<i>b</i> Onions.	30
44.	Best, W. S., St. Paul. Potatoes.	28
45.	Pearce, M., Chouen. Potatoes.	28
GROUP 5.		
46.	Burtzlaff, Paul, Stillwater. Beans.	32
47.	Chambers, Willis, Havana. Beans.	32
48.	Fisher, A., Owatonna. Beans.	32
GROUP 9.		
49.	Holmes, Mrs. V. C., Owatonna. Flax	
	seed.	59
50.	Kilen, A. R., Brownsburg. Flax.	59
51.	Oliver, M. H., Winnebago. Flax.	59

MISSOURI.

GROUP 1.

1.	Adams, John, Warrensburg. Wheat.	1
2.	Agricultural College of Missouri.	
	<i>a</i> Wheat.	1
	<i>b</i> Corn.	2
	<i>c</i> Grasses.	8
	<i>d</i> Forage plants.	9
3.	Allen, Wm., Callaway. Wheat.	1
4.	Alliot, Louis, Platte City. Hay.	8
5.	Alrich, John, Maxville. Corn.	2
6.	Anchor Ranch, Farmington. Wheat.	1
7.	Aron & Thurmond, Fulton. Wheat.	1
8.	Baker, Chas. L., Sikeston. Wheat.	1
9.	Baker, Jos., Sikeston. Wheat.	1
10.	Beckwith, Thos., Charleston. Wheat.	
		1
11.	Bellamy, Jas., Fulton.	
	<i>a</i> Oats.	3
	<i>b</i> Hay.	8

UNITED STATES.

12.	Blank, Peter, Jefferson.	Wheat.	1
13.	Bloomberg, Louis, Jackson.		
	<i>a</i>	Wheat.	1
	<i>b</i>	Grass.	8
14.	Bluhm, Chas., Holden.	Wheat.	1
15.	Boles, Chas., Warrensburg.	Wheat.	1
16.	Bouche, Wm., St. Louis.	Grasses.	8
17.	Bowles, Jos., Fenton.	Grass.	8
18.	Boyd, L. C., Callaway.	Wheat.	1
19.	Brady, Thos., Schell City.	Corn.	2
20.	Brown, F. C., Schell City.	Corn.	2
21.	Brush, B. F., Independence.	Grass.	8
22.	Bundschutz, Josephine, Fenton.		
	<i>a</i>	Rye.	5
	<i>b</i>	Clover.	9
23.	Byers, C. F., Callaway.	Wheat.	1
24.	Canaves, S. A., Lutesville.		
	<i>a</i>	Oats.	3
	<i>b</i>	Hay.	8
25.	Carpenter, H. M., Schell City.	Hay.	8
26.	Charleton, Wm., Independence.	Corn.	2
27.	Clark, J. F., Richmond.	Wheat.	1
28.	Clark, Jos., Platte City.	Corn.	2
29.	Clarkson, Chas., Charleston.	Wheat.	1
30.	Cochrell, Thos. G., Platte City.	Millet.	8
31.	Coffey, E. McD., Platte City.	Corn.	2
32.	Conrad, Jacob J., Marble Hill.		
	<i>a</i>	Wheat.	1
	<i>b</i>	Oats.	3
	<i>c</i>	Grass.	8
33.	Cornthwaith, A., Richmond.		
	<i>a</i>	Wheat.	1
	<i>b</i>	Grass.	8
34.	Dawson, John, Johnson.	Wheat.	1
35.	Deal Bros., Charleston.	Wheat.	1
36.	Dehner, John, Canton.	Wheat.	1
37.	Dennis, John, Fenton.	Rye.	5
38.	Duck, O., Schell City.	Oats.	3
39.	Dunkan, Mrs. Henry, Carsonville.		
	<i>a</i>	Wheat.	1
	<i>b</i>	Grass.	8
40.	Dye, Chas., Platte City.	Grass.	8
41.	Emerson, Robt. E., Oregon.	Wheat.	1
42.	Erwin, J. S., Kirksville.	Teosinte.	8
43.	Faris, H. P., Clinton.	Hay.	8
44.	Farner, Harrison G., Platte City.	Corn.	2
45.	Farner, H. D., Platte City.	Blue-grass.	8
46.	Fennelly, Thomas, Normandy.	Corn.	2
47.	Festch, Jacob, St. Charles.	Wheat.	1
48.	Fleshman, Wm., Platte City.	Oats.	3
49.	Folk, Geo., Richmond.		
	<i>a</i>	Wheat.	1
	<i>b</i>	Rye.	5
	<i>c</i>	Clover.	9
50.	Geiger, Lorens, Carsonville.		
	<i>a</i>	Barley.	4
	<i>b</i>	Rye.	5
51.	Gentry, N. H., Sedalia.		
	<i>a</i>	Grass.	8
	<i>b</i>	Clover.	9
52.	Goodnight, Asbury, Sedalia.	Hay.	8
53.	Goodwin, Edwin, Warrensburg.		
	<i>a</i>	Wheat.	1
54.	Greer, M., Tarkio.	Wheat.	1
55.	Gretemier, Steven, Bridgetown.		
	<i>a</i>	Wheat.	1
	<i>b</i>	Grass.	8
56.	Guignon, E. S., Normandy.		
	<i>a</i>	Wild rye.	5
	<i>b</i>	Grasses.	8
	<i>c</i>	Clover.	9
57.	Hale, Jas. S., Oran.	Wheat.	1
58.	Hammond, J. C., Platte City.	Corn.	2
59.	Hammond, Mrs. T. C., Platte City.		
	<i>a</i>	Oats.	3
	<i>b</i>	Corn.	2
60.	Hancock, Wm. I., Platte City.	Corn.	2
61.	Harbaugh, Wm., Liberty.	Millet.	8
62.	Harris, J. C., Charleston.	Wheat.	1
63.	Harris & Schiffer, Fulton.	Wheat.	1
64.	Hass, Wm., Cedar City.	Wheat.	1
65.	Henry, L. P., St. Charles.	Wheat.	1
66.	Herndon, Jos., Platte City.	Hay.	8
67.	Hern, Mrs. M. J., Carsonville.	Rye.	5
68.	Hibbard, D. M., Canton.	Wheat.	1
69.	Hillix, Alfred, Independence.	Millet.	9
70.	Hinkle, T. F., Oran.	Wheat.	1
71.	Hodges, C. B., Platte City.	Wheat.	1
72.	Hodges, R. T., Platte City.	Wheat.	1
73.	Horne, Jesse J., Marble Hill.	Grass.	8
74.	Howard, Hiram, Marshall.	Corn.	2
75.	Howard, J. H., Fulton.	Hay.	8
76.	Huffman, Phillip, Schell City.	Oats.	3
77.	Jack, Jno. Wm., Platte City.		
	<i>a</i>	Wheat.	1
	<i>b</i>	Hay.	8
78.	James, Thos., Palmyra.	Oats.	3
79.	Jones, T. L. P., Platte City.	Grass.	8
80.	Kayger, Miss Agnes, Fulton.	Oats.	3
81.	Kell, D. W., Richmond.	Wheat.	1
82.	Kennedy, M., Palmyra.	Oats.	3
83.	Kennedy, Sam, Richmond.	Wheat.	1
84.	Kimball & Thomas, Platte City.	Hay.	8
85.	Kimbrough, Wm., Richmond.	Wheat.	1
86.	Kline Bros., Platte City.	Wheat.	1
87.	Lease, Samuel, Fulton.		
	<i>a</i>	Wheat.	1
	<i>b</i>	Hay.	8
88.	Leggeth, J. B., Palmyra.		
	<i>a</i>	Grass.	8
	<i>b</i>	Clover.	9
89.	Lentz, Theo., Platte City.	Wheat.	1
90.	Lewis, John, Platte City.	Millet.	8
91.	Lewis, Robt., Platte City.	Oats.	3
92.	Lovelady, A. J., Platte City.	Wheat.	1
93.	Majors, Thomas, Oran.	Wheat.	1
94.	Masters, Andrew, Marble Hill.		
	<i>a</i>	Wheat.	1
	<i>b</i>	Corn.	2
95.	Maus, Jacob, Schell City.	Corn.	2
96.	Maus, L. R., New London.	Clover.	9
97.	Mayfield, L., Callaway.	Wheat.	1
98.	McCracken & Hunter, Fulton.	Hay.	8
99.	McMonigle, Wm. H., Platte City.		
	<i>a</i>	Hay.	8
	<i>b</i>	Grasses.	8
100.	Michel, E., St. Louis.	Grasses.	8
101.	Miller, Charles, St. Louis.	Corn.	2
102.	Montgomery, Wm., Platte City.		
	<i>a</i>	Corn.	2
	<i>b</i>	Wheat.	1
103.	Moran, Thos., Platte City.	Wheat.	1
104.	Morehouse, S. F., Canton.	Wheat.	1
105.	Morton, T. J., Lewis.	Wheat.	1
106.	Mosher, Mrs. L. V., Lewis.	Wheat.	1
107.	Murdock, Jos., Platte City.	Hay.	8
108.	Murray, N. F., Oregon.	Grass.	8
109.	Myers, Matthew, Oran.	Wheat.	1
110.	Norton, Wm. R., Schell City.	Corn.	2

MONTANA.

GROUP 1.

1. Alford, W. H., Stevensville. Wheat.	1	33. Clausen, Thomas, Fish Creek. Wheat.	1
2. Allard, Wm. L., Laurel. Oats.	3	34. Clemont, M., Frenchtown. Wheat.	1
3. Amsden, D., Laurine. Oats.	3	35. Cline, V. E., Bozeman.	
4. Anderson, August, Fish Creek.		<i>a</i> Wheat.	1
Wheat.	1	<i>b</i> Oats.	3
5. Austin, A. A., Missoula. Oats.	3	<i>c</i> Barley.	4
6. Babcock, L. F., Billings. Oats.	3	<i>d</i> Hay.	8
7. Bailly & O'Donnell, Billings.		36. Cobb, Jno. M., Stevensville.	
<i>a</i> Wheat.	1	<i>a</i> Wheat.	1
<i>b</i> Oats.	3	<i>b</i> Oats.	3
<i>c</i> Blue joint and timothy hay.	8	<i>c</i> Barley.	4
<i>d</i> Alfalfa.	9	37. Collins, C. C., Hillsdale. Wheat.	1
8. Baker, Thos. W., Stevensville.		38. Connor, J. P., Smith River. Oats.	3
<i>a</i> Oats.	3	39. Corwin, W. S., Philbrook. Wheat.	1
<i>b</i> Timothy hay.	8	40. Cramer Bros., Laurel. Oats.	3
<i>c</i> Red clover.	9	41. Crawford Bros., Shawmut.	
9. Ballard, Geo., Townsend. Oats.	3	<i>a</i> Oats.	3
10. Baltasor, Julius, Mountain Side. Blue		<i>b</i> Barley.	4
joint and bunch grass.	8	<i>c</i> Blue stem grass.	8
11. Banford, Jacob T., Laurel. Oats.	3	<i>d</i> Alfalfa.	9
12. Barkell, James, Twin Bridges. Oats.	3	42. Cree, A. M., Miles City. Corn.	2
13. Bealingburg, N., Race Track.		43. Cunningham, Hy., Monarch. Oats.	3
<i>a</i> Wheat.	1	44. Cyr, Eloi, Grass Valley. Oats.	3
<i>b</i> Timothy hay.	8	45. Cyr, J. E., Grass Valley. Oats.	3
14. Beall, John, Fish Creek. Wheat.	1	46. Daly, Marcus, Hamilton. Oats.	3
15. Birely, Wm., Billings. Wheat.	1	47. Danforth, Ezra, Missoula. Oats.	3
16. Bisel, Ben, Bozeman.		48. Danis, Henry, Billgrade. Barley.	4
<i>a</i> Oats.	3	49. Davis, L. M., Lo Lo. Wheat.	1
<i>b</i> Timothy hay.	8	50. Daws, J. S. & J. W., Salesville. Bar-	
17. Bode, Wm., Laurel. Buckwheat.	7	ley.	4
18. Bouchard, Alf., Careless Creek.		51. Dean, George, Townsend. Alfalfa.	9
<i>a</i> Oats.	3	52. DeLong, Alex., Missoula. Corn.	2
<i>b</i> Barley.	4	53. Deschamps, Caspar, Grass Valley.	
19. Bozeman Milling Co., Gallatin Valley.		<i>a</i> Wheat.	1
Flour.	11	<i>b</i> Oats.	3
20. Brooing, John, Bozeman. Wheat.	1	<i>c</i> Rye.	5
21. Brooks, J. W., Sheridan.		<i>d</i> Timothy and red top hay.	8
<i>a</i> Wheat.	1	54. Deschamps, R., Grass Valley.	
<i>b</i> Oats.	3	<i>a</i> Wheat.	1
<i>c</i> Grasses.	8	<i>b</i> Oats.	3
22. Broomfield, Mrs. John, Bozeman.		55. Dukes, Mrs. Ed., Missoula.	
<i>a</i> Wheat.	1	<i>a</i> Wheat.	1
<i>b</i> Oats.	3	<i>b</i> Oats.	3
23. Bruckertt, A., White Sulphur Springs.		<i>c</i> Timothy hay.	8
Oats.	3	56. Eldred, C., Twin Bridges. Oats.	3
24. Buchanan, A. S., Stevensville.		57. Emil, Peter, Bozeman.	
<i>a</i> Wheat.	1	<i>a</i> Wheat.	1
<i>b</i> Oats.	3	<i>b</i> Oats.	3
25. Byard, John, White Sulphur Springs.		58. Federsohn, Peter, Missoula. Corn.	2
Timothy hay.	8	59. Ferguson, M. M., Bozeman. Barley.	4
26. Caldwell, Wm., Bozeman.		60. Ferguson, V. M., Bozeman. Wheat.	1
<i>a</i> Wheat.	1	61. Flanagan, Michael, Billings. Wheat.	1
<i>b</i> Oats.	3	62. Flanery Bros., Bozeman. Barley.	4
<i>c</i> Barley.	4	63. Fleming, T. J., Fort Logan. Bunch	
27. Carney, M., Sheridan. Oats.	3	grass hay.	8
28. Carney, P., Twin Bridges.		64. Foley, Thos., Missoula. Wheat.	1
<i>a</i> Wheat.	1	65. Foster, Frank, Fish Creek. Oats.	3
<i>b</i> Oats.	3	66. Foster, Z. D., Fish Creek. Oats.	3
29. Carwin, W. S., Philbrook. Oats.	3	67. Fostle, William, Sheridan. Grasses.	1
30. Catlin Bros., White Sulphur Springs.		68. Fowler, Samuel, Bozeman.	
Timothy hay.	8	<i>a</i> Oats.	3
31. Catlin, Geo., White Sulphur Springs.		<i>b</i> Barley.	4
Timothy hay.	8		
32. Chaffee, Chas. M., Billings. Oats.	3		

DEPARTMENT A.—AGRICULTURE.

69. Fruin, Thos., Stevensville.		104. Lavassune, Mrs. C., Missoula.	
<i>a</i> Wheat.	1	Wheat.	1
<i>b</i> Oats.	3	105. Lee, Daniel, Bozeman. Wheat.	1
<i>c</i> Red top, blue joint and timothy hay.	8	106. Longman, S. E., Bozeman. Oats.	3
	8	107. Long, Samuel E., Bozeman.	
70. Gibson, M., Maiden. Wheat.	1	<i>a</i> Wheat.	1
71. Gibson, Paris, Great Falls. Wheat.	1	<i>b</i> Barley.	4
72. Gorman, M., Maiden.		108. Lott, Bros., Twin Bridges.	
<i>a</i> Wheat.	1	<i>a</i> Oats.	3
<i>b</i> Oats.	3	<i>b</i> Grasses.	8
<i>c</i> Alfalfa.	9	109. Lovell, Phillip, Beaver Head. Oats.	3
73. Goetchous, Abe, Sheridan. Oats.	3	110. Manhattan Malting Co., Manhattan.	
74. Gunton, Mathew, Careless Creek.		Barley.	4
Oats.	3	111. Mardes, James, Bozeman. Oats.	3
75. Hackie, D., Victor.		112. Marks, J. R., Townsend. Oats.	3
<i>a</i> Wheat.	1	113. Marseau, Z., Frenchtown. Wheat.	3
<i>b</i> Oats.	3	114. Massing, Ed., Careless Creek.	
<i>c</i> Timothy seed.	8	<i>a</i> Oats.	3
<i>d</i> Clover.	9	<i>b</i> Timothy hay.	8
76. Hall, Lem., Twin Bridges.		115. Mathews, Scott, Bozeman. Oats.	3
<i>a</i> Wheat.	1	116. Maver, Chancy, Miles City. Oats.	3
<i>b</i> Oats.	3	117. McClain, T. A., Carleton.	
77. Harder, J. P., Bozeman. Barley.	4	<i>a</i> Wheat.	1
78. Harmison, William, Laurel. Corn.	2	<i>b</i> Oats.	3
79. Harrety, Robt., Fish Creek. Oats.	3	<i>c</i> Timothy hay.	8
80. Harry, J. T., White Sulphur Springs.		118. McDonald, John, Bozeman.	
<i>a</i> Oats.	3	<i>a</i> Wheat.	1
<i>b</i> Timothy hay and blue joint grass.	8	<i>b</i> Oats.	3
81. Hedges, W. A., Careless Creek. Blue stem grass.	8	119. McKinzie, George E., Bozeman. Red top and timothy hay.	8
82. Hickman, R. O., Sheridan. Oats.	3	120. Menefie, R. P., Bozeman. Oats.	3
83. Hobson, S. S., Philbrook. Alfalfa.	9	121. Millard, Hy., Belt. Corn.	2
84. Hoffman, C. W., Bozeman.		122. Miller, Luther, Stevensville. Wheat.	1
<i>a</i> Oats.	3	123. Mitchell, Sydney, Missoula. Wheat.	1
<i>b</i> Barley.	4	124. Moore, P. J., Martinsville. Blue joint grass.	8
85. Hogan, Philip, Missoula. Wheat.	1	125. Murray, Wm., Bilgrade. Wheat.	1
86. Hogan, P., Missoula.		126. Myers, Alfred, Shealds River.	
<i>a</i> Wheat.	1	<i>a</i> Wheat.	1
<i>b</i> Oats.	3	<i>b</i> Oats.	3
87. Holland, Andrew, White Sulphur Springs.		127. Myers, Wm., Salesville. Rye.	5
<i>a</i> Wheat.	1	128. Norton, George, Townsend. Barley.	4
<i>b</i> Timothy hay.	8	129. Nutting, Lucius A., Laurel. Alfalfa.	9
88. Holmes, Charles, Bozeman.		130. Storey, Nelson & Co., Gallatin Valley. Flour.	11
<i>a</i> Oats.	3	131. O'Brien Bros., Bozeman. Wheat.	1
<i>b</i> Barley.	4	132. O'Donnell, Ed., Billings.	
89. Hopple, Samuel J., Billings.		<i>a</i> Corn.	2
<i>a</i> Wheat.	1	<i>b</i> Oats.	3
<i>b</i> Buckwheat.	7	133. O'Keefe, D. C., Missoula.	
90. Hoy, Chas., Bozeman. Barley.	4	<i>a</i> Wheat.	1
91. Huffine, J. D., Bozeman.		<i>b</i> Oats.	3
<i>a</i> Oats.	3	134. Omarr, John, White Sulphur Springs.	
<i>b</i> Timothy and red top hay.	8	Native grass hay.	8
92. Huffman, Mart., Bozeman. Wheat.	1	135. Owsley, Wm., Sheridan. Oats.	3
93. Jordan, W. B., Miles City. Oats.	3	136. Paige, R. W., Twin Bridges.	
94. Jordan, W. D., Miles City. Wheat.	1	Grasses.	8
95. Kellett, Francis, Billings. Corn.	2	137. Parker, W. P., Billings. Oats.	3
96. Kelly, Wm., Missoula. Wheat.	1	138. Patterson, J. L., Canton.	
97. Kennedy, Wm., Missoula.		<i>a</i> Wheat.	1
<i>a</i> Wheat.	1	<i>b</i> Barley.	4
<i>b</i> Oats.	3	139. Paulin, Isaac, Frenchtown.	
98. Kercher, Michael, Miles City.		<i>a</i> Wheat.	1
<i>a</i> Corn.	2	<i>b</i> Oats.	3
<i>b</i> Alfalfa.	9	140. Pease, D. A., Twin Bridges.	
99. Koch, John, Bozeman. Oats.	3	<i>a</i> Oats.	3
100. Kramer, Martin, Bearmouth. Timothy hay.	8	<i>b</i> Flour.	11
101. Kramer, Martin, Bonita. Oats.	3	141. Pickering, J. G., Canton. Barley.	4
102. Lancy & Kirkenhall, Three Forks. Oats.	3	142. Pickering, J. J., Canton. Wheat.	1
103. Latimer, J. R., Grass Valley.		143. Rader, C. T., Fort Logan. Red top and blue joint grass.	8
<i>a</i> Wheat.	1	144. Ray, Emby, Bozeman. Oats.	3
<i>b</i> Timothy hay.	8		

UNITED STATES.

145. Reed, W. H., Carleton.		176. Weaver, Chancy, Miles City.	
<i>a</i> Wheat.	1	<i>a</i> Wheat.	1
<i>b</i> Oats.	3	<i>b</i> Corn.	2
<i>c</i> Millet.	8	<i>c</i> Oats.	3
146. Reeves, George P., Townsend. Blue joint grass and timothy hay.	8	177. Weinbour, Frank, Bozeman. Wheat.	1
147. Reeves, J. G., Bozeman. Wheat.	1	178. Welch, Wm., Bozeman.	
148. Riggan, F. A., Fish Creek. Wheat.	1	<i>a</i> Wheat.	1
149. Rose, Charles, Frenchtown.		<i>b</i> Oats.	3
Wheat.	1	179. West, D. H., Townsend. Oats.	3
150. Roso, Ed., Careless Creek.		180. White, Alex., Missoula.	
<i>a</i> Wheat.	1	<i>a</i> Wheat.	1
<i>b</i> Oats.	3	<i>b</i> Oats.	3
151. Roso, John, Careless Creek. Timothy hay.	8	181. White, George H., Missoula.	
152. Roy, Mrs. Emily, Bozeman. Wheat.	1	<i>a</i> Wheat.	1
153. Sales, Charles, Salesville.		<i>b</i> Oats.	3
<i>a</i> Wheat.	1	<i>c</i> Rye.	5
<i>b</i> Barley.	4	182. White, G. H., Missoula. Oats.	3
154. Shaffer, Peter, Frenchtown. Oats.	3	183. Whitesides, Andrew, Bonita. Oats.	3
155. Shaughnessy, John B., Missoula.		184. Wickham, George, Fish Creek.	
Oats.	3	<i>a</i> Sweet corn.	2
156. Sherman, Charles, White Sulphur Springs. Timothy hay.	8	<i>b</i> Oats.	3
157. Sidensticker, John, Twin Bridges.		185. Winters, Chas., Missoula. Oats.	3
Oats.	3	186. Vantine, H., Bozeman. Wheat.	1
158. Simpson, James W., Stevensville.		187. Wyhn, John, Bozeman. Wheat.	1
Oats.	3	188. Wyrock, J., Twin Bridges. Barley.	4
159. Smith Bros., Martinsdale. Oats.	3	GROUP 4.	
160. Smith, M., Maiden. Wheat.	1	189. Burns, T. C., Chinook. Potatoes.	28
161. Spooner, Jos., Stevensville. Wheat.	1	190. Ester, Sim, Beaver Head. Potatoes.	28
162. Spurgin, Wm., Missoula.		191. King, Charles, Park City. Potatoes.	28
<i>a</i> Wheat.	1	192. Mugford, John, Townsend. Potatoes.	28
<i>b</i> Oats.	3	193. Rife, Ike, Beaver Head. Potatoes.	28
<i>c</i> Rye.	5	194. Sanford, Jacob T., Laurel. Potatoes.	28
<i>d</i> Timothy hay.	8	195. Sutherlin Bros., White Sulphur Springs. Potatoes.	28
163. Stafford, J. T., Cañon Ferry. Corn.	2	196. Tiererney, W. E., & Co., Townsend. Potatoes.	28
164. Stoltz, Frank J., Park City. Oats.	3	GROUP 5.	
165. Stone, R. H., Red Bluffs. Rye.	5	197. Haynes, E. E., Miles City. Vegetables.	32
166. Strong, Wm., Miles City. Corn.	2	198. Tichorn, Jos., Miles City. Vegetables.	32
167. Stuart, A., Townsend. Blue joint grass.	8	199. Tinsley, J. W., Canton. Tomatoes.	32
168. Sutherlin Bros., White Sulphur Springs. Barley.	4	GROUP 9.	
169. Thomas Bros., Sheridan.		200. Sidensticker, John, Twin Bridges. Flax.	59
<i>a</i> Oats.	3	GROUP 17.	
<i>b</i> Grasses.	8	201. Hedges, W. A., Careless Creek. Soil.	93
170. Thompson, Thomas, Townsend.			
Oats.	3		
171. Tinsley, J. W., Canton. Popcorn.	2		
172. Titman, J., Fosston. Oats.	3		
173. Warner, M., Maiden. Wheat.	1		
174. Waterman, C. H., Bozeman. Oats.	3		
175. Wearwood, Wm., Courts. Wheat.	1		

NEW HAMPSHIRE.

GROUP 1.

1. Abbott, S. R., Wilton. Rye.	5	6. Batchelder, R. N. S., Northfield.	
2. Abbott, Stanley H., East Wilton. Corn.	2	<i>a</i> Wheat.	1
3. Ayers, A. R., North Boscawen. Rye.	5	<i>b</i> Barley.	4
4. Bacon, E. A., Warner. Corn.	2	<i>c</i> Rye.	5
5. Barret Bros., Newport. Corn.	2	<i>d</i> Timothy.	8
		7. Bean, Walter M., Sanbornton. Corn.	2
		8. Benton, William P., Letanon. Corn.	2

UNITED STATES.

102. Pulsifer, Thomas S., Campton. Maple sugar and syrup.	21
103. Quimby, Alfred, Sandwich. Maple sugar and syrup.	21
104. Quimby, H. H., Sandwich. Maple sugar and syrup.	21
105. Quimby, John S., Sandwich. Maple sugar and syrup.	21
106. Quimby, Wm. F., Sandwich. Maple sugar and syrup.	21
107. Remick, Francis P., Samworth. Maple sugar and syrup.	21
108. Smart, C. C., Rumney. Maple sugar and syrup.	21
109. Smith, David, Freedom. Maple sugar and syrup.	21
110. Smith, Geo. H., Sandwich. Maple sugar and syrup.	21
111. Smith, Henry C., Holderness. Maple sugar and syrup.	21
112. Smith, Samuel B., Sandwich. Maple sugar and syrup.	21
113. Stickney, Wm. H., Campton. Maple sugar and syrup.	21

GROUP 5.

114. Bedell, C. W., Littleton. Pease.	32
115. Daniels, E. C., Plainfield. Pease.	32
116. Dickey, George P., South Acworth. Field beans.	32
117. Dunbar, L. D., Enfield. Field beans.	32
118. Foss, O. C., Plymouth. Field beans.	32

119. Meader, F. K., Rochester. Pease.	32
120. McDaniel, Charles, Springfield. Field beans.	32
121. McDuffee, J. A., Rochester. Field beans.	32
122. Miller, G. A., Lebanon. Field beans.	32
123. Perkins, Dexter J., Danbury. Field beans.	32
124. Perry, William H., Newport. Field beans.	32
125. Pulsifer, T. S., Campton. Pease.	32
126. Sanborn, Fred O., Pittsfield. Field beans.	32
127. Shaker Society, Enfield. Field beans.	32
128. Shaw, Ellen M., Northfield. Field beans.	32

GROUP 8.

129. Day, H. H., Hinsdale. Leaf tobacco.	48
130. Dix, Mrs. C., Hinsdale. Leaf tobacco.	48
131. Hooker, G. P., Hinsdale. Leaf tobacco.	48
132. Pike, W. N., Hinsdale. Leaf tobacco.	48
133. Slate, G. P., Hinsdale. Leaf tobacco.	48
134. Stearn, D. W., Hinsdale. Leaf tobacco.	48

NEW YORK.

GROUP 1.

1. Acer, V. A., Shelby Center. Wheat.	1
2. Ackley, H. Clay, Hubbardville. Wheat.	1
3. Ainsburger, Taylor, Hopewell. Oats.	3
4. Aldrich, Charles H., Mattituck. a Corn.	2
b Oats.	3
5. Aldridge, A. G., Victor. a Wheat.	1
b Corn.	2
c Oats.	3
d Rye.	5
e Buckwheat.	7
6. Allen, Thomas, Chippewa Bay. Wheat.	1
7. Allis, Clark, Medina. Oats.	3
8. Amos, Benjamin, Millville. a Oats.	3
b Barley.	4
9. Andrews, John A., Knowlesville. Wheat.	1
10. Andrews, Joseph, Ithaca. Barley.	4
11. Andrews, William, Bristol. Barley.	4
12. Archer, G. W., Clifton Springs. Corn.	2
13. Ausley, Mark, Seneca Castle. Corn.	2
14. Austin, Ira, Lowville. Wheat.	1
15. Axtell, H. & F., Knowlesville. a Wheat.	1
b Corn.	2

16. Babcock & Burch, Brookville. Corn.	2
17. Bacon, T. A., Medina. Wheat.	1
18. Bagerly, B. W., Clifton Springs. a Wheat.	1
b Barley.	4
19. Baker, A. D., Aurelius. a Corn.	2
b Oats.	3
20. Baker, J. C., Aurelius. Wheat.	1
21. Baker, J. H., Aurelius. Barley.	4
22. Baldwin, L. M., Canandaigua. Wheat.	1
23. Balliet, N. F., McDougals. Wheat.	1
24. Barclay, Elmer, Lyons. Barley.	4
25. Barker, T. W., Clifton Springs. Wheat.	1
26. Barnes, William D., Middlehope. Corn.	2
27. Batchelor, Daniel, Utica. Grasses.	8
28. Bates, George, Cambria. Corn.	2
29. Beaver, Harry, Lyndonville. Wheat.	1
30. Beek, S., Lakeville. Oats.	3
31. Bellingier, J. C., Herkimer. Wheat.	1
32. Berryman, J. A., Geneva. a Corn.	2
b Oats.	3
33. Biglow, George, Belleville. Barley.	4
34. Black, W. F., Billsborough. a Wheat.	1
b Corn.	2
c Barley.	4

DEPARTMENT A.—AGRICULTURE.

35. Blanchard, Flint, Jamestown.		73. Connell, Frank, De Ruyter.	
<i>a</i> Wheat.	1	<i>a</i> Corn.	2
<i>b</i> Rye.	5	<i>b</i> Oats.	3
36. Blumenstock, John, Buel.		74. Cook, H. C., Dundee.	
<i>a</i> Corn.	2	<i>a</i> Wheat	1
<i>b</i> Rye.	5	<i>b</i> Corn.	2
37. Bonnell, George A., Waterloo.		<i>c</i> Oats.	3
<i>a</i> Corn.	2	<i>d</i> Buckwheat.	7
<i>b</i> Oats.	3	75. Coolidge, Charles, Phelps.	
38. Bonnell, H. S., Waterloo.		<i>a</i> Corn.	2
<i>a</i> Wheat.	1	<i>b</i> Oats	3
<i>b</i> Corn.	2	<i>c</i> Rye.	5
<i>c</i> Barley.	4	76. Coon, Alexander, Medina.	
<i>d</i> Buckwheat.	7	<i>a</i> Wheat.	1
39. Bowen, H. S., Newport. Corn.	2	<i>b</i> Corn.	2
40. Boyce, E. W., Schoharie. Wheat.	1	<i>c</i> Barley.	4
41. Bradley, J. D., Lyons. Barley.	4	77. Coon, U. G., Medina.	
42. Brewer, Edgar, Enfield Centre. Oats.	4	<i>a</i> Wheat.	1
	3	<i>b</i> Oats.	3
43. Briglin, Edward, Orleans. Corn.	2	<i>c</i> Barley.	4
44. Brown, John, Warsaw. Oats.	3	78. Coon, William, Penn Yan. Wheat.	1
45. Brumaghin, A., Fonda. Corn.	2	79. Corey, Amelia, West Fayette. Bar-	
46. Brundage, A. C., Bath. Wheat.	1	<i>ley</i> .	4
47. Bryan, George, Savona. Corn.	2	80. Cornish, Hiram, Newfield. Wheat.	1
48. Buchan, W. S., Hopewell Centre.		81. Corwin, O., Phelps. Oats.	3
<i>a</i> Corn.	2	82. Cossitt, David, Onondaga.	
<i>b</i> Oats.	3	<i>a</i> Wheat.	1
49. Budd, George, Enfield Falls.		<i>b</i> Barley.	4
<i>a</i> Corn.	2	83. Crosier, Adam, Stanley. Barley.	4
<i>b</i> Barley.	4	84. Cummings, Arthur, Cuylerville.	
50. Burch, J., Medina.		<i>a</i> Corn.	2
<i>a</i> Wheat.	1	<i>b</i> Oats.	3
<i>b</i> Oats.	3	85. Cummings, Peter, Schoharie. Corn.	2
<i>c</i> Barley.	4	86. Daniels, Avery A., Medina.	
51. Burroughs, Alden, Leon. Wheat.	1	<i>a</i> Oats.	3
52. Callman, John, Hopewell Centre.		<i>b</i> Barley.	4
Corn.	2	87. Davison, G. Howard, Millbrook. Corn.	2
53. Callum, John M., Caledonia. Corn.	2		2
54. Camenga, J. D., Enfield. Corn.	2	88. Davis, Robert O., Ballston. Wheat.	1
55. Cammett, S. H., Hopewell. Buck-		89. Decker, George W., Monticello. Corn.	
<i>wheat.</i>	7		2
56. Campbell, Cullen, Tallman. Oats.	3	90. Densmore, Thomas, Flint. Buckwheat.	7
57. Carpenter, C. E., Dundee. Corn.	2		3
58. Case, Seward W., Orleans.		91. DeRider, J. S., Charlton. Oats.	3
<i>a</i> Wheat.	1	92. Deual, Stephen T., Little Rest. Oats.	3
<i>b</i> Corn.	2	93. Deyo, Luther E., Clintondale. Corn.	2
<i>c</i> Oats.	3	94. Didama, J. E., Medina.	
59. Carman, John, Porterville. Oats.	3	<i>a</i> Wheat.	1
60. Chamberlain, George, Southport.		<i>b</i> Barley.	4
Corn.	2	95. Diefendorf, W. W., Fort Plain. Corn.	2
61. Chapin, Willard, Castile. Barley.	4		2
62. Chapman, B. F., Chapinville.		96. Donald, N., Horseheads. Grasses.	8
<i>a</i> Wheat.	1	97. Doody, J. C., Medina.	
<i>b</i> Oats.	3	<i>a</i> Wheat.	1
63. Childs, W. E., Seneca Castle.		<i>b</i> Barley.	4
<i>a</i> Oats.	3	98. Dorf, George, Elba. Oats.	3
<i>b</i> Barley.	4	99. Dorman, W., Billsborough. Corn.	2
64. Church, Perry, Millville.		100. Duncan, A., Owego.	
<i>a</i> Wheat.	1	<i>a</i> Rye.	5
<i>b</i> Oats.	3	<i>b</i> Buckwheat.	7
65. Clark, A. Mead, Bedford. Wheat.	1	101. Eastman, C. F., Woodville. Corn.	2
66. Clark, Daniel, Lyndonville. Corn.	2	102. Eldridge, A. J., Leon. Corn.	2
67. Clark, George S., Milton. Corn.	2	103. Eldridge, William B., Angelica. Corn.	2
68. Clark, John G., Bedford.			2
<i>a</i> Corn.	2	104. Elwell, W. G., Reeds Corners.	
<i>b</i> Oats.	3	Wheat.	1
69. Clark, V. W., West Bethany. Bar-		105. Espensheid, N., Sodus. Barley.	4
<i>ley.</i>	4	106. Ferguson, Edward, Orleans.	
70. Clark, W. P., Washingtonville.		<i>a</i> Corn.	2
<i>a</i> Corn.	2	<i>b</i> Barley.	4
<i>b</i> Oats.	3	107. Ferguson, Summer, Orleans. Corn.	2
71. Cochran, Peter, Medina. Barley.	4	108. Finnegan, T., Brookfield. Barley.	4
72. Collins, Cholett, Victor. Oats.	3	109. Fisher, Abel, Ithaca. Corn.	

UNITED STATES.

110. Fisher, Alexander, Ithaca. Corn.	2	145. Grinnell, A. D., East Shelby. Bar- ley.	4
111. Fisher, George, Hedy Creek. Rye.	5	146. Haight, Clark, Oak Summit. Bar- ley.	4
112. Fisher, John, Ridgeway. <i>a</i> Wheat.	1	147. Hall, P. A., Seneca Castle. Corn.	2
<i>b</i> Oats.	2	148. Ham, Henry, Lyndonville. <i>a</i> Wheat.	1
113. Fisher, R. J., Millers. Corn.	3	<i>b</i> Corn.	2
114. Fisher, W. H., Delhi. <i>a</i> Wheat.	1	149. Hamilton, William, Caledonia. <i>a</i> Wheat.	1
<i>b</i> Corn.	2	<i>b</i> Barley.	4
<i>c</i> Oats.	3	150. Hart, George, Spencerport. <i>a</i> Corn.	2
115. Fish, J. F., Waterloo. <i>a</i> Wheat.	1	<i>b</i> Oats.	3
<i>b</i> Oats.	3	151. Hartman, Warren, Kingsbury. Bar- ley.	5
Oats.	3	152. Hasbrouck, Hiram, Loyd. Rye.	4
117. Folts, W. P., Herkimer. Wheat.	1	153. Haslett, Edwin, Seneca Castle. <i>a</i> Oats.	3
118. Ford, S., Elba. Wheat.	1	<i>b</i> Barley.	4
119. Fosbinder, Charles, Medina. <i>a</i> Wheat.	1	154. Havens, John S., Patchogue. <i>a</i> Wheat.	1
<i>b</i> Oats.	3	<i>b</i> Corn.	2
120. Fox, David, Suffern. Wheat.	1	155. Haverling, George S., Bath. Corn.	2
121. Fox, William, Clifton Springs. <i>a</i> Wheat.	1	156. Haviland, Peram, Glens Falls. Corn.	2
<i>b</i> Corn.	2		
<i>c</i> Oats.	3	157. Haviland, W. J., Glens Falls. <i>a</i> Corn.	2
<i>d</i> Barley.	4	<i>b</i> Oats.	3
122. Fox, William F., Medina. <i>a</i> Wheat.	1	158. Havalind & Hull, Glens Falls. <i>a</i> Rye.	5
<i>b</i> Oats.	3	<i>b</i> Buckwheat.	7
123. Frear, Alexander, Ithaca. <i>a</i> Wheat.	1	159. Hawley, M. L., Lyndonville. <i>a</i> Wheat.	1
<i>b</i> Corn.	2	<i>b</i> Oats.	3
124. Frisbie, Osmond, Westport. Barley.	4	160. Heath, Eugene, Shortsville. Oats.	3
125. Fuller, George, Medina. Oats.	3	161. Henry, George, Chapinville. Corn.	2
126. Fuller, H. B., Lyndonville. Oats.	3	162. Hibbard, C. M., Sprout Brook. <i>a</i> Wheat.	1
127. Fuller, Myron, Medina. <i>a</i> Wheat.	1	<i>b</i> Corn.	2
<i>b</i> Oats.	3	<i>c</i> Oats.	3
<i>c</i> Barley.	4	163. Hill, A. L., Knowlesville. <i>a</i> Wheat.	1
128. Furguson, R. B., Orleans. Corn.	2	<i>b</i> Oats.	3
129. Galusha, George, Orleans. Corn.	2	<i>c</i> Barley.	4
130. Ganung, Jarvis, Ithaca. Wheat.	1	164. Hill, Edward S., Peruville. Buck- wheat.	7
131. Gage, Edwin L., De Ruyter. <i>a</i> Wheat.	1	165. Hill, Kate B., Medina. <i>a</i> Wheat.	1
<i>b</i> Oats.	3	<i>b</i> Oats.	3
132. Gardner, J., Lyons. Wheat.	1	<i>c</i> Barley.	4
133. Gillett, Willis A., Medina. Barley.	4	166. Hill, S. S., & Son, Knowlesville. <i>a</i> Wheat.	1
134. Gotts, Albert G., Medina. <i>a</i> Wheat.	1	<i>b</i> Oats.	3
<i>b</i> Oats.	3	<i>c</i> Barley.	4
<i>c</i> Barley.	4	167. Hisart, John, Mohawk. Corn.	2
135. Grant, Allen, Danby. <i>a</i> Oats.	3	168. Hisert, George, Mohawk. Corn.	2
<i>b</i> Buckwheat.	7	169. Hoag, J. E., Easton. Corn.	2
136. Gray, Fred., Jeddo. <i>a</i> Wheat.	1	170. Hocroft, M. R., Hopeville. <i>a</i> Wheat.	1
<i>b</i> Oats.	3	<i>b</i> Corn.	2
137. Gray, George, Millville. <i>a</i> Wheat.	1	171. Hogan, Clarence, Waterloo. <i>a</i> Wheat.	1
<i>b</i> Barley.	4	<i>b</i> Oats.	3
138. Gray, James H., Lima. Wheat.	1	172. Holland, James, Seneca Castle. Corn.	2
139. Green, William, Mt. Kisco. Corn.	2	173. Hopkins, F. B., Bath. Corn.	2
140. Gregory, C. P., Geneva. <i>a</i> Wheat.	1	174. Hopkins, F. E., Millville. <i>a</i> Wheat.	1
<i>b</i> Corn.	2	<i>b</i> Barley.	4
<i>c</i> Oats.	3	175. Hopkins, George, Ithaca. Corn.	2
<i>d</i> Barley.	4	176. Horn, Henry, Lyons. Wheat.	1
141. Griffin, Edward, Owego. Corn.	2	177. Horning, A., Phelps. Wheat.	1
142. Griffin, J. M., Adamsville. Buck- wheat.	7		
143. Griffin, W. F., Broadalbin. Oats.	3		
144. Griffith, B. F., Wyoming. Wheat.	1		

DEPARTMENT A.—AGRICULTURE.

178. Howard, William A., Albion. Bar- ley.	4	209. Leonard, Charles, Shelby Centre. <i>a</i> Wheat.	1
179. Howe, David, Weedsport. Corn.	2	<i>b</i> Oats.	3
180. Howell, S. D., Millville. <i>a</i> Wheat.	1	<i>c</i> Barley.	4
<i>b</i> Oats.	3	210. Leutz, William, Lockport. Wheat.	1
<i>c</i> Barley.	4	211. Lincoln, O. M., Newark. <i>a</i> Corn.	2
181. Howland, John, Gloversville. <i>a</i> Corn.	2	<i>b</i> Barley.	4
<i>b</i> Oats.	3	212. Lindke, William, Shelby Centre. <i>a</i> Wheat.	1
<i>c</i> Rye.	5	<i>b</i> Oats.	3
<i>d</i> Buckwheat.	7	213. Link, W. H., Reeds Corners. Corn.	2
182. Isham, W. B., New York. <i>a</i> Corn.	2	214. Lobbett, J. J., North Ridgeway. <i>a</i> Wheat.	1
<i>b</i> Oats.	3	<i>b</i> Oats.	3
<i>c</i> Rye.	5	215. Longwell, Carver, Bradford. Corn.	2
183. Ives, F. O., South Easton. Corn.	2	216. Lowman, F. C., Nichols. Corn.	2
184. Johnson, Erastus, Spring Valley. <i>a</i> Corn.	2	217. Loveland, Albert, Albion. Corn.	2
<i>b</i> Oats.	3	218. Lowe, Manford, Leon. Oats.	3
185. Jolly, Isaac, West Fayette. <i>a</i> Wheat.	1	219. Luttenton, J. H., East Carleton. <i>a</i> Corn.	2
<i>b</i> Corn.	2	<i>b</i> Rye.	5
<i>c</i> Barley.	4	<i>c</i> Buckwheat.	7
186. Jones, John W., Elmira. <i>a</i> Wheat.	1	220. McAvoy, J., Medina. Barley.	4
<i>b</i> Rye.	5	221. McCann, John, Elmira. <i>a</i> Corn.	2
187. Jones, Prosser, Seneca Castle. Buck- wheat.	7	<i>b</i> Oats.	3
188. Jones, R. H., Clifton Springs. Oats.	3	222. McCargar, P. R., Shelby Centre. <i>a</i> Wheat.	1
189. Kennedy, C. B., Belleville. Barley.	4	<i>b</i> Barley.	4
190. King, H. N., Orleans. Barley.	4	223. McCarty, Milan, Throopsville. Corn.	2
191. Kingsford, Thomas, Oswego. <i>a</i> Wheat.	1	224. McCauley, Margaret, Clifton Springs. Wheat.	1
<i>b</i> Corn.	2	225. McCormick, A. J., Medina. Wheat.	1
<i>c</i> Barley.	4	226. McCullough, Andrew, Monticello. Buckwheat.	7
<i>d</i> Rye.	5	227. McGrain, Daniel, MacDougalls. Corn.	2
192. King, T. H., Trumansburg. Corn.	2	228. McNall, Albion. <i>a</i> Wheat.	1
193. Knapp, A. N., Seneca Castle. Corn.	2	<i>b</i> Corn.	2
194. Knapp, Silas, Middleport. Corn.	2	<i>c</i> Barley.	4
195. Kosky, Stephen, Ithaca. Wheat.	1	229. McPherson, D., Caledonia. Corn.	2
196. L'Hommedieu, W., Medina. <i>a</i> Corn.	2	230. McVean, J. J., Johnstown. <i>a</i> Corn.	2
<i>b</i> Oats.	3	<i>b</i> Oats.	3
<i>c</i> Barley.	4	<i>c</i> Rye.	5
197. Lake, John W., Medina. Wheat.	1	231. Mackey, D. D., Highland. <i>a</i> Wheat.	1
198. La Monte, C. M., Oswego. <i>b</i> Oats.	3	<i>b</i> Corn.	2
199. Lanning, John W., Ithaca. <i>a</i> Corn.	2	<i>c</i> Oats.	3
<i>b</i> Oats.	3	232. Mack, J. W., Albion. <i>a</i> Wheat.	1
200. Larison, J. J., Blodgett Mills. Corn.	2	<i>b</i> Corn.	2
201. Lasher, Nelson. Corn.	2	<i>c</i> Barley.	4
202. Laub, D. A. <i>a</i> Wheat.	1	233. Marsh, David, Cuylerville. Corn.	2
<i>b</i> Corn.	2	234. Marshall, B., Waterloo. <i>a</i> Wheat.	1
<i>c</i> Barley.	4	<i>b</i> Corn.	2
203. Leach, A. T., Lyons. Barley.	4	<i>c</i> Oats.	3
204. Leathersich, David, Caledonia. Corn.	2	<i>d</i> Barley.	4
205. Lee, A. M., South Bloomfield. Corn.	2	235. Maxson, Franklin, De Ruyter. Oats.	3
206. Lee, C. L., Ellisburgh. <i>a</i> Wheat.	1	236. Maynard, Mrs. O. E., Waterloo. Corn.	2
<i>b</i> Corn.	2	237. Miller, E. D., Millers. Buckwheat.	7
<i>c</i> Oats.	3	238. Miller, Harmon, Lyons. <i>a</i> Wheat.	1
207. Lee, Frank L., Ellisburgh. Corn.	2	<i>b</i> Corn.	2
208. Lee, Gene., Ellisburgh. <i>a</i> Oats.	3	239. Miller, James, Penn Yan. Wheat.	1
<i>b</i> Rye.	5	240. Miller, John W., Palatine Bridge. Rye.	5

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241.	Mitchell, Frank, Ithaca. Buckwheat.	7	276.	Pierson, M. F., Seneca Castle.	
			<i>a</i> Wheat.		1
242.	Mix, Charles N., Albion. Corn.	2	<i>b</i> Corn.		2
243.	Moak, William, Lyons. Barley.	4	<i>c</i> Oats.		3
244.	Moore, John S., Medina.		<i>d</i> Buckwheat.		7
	<i>a</i> Wheat.	1	277.	Pomeroy, Norman, Lockport. Buck-	
	<i>b</i> Corn.	2	wheat.		7
	<i>c</i> Oats.	3	278.	Pratt, W. W., Ridgeway. Wheat.	1
245.	Moore, Reuben, Chatham.		279.	Preston, E., Pittsford.	
	<i>a</i> Corn.	2	<i>a</i> Corn.		2
	<i>b</i> Oats.	3	<i>b</i> Oats.		3
	<i>c</i> Rye.	5	280.	Printop, Chief, Sanborn. Corn.	2
246.	Morgan, George, Easton. Corn.	2	281.	Quinn, E. R., Waterloo.	
247.	Morse, Edward H., Canandaigua.		<i>a</i> Corn.		2
	Barley.	4	<i>b</i> Buckwheat.		7
248.	Muiser, Richard, Suffern.		282.	Ralliett, E. C., MacDougalls.	
	<i>a</i> Rye.	5	<i>a</i> Wheat.		1
	<i>b</i> Buckwheat.	7	<i>b</i> Corn.		2
249.	Murdock, Fred, Medina. Barley.	4	283.	Raymond, E. A., Bedford. Rye.	5
250.	Murphy, Arthur, Seneca Castle. Corn.	2	284.	Reed, M. B., Medina. Oats.	3
251.	Nellis, John W., Palatine Bridge.		285.	Reed, N. T., Lowville. Corn.	2
	Corn.	2	286.	Reid, Joseph, Millville. Wheat.	1
252.	Newcomb, A. J., Flint. Corn.	2	287.	Reissugue, J., North Ridgeway.	
253.	Newell, E. S., De Ruyter. Oats.	3	Buckwheat.		7
254.	Newell, Roger, Huron. Barley.	4	288.	Reissugue, John, Blaine. Corn.	2
255.	Newland, William, Orleans. Oats.	3	289.	Reynolds, Hiram, Medina. Wheat.	1
256.	Newman, William O., Ithaca. Corn.	2	290.	Rhoades, Cyrus R., Leon. Buck-	
257.	Newton, John, Hopewell Centre.		wheat.		7
	<i>a</i> Wheat.	1	291.	Rhodes, Lorenzo, Hindsburgh.	
	<i>b</i> Corn.	2	Wheat.		1
	<i>c</i> Barley.	4	292.	Robbins, Henry M., Cortland. Barley.	
258.	Nichols, Peter F., Lewis. Rye.	5			4
259.	Nichols, Scott, Adamsville.		293.	Roberts, D. L., Royalton Centre.	
	<i>a</i> Corn.	2	Corn.		2
	<i>b</i> Rye.	5	294.	Roe, Austin, Patchogue. Corn.	2
260.	Norris, A. H., Morganville. Barley.	4	295.	Rogers, George P., Barre Centre.	
261.	Nuteaway, Peter, Schoharie. Rye.	5	<i>a</i> Wheat.		1
262.	Oxner, J. S., New Haven. Corn.	2	<i>b</i> Barley.		4
263.	Paine, E. C., Albion. Corn.	2	296.	Ross, W. F., Knowlesville.	
264.	Paine, John, Greece.		<i>a</i> Wheat.		1
	<i>a</i> Wheat.	1	<i>b</i> Oats.		3
	<i>b</i> Oats.	3	<i>c</i> Barley.		4
	<i>c</i> Barley.	4	297.	Rowley, A. P., South Cortland.	
265.	Parker, T. F., Clifton Springs. Oats.	3	<i>a</i> Corn.		2
		3	<i>b</i> Oats.		3
266.	Payne, George, Hillsborough. Wheat.	1	298.	Rowley, George W., Saratoga	
		1	Springs. Corn.		2
267.	Pearson, Albert, Gorham. Wheat.	1	299.	Ruelson, W. S., Clifton Springs.	
268.	Pease, William B., Lockport.		Wheat.		1
	<i>a</i> Wheat.	1	300.	Russel & Birket, Penn Yan.	
	<i>b</i> Corn.	2	<i>a</i> Wheat.		1
	<i>c</i> Oats.	3	<i>b</i> Oats.		3
	<i>d</i> Barley.	4	<i>c</i> Buckwheat.		7
269.	Peck, A. J., Medina.		301.	Ryan, James, Shelby. Wheat.	1
	<i>a</i> Wheat.	1	302.	Safford, Chas. H., Argyle. Corn.	2
	<i>b</i> Oats.	3	303.	Salisbury, Charles F., Orleans. Bar-	
270.	Pelton Brothers, Monticello.		ley.		4
	<i>a</i> Corn.	2	304.	Sanford, L. A., Gaines.	
	<i>b</i> Oats.	3	<i>a</i> Wheat.		1
271.	Pelton, P. R., Monticello. Rye.	5	<i>b</i> Corn.		2
272.	Pendry, William H., Albion.		305.	Sargeant, A. J., Waterfort. Wheat.	1
	<i>a</i> Wheat.	1	306.	Saunders, J. P., Bristol Springs.	
	<i>b</i> Oats.	3	Wheat.		1
273.	Perry, R. M., Medina. Wheat.	1	307.	Sayles, L. L., Malone.	
274.	Pettit, Henry, Medina.		<i>a</i> Wheat.		1
	<i>a</i> Wheat.	1	<i>b</i> Corn.		2
	<i>b</i> Oats.	3	<i>c</i> Oats.		3
275.	Pickett, Daniel, Millville.		<i>d</i> Barley.		4
	<i>a</i> Wheat.	1	308.	Scott, Frank D., Medina. Oats.	3
	<i>b</i> Corn.	2	309.	Scott, John L., Geneseo. Wheat.	1
	<i>c</i> Oats.	3	310.	Searing, William F., Sherwood.	
	<i>d</i> Barley.	4	Corn.		2

DEPARTMENT A.—AGRICULTURE.

311. Sears & Howell, Blooming Grove. Wheat. 1	350. Teeter, Andrew, Ithaca. a Wheat. 1
312. Seeber, H. Clay, Marshville. a Wheat. 1 b Buckwheat. 7	b Corn. 2 c Oats. 3
313. Seegwald, H. H., Clifton Springs. Oats. 3	351. Tennant, E. M., Willet. Oats. 3
314. Seeley, R. F., Waterloo. a Corn. 2 b Buckwheat. 7	352. Thom, John W., Highland. a Corn. 2 b Buckwheat. 7
315. Sheerar, A., South Cortland. Rye. 5	353. Thompson, G. S., Amenia. Corn. 2
316. Sherman, Frank, Westport. Oats. 3	354. Thompson, E. N., Meredith. Rye. 5
317. Sherman, Lewis & Dwelle, Penn Yan. Barley. 4	355. Thorne, Henry, Lyndonville. Wheat. 1
318. Sherwood, John, Medina. a Wheat. 1 b Barley. 4	356. Tillbury, Herman, Owego. Rye. 5
319. Shisler, A. J., Medina. a Wheat. 1 b Oats. 3	357. Tillson, Oliver J., Highland. a Rye. 5 b Buckwheat. 7
320. Sholtes, C., Schoharie. Corn. 2	358. Timmerman, Arm., Medina. Barley. 4
321. Signor, Burdette, Danby. Oats. 3	359. Tinkham & Sims, Akron. Barley. 4
322. Simpkins, Irving, Medina. a Wheat. 1 b Oats. 3	360. Townsend, L. M., Lodi. a Wheat. 1 b Corn. 2 c Oats. 3
323. Smith, A. B., Cortland. Wheat. 1	361. Townsend, O. K., Ithaca. Oats. 3
324. Smith, D. H., Middleport. Oats. 3	362. Treichler, E. J., Sanborn. a Wheat. 1 b Corn. 2
325. Smith, G. R. B., North Ridge. Wheat. 1	363. Trickey, R., Bristol Springs. Oats. 3
326. Smith, John H., Medina. a Wheat. 1 b Oats. 3	364. Turner, Samuel, Lyndonville. a Wheat. 1 b Oats. 3
327. Smith, Moses, Hallsville. Corn. 2	365. Tuttle, Chas. N., Clockville. a Wheat. 1 b Barley. 4 c Rye. 5
328. Smith, Owen, Angelica. Wheat. 1	366. Udyke, C., West Fayette. Oats. 3
329. Smith, S. J., Manchester. Wheat. 1	367. Van Horn, William, Middleport. Corn. 2
330. Smith, W. & F., Geneva. a Corn. 2 b Rye. 5	368. Van Sickle, G., MacDougalls. Oats. 3
331. Snyder, D. E., Newark. Barley. 4	369. Van Wie, Canajoharie. Corn. 2
332. Spangle, W. J., Hopewell Centre. Oats. 3	370. Van Wie, Daniel, Palatine Bridge. a Corn. 2 b Rye. 5 c Buckwheat. 7
333. Spencer, Lillie M., Highland. Oats. 3	371. Vosburg, C. L., Geneva. a Corn. 2 b Buckwheat. 7
334. Squires, J. C., Seneca. Buckwheat. 7	372. Wait, Elmore, Easton. Corn. 2
335. Staley, Charles, Sharon Springs. a Oats. 3 b Buckwheat. 7	373. Walters, Harry J., Lisle. Oats. 3
336. Stanbro, Wm., Jr., Brookfield. Oats. 3	374. Walker, T. M., Angelica. Oats. 3
337. Stengel, John C., MacDougalls. Corn. 2	375. Wayne, W. P., Orleans. Corn. 2
338. Stewart, Alexander B., Ballston Centre. Rye. 5	376. Webster, J. D., & Son, Medina. Oats. 3
339. Stillman, D. B., Brookfield. Corn. 2	377. Webster, Lester, Flint. Wheat. 1
340. Stone, J. R., West Fayette. a Corn. 2 b Oats. 3	378. Weed, James L., Ballston Spa. Corn. 2
341. Sumner, Ferguson, Orleans. Oats. 3	379. Weld, John M., Medina. Wheat. 1
342. Sutton, Charles, Shortsville. a Oats. 3 b Rye. 5	380. Wheeler, George A., South Bloom- field. a Wheat. 1 b Barley. 4
343. Swan, Claude, Melvin Hill. a Wheat. 1 b Buckwheat. 7	381. Wheeler, Horace, Fayetteville. Wheat. 1
344. Tallman, O. B., Seneca Castle. Oats. 3	382. Wheeler, Jesse A., South Bloomfield. Corn. 2
345. Tallman, T. B., Seneca Castle. Corn. 2	383. Whipple, William, Medina. a Wheat. 1 b Corn. 2 c Oats. 3
346. Tanner, Edwin, Warsaw. Corn. 2	384. White, Nathan, Mount White. Corn. 2
347. Tanner, W. A., Medina. Oats. 3	385. Whitney, J. H., Millville. Barley. 4
348. Taylor, H. R., Clifton Springs. Corn. 2	386. Whittaker, Wm. E., Knowlesville. Barley. 4
349. Taylor, Marvin, Argyle. a Wheat. 1 b Oats. 3	

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387.	Whittleton, James, Medina.	Oats.	3
388.	Wilcox, Amos, Jamestown.		
	<i>a</i>	Corn.	2
	<i>b</i>	Oats.	3
389.	Wilcox, Jones, East Chatham.	Corn.	2
			2
390.	Wilkie, C. W., Flint.	Oats.	3
391.	Williams, C. F., Middleport.	Corn.	2
392.	Williams, D. E., Geneva.	Corn.	2
393.	Wilson, A. N., Lyndonville.	Corn.	2
394.	Wilson, A. W., Millville.	Corn.	2
395.	Wilson, Irving B., Bristol Springs.		
		Barley.	4
396.	Wilson, Oliver, Highland.	Rye.	5
397.	Wilson, William V., Medina.	Barley.	4
			4
398.	Wolverton, Peter, Canandaigua.		
	<i>a</i>	Wheat.	1
	<i>b</i>	Barley.	4
399.	Wooden, H. S., Geneva.	Corn.	2
400.	Wooden, J. H., Waterloo.		
	<i>a</i>	Wheat.	1
	<i>b</i>	Rye.	5
401.	Wood, James, Mount Kisco.	Corn.	2
402.	Wood, Lewis, Suffern.	Corn.	2
403.	Wood, M. W., Woodville.	Wheat.	1
404.	Woodruff, John, Wadhams Mills.		
		Wheat.	1
405.	Woodruff, John R., Westport.	Corn.	2
			2
406.	Wood, S. T., Woodville.	Wheat.	1
407.	Wyman, Berry, Millville.		
	<i>a</i>	Wheat.	1
	<i>b</i>	Barley.	4
408.	Yarter, A., Sandy Hill.	Rye.	5
409.	Yates County Exhibit, Penn Yan.		
	<i>a</i>	Oats.	3
	<i>b</i>	Barley.	4
	<i>c</i>	Buckwheat.	7
410.	Young, E. J., Elmira.	Wheat.	1
410a.	Young, Josiah, Tallman.	Corn.	2
411.	Zeh, Stephen W., Schoharie.	Buckwheat.	7

GROUP 3.

412.	Dietrich & Co., New York.	Confectioners' and bakers' ornaments and trimmings.	27
413.	Little, Malcolm, Malcolm.	Cane syrup.	24
414.	McKeel, Isaac, Poplar Ridge.	Amber cane syrup.	24
415.	McMillan, James, Fairport.	Amber cane syrup.	24

GROUP 5.

416.	Acer, V A., Shelby Centre.	Beans.	32
			32
417.	Aldridge, A. G., Victor.	Beans.	32
418.	Allis, E. E., Barre Centre.	Beans.	32
419.	Ansley, Frank S., Billsborough.		
		Beans.	32
420.	Archer, G. W., Clifton Springs.		
		Beans.	32
421.	Bergeman, G., Yates.	Beans.	32
422.	Blanchard, George, Lyndonville.		
		Beans.	32
423.	Bonnell, H. S., Waterloo.	Beans.	32
424.	Brown, R. R., & Sons, Carlyon.		
		Beans.	32
425.	Brumaghin, A., Fonda.	Broom corn.	32
			32
426.	Burch, Philo, Carlyon.	Beans.	32

427.	Canham, James, Knowlesville.		
		Beans.	32
428.	Childs, W. E., Seneca Castle.	Beans.	32
			32
429.	Clarke, Luther, Trumbulls Corners.		
		Beans.	32
430.	Conover, Edwin, Carlyon.	Beans.	32
431.	Coon, Alexander, Medina.	Beans.	32
432.	Cummings, Arthur, Cuylerville.		
		Beans.	32
433.	Doody, J. C., Medina.	Beans.	32
434.	Fletcher, James H., Waterport.		
		Beans.	32
435.	Florey, Cubitt, Shelby Centre.	Beans.	32
			32
436.	Fuller, George, Medina.	Beans.	32
437.	Fuller, H. B., Lyndonville.	Beans.	32
438.	Furguson, R. B., Orleans.	Beans.	32
439.	Gillett, A. M., Knowlesville.	Beans.	32
			32
440.	Gillett, E., Oak Orchard.	Beans.	32
441.	Gotts, Albert G., Medina.	Beans.	32
442.	Gould, H. D., Yates.	Beans.	32
443.	Gray, Fred., Jeddo.	Beans.	32
444.	Grimes, William, Oak Orchard.		
		Beans.	32
445.	Grinnell, W. H., Piermont Manor.		
		Beans.	32
446.	Hawley, M. L., Lyndonville.	Beans.	32
			32
447.	Hill, H. C., Clifton Springs.	Beans.	32
			32
448.	Howard, J. E., Canandaigua.	Beans.	32
			32
449.	Hutchinson, A., Gaines.	Beans.	32
450.	James, A. D., Knowlesville.	Beans.	32
			32
451.	Johnson, Seymour P., East Schuyler.		
		Beans.	32
452.	Keefe, C., Shelby Centre.	Beans.	32
453.	Kosky, Stephen, Ithaca.	Beans.	32
454.	Kress, Edward, Spencerport.	Beans.	32
			32
455.	Larison, J. J., Blodgett Mills.	Beans.	32
			32
456.	Lee, Ora, Millville.	Beans.	32
457.	Leonard, Charles, Shelby Center.		
		Beans.	32
458.	Luttenton, J. H., East Carleton.		
		Beans.	32
459.	Mack, J. W., Albion.	Beans.	32
460.	McBain, A. D., Brockport.	Beans.	32
461.	McCann, James D., Elmira.	Beans.	32
			32
462.	Paine, F. W., Albion.	Beans.	32
463.	Paine, John, Greece.	Beans.	32
464.	Payne, George, Hillsborough.	Beans.	32
			32
465.	Pickett, Daniel, Millville.	Beans.	32
466.	Pierce, Romanzo, Lyndonville.		
		Beans.	32
467.	Pierson, M. F., Seneca Castle.		
		Beans.	32
468.	Pomeroy, Norman, Lockport.	Beans.	32
			32
469.	Pratt, L., County Line.	Beans.	32
470.	Preston, E., Pittsford.	Beans.	32
471.	Ralliett, E. C., MacDougalls.	Beans.	32
			32
472.	Reissugue, G., Millers.	Beans.	32
473.	Ross, W. F., Knowlesville.	Beans.	32
474.	Simpkins, Irving, Medina.	Beans.	32
475.	Starr, H. M., Medina.	Beans.	32

DEPARTMENT A.—AGRICULTURE.

476. Tinkham, Morris, East Shelby. Beans. 32
477. Townsend, O. K., Ithaca. Beans. 32
478. Turner, Samuel, Lyndonville. Beans. 32
479. Tupper, J. C., Holley. Beans. 32
480. Wadsworth, W. A., Chapinville. Beans. 32
481. Waterbury, A. B., Lyndonville. Beans. 32
482. Webster, J. D., & Son, Medina. Beans. 32
483. Whittleton, Jacob, Medina. Beans. 32
484. Wilkie, C. W., Flint. Beans. 32
485. Wilson, Wm. V., Medina. Beans. 32
486. Whitney, J. H., Millville. Beans. 32
487. Whittaker, Wm. R., Knowlesville. Beans. 32
488. Yaxley, T. A., Ridgeway. Beans. 32
- GROUP 7.**
489. Ada, Chas. M., Bovina. Butter. 42
490. Alexander, W. A., Scipioville. Butter. 42
491. Alger, Geo. S., Martinsburg. Cheese. 43
492. Anvos, Walter, Andes. Butter. 42
493. Arbuckle, P. D., Delhi. Butter. 42
494. Archibald, Geo., Bovina. Butter. 42
495. Archibald, Jno. M., Bovina. Butter. 42
496. Armstrong, Frank, Bovina Centre. Butter. 42
497. Ashly, Steven, Sherman. Butter. 42
498. Auken, Fred., High Market. Cheese. 43
499. Ayers & McKinney, Meredith. Butter. 42
500. Bailey, Jacob, Bovina Centre. Butter. 42
501. Baker, A. D., Aurelius. Butter. 42
502. Baker, Le Roy A., Aurelius. Butter. 42
503. Baker, J. H., Aurelius. Butter. 42
504. Baldwin, A. P., South Otselic. Butter. 42
505. Barher & Miner, Oxford. Cheese. 43
506. Bartlett, G. L., Edwards. Cheese. 43
507. Berry, John H., Spragueville. Cheese. 43
508. Benedict, P. F., Delhi. Butter. 42
509. Biggar, A. C., Pepacton. Butter. 42
510. Biggar, John, Andes. Butter. 42
511. Biggar, Robert, Bovina Centre. Butter. 42
512. Black, Wm., Bovina Centre. Butter. 42
513. Borthwick, W. A., Delhi. Butter. 42
514. Bowen, J. F., Lowville. Cheese. 43
515. Boyd, Geo., Norwich. Cheese. 43
516. Brantxley, H. G., Bovina Centre. Butter. 42
517. Brook, A., Owego. Butter. 42
518. Brown, Ross, Sherman. Butter. 42
519. Burgin, H. C., Lake Delaware. Butter. 42
520. Burnes, Alexander, Bovina. Butter. 42
521. Burns, J. D., Bovina Centre. Butter. 42
522. Campbell, J. M., Bovina Centre. Butter. 42
523. Catton, A. S., Clifton Springs. Butter. 42
524. Cattsell, H. M., Rhinecliff. Butter. 42
525. Chase, A., Owego. Butter. 42
526. Clunn, A., Bovina. Butter. 42
527. Cook, E. B., Cazenovia. Butter. 42
528. Cook, C. E., Cazenovia. Butter. 42
529. Cooper, J. C., Theresa. Cheese. 43
530. Cotton, A. S., Clifton Springs. Butter. 42
531. Cottrell, H. M., Rhine Cliff. Butter. 42
532. Craig, John, Jr., Delhi. Butter. 42
533. Curd, I., Owego. Butter. 42
534. Currie, James H., Delhi. Butter. 42
535. Davidson, D., Lake Delaware. Butter. 42
536. Doig, W. A., Bovina Centre. Butter. 42
537. Doig, W. J., Lake Delaware. Butter. 42
538. Dryden, Geo. J., Copenhagen. Cheese. 43
539. Dutton, Julia M., Waterloo. Butter. 42
540. Dysast, Alex. S., Delhi. Butter. 42
541. Easton, G. R., Lowville. Cheese. 43
542. Edwards, F. W., Sherman. Butter. 42
543. Empire Cheese Co., New Berlin. Cheese. 43
544. Evans, Roland, Glendale. Cheese. 43
545. Every, Nehemiah, Delhi. Butter. 42
546. Finster, I. E., Lacona. Cheese. 43
547. Fisher, Geo. J., Delhi. Butter. 42
548. Fisk, D., Owego. Butter. 42
549. Flaherty, W. H., Massena. Cheese. 43
550. French Creek Creamery, French Creek. Butter. 42
551. Ganoing, A., Delhi. Butter. 42
552. Gates, F. H. & Sons, Chittenango. Butter. 42
553. George, James D., Delhi. Butter. 42
554. Gilbert, W. H., Richland. Cheese. 43
555. Glendening, John S., Delhi. Butter. 42
556. Golding, Henry B., Groton. Butter. 42
557. Goodrich, A. H., Oakwood. Butter. 42
558. Gordon S., Chazy. Butter. 42
559. Graves, B. M., Lowville. Cheese. 43
560. Greswold, G. M., Owego. Butter. 42
561. Hall, Clarence L., Gouveneur. Cheese. 43
562. Hasten, H., Owego. Butter. 42
563. Hawley, F. W., Pittsford. Butter. 42
564. Hilson, Thos., Bovina. Butter. 42
565. Hobby, James, Lake Delaware. Butter. 42
566. Hobby, Jno. T., Bovina. Butter. 42
567. Holmes, Walter, Pulaski. Cheese. 43
568. Howland, E. B., Walton. Butter. 42
569. Howland, E. P., Walton. Butter. 42
570. Hudson, T. R., Delhi. Butter. 42
571. Hunt, G. D., Molina. Cheese. 43
572. Jackson, T. R., Lake Delaware. Butter. 42
573. Jarvin, Gilbert, Bovina Centre. Butter. 42
574. Johnson, A., Bovina. Butter. 42
575. Johnson, Alex. A., Bovina. Butter. 42
576. Johnson, J. H., Bovina. Butter. 42
577. Johnson, L. A., Collins. Cheese. 43
578. Kaw, Michael, Boonville. Butter. 42
579. Kirkland Creamery Co., Kirkland. Butter. 42
580. Lawrence & Durland, Chester. Cheese. 43
581. Lee, A. R., Bovina Centre. Butter. 42
582. Lee, Chas. R., Bovina. Butter. 42
583. Lewis, D. W., Sherruck. Butter. 42
584. Little, D. D., Bovina. Butter. 42
585. Loomis Creamery, Loomis. Butter. 42

UNITED STATES.

586. Loutz, Chas., Buffalo. Butter. 42
587. Ludington, B. H., Bovina. Butter. 42
588. Lull, G., Owego. Butter. 42
589. Mable, R. A., Delhi. Butter. 42
590. Mabin, J. C., Andes. Butter. 42
591. Mabin, Thos., Andes. Butter. 42
592. Marts, Marion C., Mohawk. Cheese. 43
593. Mattison, H. S., Morris. Butter. 42
594. Matteson, Henry S., Morris. Butter. 42
595. McDonald, Alex, Delhi. Butter. 42
596. McDonald, John T., Delhi. Butter. 42
597. McFarland, A., Bovina. Butter. 42
598. McFarland, J. T., Bovina. Butter. 42
599. McGrath, Thomas W., New Boston. Cheese. 43
600. McGriswold, Geo., Owego. Butter. 42
601. McKinney, H. J., Pine Bush. Butter. 42
602. McKinney, Bert, Orwell. Cheese. 43
603. McMillen, John, Dresserville. Butter. 42
604. Miller, A., Adams. Cheese. 43
605. Miller, Marshall, Bovina Centre. Butter. 42
606. Miller, Wm. L., Bovina Centre. Butter. 42
607. Mitchell, J. D., Bovina. Butter. 42
608. Montague, J. J., Ricard. Butter. 42
609. Moore, C. D., Lowville. Cheese. 43
610. Morehouse, Henry D., Ava. Cheese. 43
611. Munson, Frank, Watertown. Butter. 42
612. Neuchwander, J. & J., Monroe. Cheese. 43
613. Nichols, Geo. E., Afton. Butter. 42
614. Nichols, James, Andes. Butter. 42
615. Norton, Robt., Attica. Cheese. 43
616. Norton, Robert, & Co., Attica. Cheese. 43
617. Olinstead, A. E., Orwell. Cheese. 43
618. Oliver, D., Bovina Centre. Butter. 42
619. Ormondson, Thos., Bovina Centre. Butter. 42
620. Osborne, W. D., Port Byron. Butter. 42
621. Park, J. F., Otto. Cheese. 43
622. Pease, Howard N., Delhi. Butter. 42
623. Petrie, Alphonso, Middleville. Cheese. 43
624. Pickard & Baker, Hermon. Cheese. 43
625. Pierdy, Geo. A., McDonough. Butter. 42
626. Platt, H. N., McDonough. Butter. 42
627. Pratt, Fred, Sherman. Butter. 42
628. Prentice, W., Owego. Butter. 42
629. Purdy, Geo. A., McDonough. Butter. 42
630. Quading, S. C., Groton. Butter. 42
631. Rankin, L. G., Little Falls. Cheese. 43
632. Reed, James W., Caroline. Butter. 42
633. Resford, O. M., Watertown. Butter. 42
634. Richards, E., Owego. Butter. 42
635. Richardson, W. W., West Schuyler. Cheese. 43
636. Robertson, M., Bovina Centre. Butter. 42
637. Rockwell, L. S., Gilbertsville. Cheese. 43
638. Root, C. P., Gilbertsville. Cheese. 43
639. Rud, Iram C., Syracuse. Butter. 42
640. Ruff, W., Bovina. Butter. 42
641. Russell, A. T., Bovina. Butter. 42
642. Russell, James, Bovina. Butter. 42
643. Russell, Jno. A., Bovina Centre. Butter. 42
644. Russell, R. N., Bovina. Butter. 42
645. Russell, S., Bovina Centre. Butter. 42
646. Salisbury, B., Sandy Creek. Cheese. 43
647. Scott, R. R., Bovina Centre. Butter. 42
648. Sears, Geo., Sherman. Butter. 42
649. Searl, Jay H., Lowville. Cheese. 43
650. Shattuck, J. B., Cherry Creek. Butter. 42
651. Shaw, Frank E., Dunkirk. Butter. 42
652. Shaw, J. B., Crary's Mills. Butter. 42
653. Sheldon, G. B., Gouverneur. Butter. 42
654. Sheldon, G. B. & Son, Gouverneur. Butter. 42
655. Sherruck Creamery, Sherruck. Butter. 42
656. Shephard, D. L., Mount Upton. Butter. 42
657. Shutts, A. M., State Line. Butter. 42
658. Slate, Nelson, Jenksville. Butter. 42
659. Smith, Alphens, Norwich. Cheese. 43
660. Smith H. L., Norwich. Cheese. 43
661. Smith, James M., Bloomfield. Butter. 42
662. Smith, Jackson, Herkimer. Cheese. 43
663. Smith, S. W., Paris. Butter. 42
664. Smith & Powell, Syracuse. Butter. 42
665. Spencer, Wm. C., Lowville. Cheese. 43
666. Spilman, Chas., Owego. Butter. 42
667. Stangway, Thomas, Lake Delaware. Butter. 42
668. Steele, Thomas L., Delhi. Butter. 42
669. Stevens, Nelson, West Groton. Butter. 42
670. Still, C. B., Theresa. Cheese. 43
671. Stone, E. L., Mannsville. Cheese. 43
672. Stuart, J. B., Delhi. Butter. 42
673. Sweet, C. A., East Aurora. Butter. 42
674. Sweezy, A. B., Sherman. Butter. 42
675. Taylor, Clayton C., Lawton Station. Butter. 42
676. Thompson, E. N., Delhi. Butter. 42
677. Thompson, J. L., Delhi. Butter. 42
678. Thompson, Wm., Delhi. Butter. 42
679. Thompson, Dickinson, Bovina Centre. Butter. 42
680. Thompson, R. A., Bovina Centre. Butter. 42
681. Thompson, W. A., Bovina. Butter. 42
682. Thompson, Wm. S., Bovina Centre. Butter. 42
683. Thomson, Mrs. A. D., Bovina Centre. Butter. 42
684. Townsend, Helen A., Emerson. Butter. 42
685. Tuttle, A. L., South Edmeston. Cheese. 43
686. Tuttle, C. A., Bovina Centre. Butter. 42
687. Van Denmark, W., Owego. Butter. 42
688. Van Etten, A., Owego. Butter. 42
689. Van Wagener, Jared, Lawrenceville. Butter. 42
690. Wait, M. R., Canton. Cheese. 43
691. Walters, L., Owego. Butter. 42
692. Warner & Osgood, Verona. Butter. 42
693. Waterman, J., Owego. Butter. 42
694. White, W. S., Bovina Centre. Butter. 42
695. Whitford, Leroy, & Son, Stow. Butter. 42

DEPARTMENT A.—AGRICULTURE.

696.	Wight Bros., Andes. Butter.	42
697.	Wilbur, D. F., Oneonta. Butter.	42
698.	Wilcox, C. C., Oswego Falls. Butter.	42
699.	Wilson, Alexander, Bovina Centre. Butter.	42
700.	Wilson, W. R., Delhi. Butter.	42
701.	Wooster, C. A., North Hammond. Cheese.	43
702.	Wright, Geo. R., Marcy. Cheese.	43
703.	Wyman, J. B., Orwell. Butter.	42
704.	Wyman, Morris, Orwell. Butter.	42

GROUP 8.

705.	McHenry, G. P., Southport. Leaf tobacco.	48
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GROUP 9.

706.	Beardwell, Aaron, Fargo. Wool.	60
707.	Case, Nathan, Hoosick Falls. Wool.	60
708.	Cassitt, Davis, Onondaga. Wool.	60

709.	Chick, John, Attica. Wool.	60
710.	Curry, Messrs., Hartwick. Wool.	60
711.	Earll, J. Horatio, Skaneateles. Wool.	60
712.	Ham, Henry, Lyndonville. Flaxseed.	59
713.	Harmon, John S., Chatham. Flaxseed.	59
714.	Harmon, Mrs. Phebe, Red Rock. Flaxseed.	59
715.	MacNoughton Co., New York. Wool.	60
716.	Osborne & Ladd, Victor. Wool.	60
717.	Ray, John P., Hemlock Lake. Wool.	60
718.	Warren, J. Hobart, Hoosick Falls. Wool.	60
719.	Wood, James, Mount Kisco. Wool.	60
720.	Wylie, F., Marcellus. Wool.	60

GROUP 10.

721.	Morgan, John, New York. Mineral water.	64
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NORTH CAROLINA.

GROUP 1.

1.	Ainhoney, Jacob, Louise. Rice.	6
2.	Alinge, Baron d', Biltmore. <i>a</i> Corn.	2
	<i>b</i> Oats.	3
	<i>c</i> Rye.	5
	<i>d</i> Grass.	8
3.	Allison, J. P., Concord. Wheat.	1
4.	Anthony, Phillip, Morganton. Buckwheat.	7
5.	Archer, J. F., Jackson. Corn.	2
6.	Armstrong, A., Elizabeth City. Corn.	2
7.	Ashley, John, Cranberry. Wheat.	1
8.	Atkins, James, Colfax. Wheat.	1
9.	Bagwell, H. B., Garner. Pease.	9
10.	Bailey, R. W., Durham. Corn.	2
11.	Baldwin, C. M., Whiteville. Corn.	2
12.	Baldwin, T. M., Rise. Wheat.	1
13.	Ball, A. H., Colfax. Millet.	8
14.	Barnes, R., Jonesboro. <i>a</i> Corn.	2
	<i>b</i> Pease.	9
15.	Batts, J. E., Bridgersville. Pease.	9
16.	Beason, John, Winston. <i>a</i> Wheat.	1
	<i>b</i> Oats.	3
17.	Beeker, H. J., Jerusalem. Corn.	2
18.	Bernhardt, J. C., Salisbury. Corn.	2
19.	Biggerstaff, A. W., Lincolnton. <i>a</i> Wheat.	1
	<i>b</i> Corn.	2
	<i>c</i> Oats.	3
	<i>d</i> Pease.	9
20.	Bizzle, H. N., Fayetteville. <i>a</i> Rye.	5
	<i>b</i> Rice.	6
21.	Blount Bros., Bethel. Rice.	6
22.	Blue, John, Laurinburg. Corn.	2
23.	Bolinger, L. A., Newton. <i>a</i> Wheat.	1
	<i>b</i> Corn.	2
	<i>c</i> Oats.	3
	<i>d</i> Rye.	5
	<i>e</i> Pease.	9

24.	Booze, T., Winston. Wheat.	1
25.	Boswell, W. L., Edenton. Pease.	9
26.	Bowditch, J. A., Micaville. <i>a</i> Wheat.	1
	<i>b</i> Corn.	2
	<i>c</i> Oats.	3
	<i>d</i> Rye.	5
	<i>e</i> Buckwheat.	7
27.	Bower, D. E., Yadkin Valley. Buckwheat.	7
28.	Boyce, W. W., Pineville. <i>a</i> Wheat.	1
	<i>b</i> Corn.	2
	<i>c</i> Oats.	3
	<i>d</i> Rye.	5
	<i>e</i> Rice.	6
29.	Brake, J. L., Rocky Mount. <i>a</i> Corn.	2
	<i>b</i> Pease.	9
30.	Breener, T. K., Elizabeth City. Corn.	2
31.	Brinkley, H., Glen Alpine. Wheat.	1
32.	Brown, G. F., Harts. Corn.	2
33.	Brown, R. A., Wilson's Store. <i>a</i> Wheat.	1
	<i>b</i> Corn.	2
	<i>c</i> Oats.	3
	<i>d</i> Rye.	5
	<i>e</i> Pease.	9
34.	Brown, T. K., Elizabeth City. Oats.	3
35.	Bryan, J. A., Kenansville. Corn.	2
36.	Bryson, S. H., Balsam. Wheat.	1
37.	Buffoloe, R. J., Raleigh. Pease.	9
38.	Bullinger, J. F., Hickory. Pease.	9
39.	Bunday, D. A., Johns Station. Pease.	9
40.	Burwell, J. B., Raleigh. Oats.	3
41.	Byers, D. A., Edneyville. <i>a</i> Wheat.	1
	<i>b</i> Oats.	3
	<i>c</i> Rye.	5
42.	Canble, H. M., Salisbury. Oats.	3
43.	Cannon, G. H., Town Creek. Pease.	9

UNITED STATES.

44. Canup, C., Salisbury.		76. Deal, M. S. Newton.	
<i>a</i> Wheat.	1	<i>a</i> Wheat	1
<i>b</i> Corn.	2	<i>b</i> Oats.	3
<i>c</i> Oats.	3	<i>c</i> Pease.	9
<i>d</i> Pease.	9	77. Doughton, T. H., Laurel Springs.	
45. Carlton, A. W., Warsaw. Rice.	6	Corn.	2
46. Carlton, S., Warsaw.		78. Doughtry, Allen, Newton Grove.	
<i>a</i> Wheat.	1	Wheat.	1
<i>b</i> Rice.	6	79. Doughtry, Wm., Newton Grove.	
47. Carmichael, J. A., John Station. Rice.	6	Oats.	3
48. Carr, J. H., Xenia.		80. Doughtry, J. H., Laurel Springs.	
<i>a</i> Corn.	2	<i>c</i> Rye.	5
<i>b</i> Rye.	5	<i>b</i> Buckwheat.	7
49. Cathey, L. A., Mt. Holly.		81. Dull, E. C., Phafftown. Wheat.	1
<i>a</i> Wheat.	1	82. Dunston, Dr. H. V., Windsor.	
<i>b</i> Corn.	2	<i>a</i> Oats.	3
<i>c</i> Oats.	4	<i>b</i> Pease.	9
<i>d</i> Pease.	9	83. Early, A. E., Aulander. Wheat.	1
50. Chamblee, W. H., Wakefield. Corn.	2	84. Early, A. W., Aulander. Oats.	3
51. Chitty, W. H., Menola. Wheat.	1	85. Edens, H. L., Red Springs.	
52. Clapp, Carroll, Newton. Rice.	6	<i>a</i> Wheat.	1
53. Clemmons, E. T., Asheville. Grass.	8	<i>b</i> Pease.	9
54. Click, M., Augusta. Corn.	2	86. Edmundson, A. J., Shine. Pease.	8
55. Cloverdale, Daisy, Raleigh. Oats.	3	87. Elder, Lee, Trinity College. Corn.	2
56. Cofield, J. E., Cisco. Oats.	3	88. Elms, J. H., Pineville. Corn.	2
57. Collett, Jno., Thomasville. Wheat.	1	89. Emeny, F. E., Raleigh. Pease.	9
58. Conrad, A. E., Lewisville. Wheat.	1	90. Emory, T. L., Weldon. Corn.	2
59. Costner, W. A. Lincolnton		91. Estes, S. F., Upton.	
<i>a</i> Wheat	1	<i>a</i> Wheat.	1
<i>b</i> Corn.	2	<i>b</i> Corn.	2
<i>c</i> Oats.	3	<i>c</i> Buckwheat.	7
60. Cox, R. L., Winston.		<i>d</i> Pease.	9
<i>a</i> Wheat.	1	92. Etheridge, E. E., Colerain.	
<i>b</i> Corn.	2	<i>a</i> Corn.	2
<i>c</i> Oats.	3	<i>b</i> Pease.	9
61. Cox, S. S., Brown's Store.		93. Etheridge, Jno., Snowden. Rice.	6
<i>a</i> Wheat.	1	94. Fagg, M. J., Asheville. Grass.	8
<i>b</i> Corn.	2	95. Farmer, T. R., Hasty. Corn.	2
<i>c</i> Oats.	3	96. Felton, W. B., Rockyhock. Pease.	9
62. Cranberry Iron & Coal Co., Cranberry.		97. Fiegler, L., Bethania. Oats.	3
<i>a</i> Corn.	2	98. Finch, T. J., Wheatmore.	
<i>b</i> Oats.	3	<i>a</i> Wheat.	1
63. Crawford, Lee, Franklin. Wheat.	1	<i>b</i> Hay.	8
64. Cress, P. J., China Grove. Wheat.	1	99. Fink, J. A., Linwood.	
65. Cronly, M., Jr., Wilmington. Rice.	6	<i>a</i> Wheat.	1
66. Cunningham, J. S., Cunningham		<i>b</i> Corn.	2
<i>a</i> Wheat.	1	<i>c</i> Oats.	3
<i>b</i> Corn.	2	100. Finley, J. H., Edneyville. Corn.	2
<i>c</i> Oats.	3	101. Fisher, J. W., Webster. Oats.	3
67. Currie, A. H., Maxton.		102. Forney, Robt., Bridgewater.	
<i>a</i> Wheat.	1	<i>a</i> Wheat.	1
<i>b</i> Corn.	2	<i>b</i> Oats.	3
<i>c</i> Oats.	3	<i>c</i> Rye.	5
<i>d</i> Pease.	9	<i>d</i> Buckwheat.	7
68. Dale, J. A., Bridgewater. Wheat.	1	<i>e</i> Pease.	9
69. Davis, C. W., Englehard. Oats.	3	103. Fulp, Dr. E, Fulp.	
70. Davis, E. L., Augusta. Pease.	9	<i>a</i> Wheat.	1
71. Davis, G. E., Englehard.		<i>b</i> Oats.	3
<i>a</i> Corn.	2	104. Garratt, C. W., & Co., Medoc. Corn.	2
<i>b</i> Pease.	9	105. Gibbs, Robt., Gibbs. Corn.	2
72. Davis, T. R., Augusta. Corn.	2	106. Gibbs, J. M., Ivy.	
73. Davis, T. W., Creek.		<i>a</i> Wheat.	1
<i>a</i> Corn.	2	<i>b</i> Corn.	2
<i>b</i> Pease.	9	<i>c</i> Oats.	3
74. Davis, W. E., Creek.		<i>d</i> Buckwheat.	7
<i>a</i> Corn.	2	<i>e</i> Pease.	9
<i>b</i> Oats.	3	107. Gibbs, W. F., Bridgewater.	
75. Deadman, J. H., Augusta.		<i>a</i> Wheat, threshed and in straw.	1
<i>a</i> Wheat.	1	<i>b</i> Corn.	2
<i>b</i> Corn.	2	108. Goforth, A. J., Belmont. Corn.	2
<i>c</i> Pease.	9	109. Goldston, J. J., Goldston. Oats.	3
		110. Goldston, Maxton. Oats.	3

DEPARTMENT A.—AGRICULTURE.

111. Goodwin, E. McK., Raleigh.		147. Jones, M. B., Mt. Olive. Wheat.	1
<i>a</i> Corn.	3	148. Jones, T. F., Cester's Mills. Pease.	9
<i>b</i> Grass.	8	149. Jones, W. H., Middleton. Pease.	9
<i>c</i> Pease.	9	150. Joyner, A. M., Murfreesboro. Pease.	9
112. Goodyear, Chas., Waynesville.		151. Junerson, D. W., Rocky Pass. Rice.	6
Wheat.	1	152. Justice, Isaac, Edneyville.	
113. Graham, W. A., Machpelah.		<i>a</i> Buckwheat.	7
<i>a</i> Wheat.	1	<i>b</i> Pease.	9
<i>b</i> Pease.	9	153. Justus, W. R., Bowman's Bluff. Rye.	5
114. Graves, R. N., Augusta. Corn.	2	154. Keech, B. J., Tarboro. Rice.	5
115. Greason, M., Climax. Oats.	3	155. Kennedy, W. L., Falling Creek.	
116. Green, Bryant, Millbrook. Oats.	3	<i>a</i> Corn.	2
117. Green, T. L., Williamston. Corn.	2	<i>b</i> Oats.	3
118. Greter, R. M., Climax. Corn.	2	<i>c</i> Rye.	5
119. Gwyn, N. H., Patterson. Wheat.	1	<i>d</i> Rice.	6
120. Hansley, Wilson, Bald Creek.		<i>e</i> Pease.	9
<i>a</i> Wheat.	1	156. Kerley, S. C., Morganton. Wheat.	1
<i>b</i> Buckwheat.	7	157. Kerley, W. L., Kilby. Buckwheat.	7
121. Harrison, H. S., Medoc.		158. Kincaid, R. N., Bridgewater.	
<i>a</i> Oats.	3	<i>a</i> Oats.	3
<i>b</i> Pease.	9	<i>b</i> Rye.	5
122. Harrison, S. R., Salisbury. Corn.	2	<i>c</i> Pease.	9
123. Harris, W. L., Salisbury. Corn.	2	159. King, T. J., Louisburg.	
124. Hasty, D. W., Alfordsville.		<i>a</i> Wheat.	1
<i>a</i> Oats.	3	<i>b</i> Oats.	3
<i>b</i> Rice.	6	<i>c</i> Grass-seed.	8
125. Helms, F. M., Beaver Dam. Wheat.	1	160. Kiser, Jacob, Snapp. Corn.	2
126. Hendricks, J. A., Tennyson. Corn.	2	161. Kistler, W. L., Bear Poplar. Oats.	3
127. Hester, A. J., Winstead.		162. Knight, E. E., Tarboro. Rice.	6
<i>a</i> Wheat.	1	163. Knight, L. D., Tarboro.	
<i>b</i> Corn.	2	<i>a</i> Wheat.	1
<i>c</i> Oats.	3	<i>b</i> Rice.	6
<i>d</i> Pease.	9	164. Koon, G. H., Salisbury.	
128. High, A. H., Whiteville.		<i>a</i> Wheat.	1
<i>a</i> Oats.	3	<i>b</i> Corn.	2
<i>b</i> Rice.	6	<i>c</i> Oats.	3
129. Hines, A. A., Waynesville.		<i>d</i> Pease.	9
<i>a</i> Corn.	2	165. Kornegoy, C. F. R., Mount Olive.	
<i>b</i> Oats.	3	Rice.	6
<i>c</i> Buckwheat.	7	166. Lackey, J. A., Bridgewater.	
130. Hobbs, J. G., Alfordsville. Rice.	6	<i>a</i> Wheat.	1
131. Hocutt, W. B., Rocky Point. Rice.	6	<i>b</i> Corn.	2
132. Hodges, J. D., Augusta.		<i>c</i> Oats.	3
<i>a</i> Wheat.	1	167. Lail, P. C., Conover. Wheat.	1
<i>b</i> Pease.	9	168. Lambeth, D. T., Thomasville.	
133. Hodley, J. M., La Grange. Rice.	6	Wheat.	1
134. Holford, W. H., Weldon. Corn.	2	169. Lambeth, J. H., Thomasville.	
135. Holt, S. B., Graham. Corn.	2	Wheat.	1
136. Holt, T. M., Thomasville.		170. Lane, Daniel, Bellair.	
<i>a</i> Wheat.	1	<i>a</i> Corn.	2
<i>b</i> Oats.	3	<i>b</i> Pease.	9
<i>c</i> Clover seed and pease.	9	171. Laurence, W. G., Fayetteville.	
137. Holt & Homewood, Burlington.		<i>a</i> Corn.	2
<i>a</i> Wheat.	1	<i>b</i> Pease.	9
<i>b</i> Corn.	2	172. Lashley, J. C., Castle Hoyne.	
<i>c</i> Oats.	5	<i>a</i> Corn.	2
<i>d</i> Barley.	3	<i>b</i> Oats.	3
<i>e</i> Rye.	4	<i>c</i> Pease.	9
<i>f</i> Buckwheat.	7	173. Lautz, J. F., Lincolnton.	
<i>g</i> Grass in sheaf and seed.	8	<i>a</i> Rye.	5
138. Hossell, W. E., Somerset. Pease.	9	<i>b</i> Rice.	6
139. Humphrey, Jno., Clark.		174. Lawe, J. S., Flat Shoal. Pease.	9
<i>a</i> Corn.	2	175. Lawrence, L. H., Cookley. Rice.	6
<i>b</i> Rice.	6	176. Lenoir, R. T., Yadkin Valley.	
140. Ingram, J., Asheville.		<i>a</i> Wheat.	1
<i>a</i> Oats.	3	<i>b</i> Corn, grain and ear.	2
<i>b</i> Rye.	5	<i>c</i> Oats.	3
141. James, Alfred, Martin Co. Rice.	6	<i>d</i> Pease.	9
142. Jenkins, A. J., Dallas. Wheat.	1	177. Lilly, Lafayette, Scotland Neck.	
143. Jenkins, R. M., Mt. Holly. Wheat.	1	Pease.	9
144. Jenkins, Wm., Dallas. Corn.	2		
145. Johnson, J. A., Weldon. Corn.	2		
146. Jones, G. A., Franklin. Wheat.	1		

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178.	Lindsay, T. B., Douglas.		206.	McLeod, J. A., Euphronia.	
	<i>a</i> Wheat.	1		<i>a</i> Wheat.	1
	<i>b</i> Corn.	2		<i>b</i> Corn.	2
	<i>c</i> Oats.	3	207.	McNair, M., Maxton.	
	<i>d</i> Rye.	5		<i>a</i> Oats.	3
	<i>e</i> Buckwheat.	7		<i>b</i> Rye.	5
179.	Loftin, J. O., Mt. Olive.			<i>c</i> Pease.	9
	<i>a</i> Corn.	2	208.	McRae, M. R., Maxton. Corn.	2
	<i>b</i> Oats.	3	209.	Memminger, E. R., Flat Rock.	
	<i>c</i> Pease.	9		<i>a</i> Corn.	2
180.	Long, W. S., Tarboro. Oats.	3		<i>b</i> Rye.	5
181.	Love, W. A., Maxton. Rice.	6	210.	Middleton, D. J., Warsaw. Rye.	5
182.	Lowe, W. B., Maxton. Wheat.	1	211.	Midgett, W. T., Lake Landing.	
183.	Lowman, Monroe, Connelly Springs.			Corn.	2
	<i>a</i> Corn.	2	212.	Miller, J. A., Tennyson. Wheat.	1
	<i>b</i> Barley.	4	213.	Miller, H. G., Zeb. Corn.	2
184.	Lumsden, W. J., Elizabeth City.		214.	Moore, James, Raleigh. Oats.	3
	<i>a</i> Corn.	2	215.	Moore, J. B., Raleigh. Oats.	3
	<i>b</i> Oats.	3	216.	Moore, Job, Johnson's Mills. Rice.	6
	<i>c</i> Pease.	9	217.	Moore, J. L., Kinston. Rice.	6
185.	Lyda, T. A. W., Maxwell. Corn.	2	218.	Morning, T. R., Farmville. Rice.	6
186.	Lyman, A. H. & C. H., Asheville.		219.	Morris, H. A., Germantown. Wheat.	1
	Hay.	8	220.	Morrow, J. W., Pineville.	
187.	Lynch, E. M., Rutherfordton.			<i>a</i> Wheat.	1
	<i>a</i> Corn.	2		<i>b</i> Corn.	2
	<i>b</i> Rye.	5		<i>c</i> Oats.	3
	<i>c</i> Pease.	9	221.	Morson, A. E., Maxton. Corn.	2
188.	Lynch, M. K., Darlington. Oats.	3	222.	Moye, A. J., Farmville.	
189.	Lynch, M. K., Rutherfordton.			<i>a</i> Corn.	2
	<i>a</i> Corn.	2		<i>b</i> Oats.	3
	<i>b</i> Pease.	9		<i>c</i> Rice.	6
190.	Manes, P. M., Winston. Wheat.	1		<i>d</i> Pease.	9
191.	Mason, J. W., Edenton. Pease.	9	223.	Nash, H. K., Tarboro. Rice.	6
192.	Maxwell, Mark, Waynesville. Rye.	5	224.	Newbury, H. E., Magnolia. Rice.	6
193.	Mayo, O. W., Tarboro. Rice.	6	225.	Newbury, W. R., Xenia. Pease.	9
194.	McAnally, R. P., Saxon.		226.	Nicholson, J., Belvidere. Rice.	6
	<i>a</i> Wheat.	1	227.	Oldham, T. J., Oaks. Oats.	3
	<i>b</i> Corn.	2	228.	Oliver, J. F., Mt. Olive. Rice.	6
	<i>c</i> Rye.	3	229.	Orr, Thomas, Bakam.	
	<i>d</i> Oats.	5		<i>a</i> Rye.	5
	<i>e</i> Pease.	9		<i>b</i> Buckwheat.	7
195.	McByod, J. A., Antioch.		230.	Osborne, G. H., Idlewilde.	
	<i>a</i> Corn.	2		<i>a</i> Corn.	2
	<i>b</i> Pease.	9		<i>b</i> Rye.	5
196.	McClain, D. L., Maxton.		231.	Osborne, J. A., Garden Creek.	
	<i>a</i> Wheat.	1		Wheat.	1
	<i>b</i> Corn.	2	232.	Owen, B. H., Salisbury. Oats.	3
	<i>c</i> Oats.	3	233.	Palmer, J. L., Palmersville. Wheat.	1
	<i>d</i> Rye.	5	234.	Parker, Gilliam, Lillington. Corn.	2
	<i>e</i> Rice.	6	235.	Parks, W. F., Zion. Buckwheat.	7
	<i>f</i> Pease.	9	236.	Patterson, D. A., Maxton.	
197.	McClurem, Jas., Scotland Neck.			<i>a</i> Corn.	2
	Rice.	6		<i>b</i> Oats.	3
198.	McColloch, G., Augusta.			<i>c</i> Rye.	5
	<i>a</i> Corn.	2		<i>d</i> Pease.	9
	<i>b</i> Oats.	3	237.	Paul, E. B., Lumberton. Corn.	2
199.	McDonald, Chas., Concord. Wheat.	1	238.	Payne, D. M., Trinity College. Corn.	2
200.	McGirt, J., Montpelier. Rye.	5	239.	Pearsall, E. D., Rocky Point. Pease.	9
201.	McGregor, B. F., Condave.		240.	Pedicord, H. A., Bethania. Wheat.	1
	<i>a</i> Wheat.	1	241.	Peeler, D. H., Chesterfield. Oats.	3
	<i>b</i> Corn.	2	242.	Pegram, L. A., Winston. Wheat.	1
	<i>c</i> Oats.	3	243.	Perry, J. W., Leewood.	
202.	McIver, Alex., Egypt.			<i>a</i> Wheat.	1
	<i>a</i> Wheat.	1		<i>b</i> Corn.	2
	<i>b</i> Corn.	2		<i>c</i> Oats.	3
	<i>c</i> Oats.	3		<i>d</i> Pease.	9
203.	McIver, Dr. J., Jonesboro. Corn.	2	244.	Perry, T. E., Belvidere. Rice.	6
204.	McIver, H., Tillery.		245.	Pfaff, J. E., Winston. Wheat.	1
	<i>a</i> Corn.	2	246.	Pharr, W. S., Charlotte.	
	<i>b</i> Pease.	9		<i>a</i> Wheat.	1
205.	McKinnon, McKay, Maxton. Pease.	9		<i>b</i> Corn.	2
				<i>c</i> Oats.	3
				<i>d</i> Rye.	5
				<i>e</i> Pease.	9

DEPARTMENT A.—AGRICULTURE.

247.	Picken, W. T., Jerusalem. Wheat.	1	282.	Simpson, W. J., Pernell.	
248.	Pope, H. J., Weldon. Corn.	2	<i>a</i> Corn.		2
249.	Porrell, J. A., Warsaw. Oats.	3	<i>b</i> Pease.		9
250.	Porter, S., Andrews.		283.	Skittlethrope, J. R., Newton. Rice.	6
	<i>a</i> Wheat.	1	284.	Smith, J. C., Vilas. Buckwheat.	7
	<i>b</i> Corn.	2	285.	Smith, Julius, Morganton. Oats.	3
251.	Prince, M. B., Henderson.		286.	Smith, R. T., Belmont. Corn.	2
	<i>a</i> Corn.	2	287.	Snider, J. L., Balsam.	
	<i>b</i> Pease.	9	<i>a</i> Corn.		2
252.	Propst, Martin, Concord. Corn.	2	<i>b</i> Oats.		3
253.	Rainey, Delma, Mayfield.		288.	Spencer, B., Lake Landing. Rice.	6
	<i>a</i> Corn.	2	289.	Spikes, Henry, Fieldsboro.	
	<i>b</i> Pease.	9	<i>a</i> Oats.		3
254.	Ramsey, Jno., Ray. Rye.	5	<i>b</i> Rice.		6
255.	Rankin, Maj. N. T., Franklin. Wheat.	1	290.	Stanton, D. M., La Grange.	
256.	Reinhardt, R. P., Newton.		<i>a</i> Corn.		2
	<i>a</i> Corn.	2	<i>b</i> Rice.		6
	<i>b</i> Oats.	3	<i>c</i> Pease.		9
257.	Relfe, L. C., Durant's Neck.		291.	Starbuck, J. C., Colfax.	
	<i>a</i> Wheat.	1	<i>a</i> Wheat.		1
	<i>b</i> Corn.	2	<i>b</i> Oats.		3
	<i>c</i> Oats.	3	<i>c</i> Grass.		8
258.	Reynolds, Henry, Asheville. Hay.	8	292.	Stevens, Jos., Snowden. Oats.	3
259.	Reynolds, Mrs. W. F., Asheville.		293.	Stevenson, G. E., Snowden. Peas.	9
Oats.		3	294.	Stewart, C. W., Tennyson. Corn.	2
260.	Ricks, R. H., Rocky Mount.		295.	Stewart, F. L., Tennyson. Corn.	2
	<i>a</i> Corn.	2	296.	Stewart, P. S., Tennyson. Oats.	3
	<i>b</i> Oats.	3	297.	Stokes, J. B., Windsor. Corn.	2
	<i>c</i> Pease.	9	298.	Stone, W. G., Bowman's Bluff.	
261.	Riddle, B. E., Burnsville. Rye.	5	<i>a</i> Corn.		2
262.	Riggan, R. H., Edwardsville.		<i>b</i> Oats.		3
	<i>a</i> Wheat.	1	299.	Stone, W. H., Shallotte. Corn.	2
	<i>b</i> Corn.	2	300.	Stowe, Jasper, Bilmont. Corn.	2
	<i>c</i> Oats.	3	301.	Stronach, W. C., Raleigh. Corn.	2
	<i>d</i> Rye.	5	302.	Stroup, Moses, Snapp.	
263.	Robinson, J. M., Burnsville.		<i>a</i> Wheat.		1
	<i>a</i> Wheat.	1	<i>b</i> Oats.		3
	<i>b</i> Oats.	3	303.	Strupe, W. C., & Sons, Clemmers-	
	<i>c</i> Buckwheat.	7	ville. Wheat.		1
264.	Robinson, Col. Jno., Raleigh.		304.	Sturdivant, J. N., Rushing.	
	<i>a</i> Corn.	2	<i>a</i> Wheat.		1
	<i>b</i> Pease.	9	<i>b</i> Corn.		2
265.	Robinson, J. W., Hickory.		305.	Sullivan, Elias, Institute. Rice.	6
	<i>a</i> Corn.	2	306.	Sulton, O. W., Mt. Olive.	
	<i>b</i> Rye.	5	<i>a</i> Corn.		2
	<i>c</i> Grass.	8	<i>b</i> Rye.		5
266.	Robinson, M. B., Burnsville. Corn.	2	<i>c</i> Pease.		9
267.	Rogers, D., Cullowhee. Wheat.	1	307.	Summers, T. I., Snow Creek.	
268.	Roper, J. W., Pineville. Pease.	9	<i>a</i> Wheat.		1
269.	Rowe, D. P., Newton.		<i>b</i> Oats.		3
	<i>a</i> Wheat.	1	308.	Swicegood, G. W., Jerusalem. Corn.	2
	<i>b</i> Clover seed.	8	309.	Swicegood, H. H., Tennyson. Corn.	2
270.	Rubin, G., Asheville. Wheat.	1	310.	Taylor, B. W., Shine.	
271.	Ruck, C., Cester's Mills. Pease.	9	<i>a</i> Wheat.		1
272.	Rucker, W. H., Green Hill. Wheat.	1	<i>b</i> Rye.		5
273.	Rust, J. R., Bridgewater.		311.	Taylor, Geo., Fort Barnwell.	
	<i>a</i> Oats.	3	<i>a</i> Corn.		2
	<i>b</i> Barley.	4	<i>b</i> Rye.		5
	<i>c</i> Rye.	5	<i>c</i> Pease.		9
	<i>d</i> Buckwheat.	7	312.	Taylor, T. F., Idlewild. Buckwheat.	7
	<i>e</i> Pease.	9	313.	Terrell, W. S., Sonoma.	
274.	Sanborn, G. C., Snowden. Corn.	2	<i>a</i> Wheat.		1
275.	Sawer, J. M., Stecoah. Corn.	2	<i>b</i> Corn.		2
276.	Sawyer, W. R., Stonewall. Corn.	2	<i>c</i> Oats.		3
277.	Seaford, H. R., Tennyson. Oats.	3	<i>d</i> Rye.		5
278.	Seirvers, G. W., Daisy. Corn.	2	<i>e</i> Buckwheat.		7
279.	Shankle, Eli, Shankle.		314.	Thomas, H. C., Thomasville. Wheat.	1
	<i>a</i> Wheat.	1	315.	Thomas, Jas., Fayetteville	
	<i>b</i> Corn.	2	<i>a</i> Wheat.		1
	<i>c</i> Oats.	3	<i>b</i> Oats.		3
280.	Shipman, J. M., Clarkton. Pease.	9	316.	Thompson, Dr. C., Richlands. Oats.	3
281.	Shrum, Sol., Newton. Wheat.	1	317.	Thompson, J. L., Augusta. Wheat.	1

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318.	Thorn, Mrs. M. P., Elm City.	
	<i>a</i> Corn.	2
	<i>b</i> Oats.	3
	<i>c</i> Pease.	9
319.	Tucker, R. S., Raleigh. Clover seed.	8
320.	Tucker, W. T., Jerusalem. Oats.	3
321.	Upchurch, W. G., Raleigh.	
	<i>a</i> Wheat.	1
	<i>b</i> Corn.	2
	<i>c</i> Oats.	3
322.	Vanhook, C., Franklin. Wheat.	1
323.	Walker, J. B., Rutherfordton.	
	Wheat.	1
324.	Walker, T. J., Columbia. Corn.	2
325.	Walton, H. H., Morganton.	
	<i>a</i> Wheat.	1
	<i>b</i> Corn.	2
	<i>c</i> Rye.	5
326.	Ward, S. H., Jamestown.	
	<i>a</i> Wheat.	1
	<i>b</i> Oats.	3
327.	Warmack, J. C., Clemmons ville.	3
	Oats.	3
328.	Watson, M., Andrews.	
	<i>a</i> Oats.	3
	<i>b</i> Rye.	5
	<i>c</i> Pease.	9
329.	Watson, Mrs. W. F., Scotland Neck.	
	<i>a</i> Corn.	2
	<i>b</i> Pease.	9
330.	Welch, J. C., High Point.	
	<i>a</i> Wheat.	1
	<i>b</i> Oats.	3
331.	Westfeldt, J. R., Fletcher.	
	<i>a</i> Corn.	2
	<i>b</i> Oats.	3
	<i>c</i> Rye.	5
332.	Wharton, R. W., Washington.	
	<i>a</i> Corn.	2
	<i>b</i> Oats.	3
	<i>c</i> Pease.	9
333.	Whitaker, W. C., Enfield. Rice.	6
334.	White, Rufus, Belvidere. Rice.	6
335.	Whitesell, J. C., Eton College.	
	<i>a</i> Wheat.	1
	<i>b</i> Corn.	2
	<i>c</i> Oats.	3
336.	Whitson, J. M., Manteo.	
	<i>a</i> Corn.	2
	<i>b</i> Pease.	9
337.	Wilde, T. F., Marshall.	
	<i>a</i> Wheat.	1
	<i>b</i> Corn.	2
	<i>c</i> Oats.	3
338.	Williams, H. C., Willeyton.	
	<i>a</i> Corn.	2
	<i>b</i> Oats.	3
	<i>c</i> Rice.	6
339.	Williams, J. C., Winslow.	
	<i>a</i> Wheat.	1
	<i>b</i> Corn.	2
	<i>c</i> Oats.	3
	<i>d</i> Rye.	5
	<i>e</i> Pease.	9
340.	Williams, J. M., Clover. Corn.	2
341.	Williams, W. F., Cairo. Rye.	5
342.	Wilson, R. W., Newton. Buck- wheat.	7
343.	Winslow, D. E., Nicanor. Rice.	6
344.	Wolfe, A. A., Pittsboro.	
	<i>a</i> Wheat.	1

	<i>b</i> Corn.	2
	<i>c</i> Oats.	3
	<i>d</i> Buckwheat.	7
345.	Wolfe & Morrow, Pineville. Pease.	9
346.	Wolf, Jas., Asheville. Oats.	3
347.	Wood, J. H., Weldon. Pease.	9
348.	Woolf, J. A., Rural Hall.	
	<i>a</i> Wheat.	1
	<i>b</i> Corn.	2
349.	Wooten, S. J., LaGrange. Rice.	6
350.	Wyatt, E. R. Raleigh. Pease.	9
351.	Wyatt, L. R., Raleigh.	
	<i>a</i> Wheat.	1
	<i>b</i> Corn.	2
	<i>c</i> Oats.	3
	<i>d</i> Pease.	9
352.	Yost, J. A., Salisbury.	
	<i>a</i> Oats.	3
	<i>b</i> Buckwheat.	7
353.	Ziegler, J., Bethania. Wheat.	1

GROUP 3.

354.	Alinge, Barond', Biltmore. Sorghum.	24
355.	Baldwin, T. M., Rise. Sorghum.	24
356.	Biggerstaff, A. W., Lincolnton. Sorghum.	24
357.	Blue, John, Laurinburg. Sugar cane syrup.	18
358.	Bowditch, J. A., Micaville. Sorghum.	24
359.	Brickett, W. J., Knob Creek. Sorghum.	24
360.	Brown, G. T., Harts. Sorghum.	24
361.	Brown, R. A., Wilson's Store. Sorghum and cane seed.	24
362.	Bryson, S. H., Balsam. Sorghum.	24
363.	Canup, C., Salisbury. Sorghum.	24
364.	Carr, R. D., Xenia. Sorghum.	24
365.	Cathey, L. S., Mt. Holly. Sorghum.	24
366.	Chamblee, W. H., Wakefield. Sorghum.	24
367.	Clark, H., Rocky Mount. Sorghum.	24
368.	Davis, T. W., Creek. Sorghum.	24
369.	Dunston, Dr. H. Y., Windsor. Sorghum.	24
370.	Edmundson, A. J., Shine. Sorghum.	24
371.	Estes, S. F., Upton. Sorghum.	24
372.	Etheridge, E. E., Colerain. Sorghum.	24
373.	Gibbs, W. F., Bridgewater. Sorghum.	24
374.	Graham, W. A., Machpelah. Sorghum.	24
375.	Green, T. L., Williamstown. Sorghum.	24
376.	Harris, F. C., Pineville. Sorghum.	24
377.	Harrison, H. S., Medoc. Sorghum.	24
378.	Hester, A. J., Winstead. Sorghum.	24
379.	High, A. A., Whiteville. Sorghum.	24
380.	Hines, A. H., Waynesville. Sorghum.	24
381.	Hodges, J. D., Augusta. Sorghum.	24
382.	Lenoir, R. T., Yadkin Valley. Sorghum.	24
383.	Lyda, T. A. W., Maxwell. Sorghum.	24
384.	Lynch, M. K., Darlington. Sorghum.	24
385.	McAnally, R. P., Saxon. Sugar.	24
386.	McByrd, J. A., Antioch. Sorghum.	24
387.	McIver, Alix., Egypt. Sorghum.	24
388.	McLain, D. L., Maxton. Sorghum.	24
389.	McLeod, J. A., Euphronia. Sorghum.	24
390.	Moye, A. J., Farmville. Sorghum.	24
391.	Pharr, W. S., Charlotte. Sorghum.	24
392.	Prince, M. B., Henderson. Sorghum.	24
393.	Robinson, J. M., Burnsville. Sorghum.	24

DEPARTMENT A.—AGRICULTURE.

394. Sawyér, W. R., Stonewall. Sorghum. 24
 395. Spikes, H., Fieldsboro. Cane seed. 24
 396. Tinley, J. H., Edneyville. Sorghum. 24
 397. Tucker, J. T., Lane's Creek. Sorghum. 24
 398. Watson, Mrs. T. B., Ridgeway. Sorghum syrup. 18
 399. Whitesell, J. C., Elon College. Sorghum. 24
 400. Wilde, T. F., Marshall. Sorghum. 24
 401. Williams, J. C., Willeyton. Sorghum. 24
 402. Williams, J. C., Winslow. Sorghum. 24
 403. Wolfe, A. A., Pittsboro. Sorghum. 24

GROUP 4.

404. Battle & Howard, Rocky Mount. Peanuts. 31
 405. Bloinger, L. A., Newton. Peanuts 31
 406. Boswell, W. F., Edenton. Peanuts. 31
 407. Bryân, J. A., Kenansville. Peanuts. 31
 408. Cannon, G. H., Town Creek. Peanuts. 31
 409. Carr, J. H., Xenia.
 a Chufas. 30
 b Peanuts. 31
 410. Early, A. W., Aulander. Peanuts. 31
 411. Edmundson, A. J., Shine. Peanuts. 31
 412. Etheridge, E. E., Colerain. Peanuts. 31
 413. Gamble, H. M., Salisbury. Peanuts. 31
 414. Gatling, J. J., Sarem. Peanuts. 31
 415. Gibbs, J. M., Joy. Peanuts. 31
 416. Gilmore, M., Egypt. Peanuts. 31
 417. High, A. J., Whiteville. Peanuts. 31
 418. Jordan, G. F., Bergaw. Peanuts. 31
 419. Kennedy, W. L., Lenoir. Peanuts. 31
 420. Lee, G. B., Rocky Point. Peanuts. 31
 421. Mason, J. W., Edenton. Peanuts. 31
 422. McIvor, M. A., Egypt. Peanuts. 31
 423. McLain, D. L., Maxton. Peanuts. 31
 424. McIntyre, E., Green Hill. Peanuts. 31
 425. Moye, A. J., Farmville. Peanuts. 31
 426. Newbury, H. E., Magnolia. Peanuts. 31
 427. Paul, E. B., Lumberton. Peanuts. 31
 428. Perry, J. W., Leewood. Peanuts. 31
 429. Pharr, W. S., Charlotte. Peanuts. 31
 430. Prince, M. B., Henderson. Peanuts. 31
 431. Ricks, R. H., Rocky Mount. Peanuts. 31
 432. Seymour, J. & W., Sligo. Peanuts. 31
 433. Southerland, D. D., Laurinburg. Peanuts. 31
 434. Stanton, D. M., La Grange. Peanuts. 41
 435. Stokes, J. B., Windsor. Peanuts. 31
 436. Tinley, J. H., Edneyville. Peanuts. 31
 437. Thames, Jas., Fayetteville. Peanuts. 31
 438. Thorn, Mrs. M. P., Elm City. Peanuts. 31
 439. Walker, S. J., Columbia. Peanuts. 31
 440. Watson, Mrs. W. F., Scotland Neck. Peanuts. 31
 441. Wharton, R. W., Washington. Peanuts. 31
 442. Williams, H. C., Willeyton. Peanuts. 31
 443. Williams, J. C., Winslow. Peanuts. 31

GROUP 5.

444. Alinge, Baron d', Asheville. Teosinte roots. 32
 445. Bolinger, L. A., Newton. Beans. 32
 446. Boyce, W. W., Pineville. Kaffir corn. 32
 447. Bowditch, J. A., Micaville. Beans and sunflower seed. 32
 448. Branch, W. E., Enfield. Beans. 32
 449. Carr, J. H., Xenia. Tuberose bulbs. 32
 450. Davis, W. E., Creek. Beans. 32

451. Deald, M. S., Newton. Beans. 32
 452. Emery, F. E., Raleigh. Beans. 32
 453. Etheridge, E. E., Colerain. Beans. 32
 454. Holt & Homewood, Burlington. Broom corn. 32
 455. Lowman, M., Connelly Springs. Beans. 32
 456. Miller, W. M., Burnsville. Beans. 32
 457. Moye, A. J., Farmville. Sunflower seed. 32
 458. Newberry, H. E., Magnolia. Deer tongue. 32
 459. Nothern, P. L., Snowden. Beans. 32
 460. Perry, J. W., Leewood. Beans. 32
 461. Prince, M. B., Henderson. Broom corn. 32
 462. Ricks, R. H., Rocky Mount. Beans. 32
 463. Riggan, R. H., Edwardsville. Beans. 32
 464. Rust, J. R., Bridgewater. Beans. 32
 465. Sanborn, G. C., Currituck. Sunflower seed. 32
 466. Sherrill, Elbert, Sherrill Ford. Beans. 32
 467. Taylor, Mrs. L. C., Morganton. Beans. 32
 468. Vail, J. G., Morganton. Beans. 32
 469. Wilde, T. F., Marshall. Beans. 32
 470. Williams, H. C., Willeyton. Beans. 32
 471. Woolf, J. A., Rural Hall. Beans. 32

GROUP 8.

472. Holt & Homewood, Burlington. Hops. 46
 473. Smith, Mrs. J. M., Fayetteville. Uncolored tea. 45

GROUP 9.

474. Archer, J. T., Jackson. Cotton lint, seed and bolls. 53
 475. Bateman, J. S., Creswell. Cotton lint, seed and bolls. 53
 476. Biggerstaff, A. W., Lincolnton. Cotton lint, seed and bolls. 53
 477. Brown, R. A., Wilson's Store. Cotton lint, seed and bolls. 53
 478. Butler, M. F., Rutherfordton. Cotton lint, seed and bolls. 53
 479. Cannon, G. H., Iron Creek. Cotton lint, seed and bolls. 53
 480. Carr, J. H., Xenia. Cotton lint, seed and bolls. 53
 481. Carthey, L. G., Mt. Holly. Cotton lint, seed and bolls. 53
 482. Charles, J. N., Jerusalem. Cotton lint, seed and bolls. 53
 483. Creekmore, W. P., Moyock. Cotton lint, seed and bolls. 53
 484. Davis, W. E., Creek. Cotton lint, seed and bolls. 53
 485. Dunston, Dr. H. Y., Windsor. Cotton lint, seed and bolls. 53
 486. Edmundson, A. J., Shine. Cotton lint, seed and bolls. 53
 487. Etheridge, E. E., Colerain. Cotton lint, seed and bolls. 53
 488. Evans, J. & O., Fayetteville. Cotton lint, seed and bolls. 53
 489. Gibson, J. B., Maxton. Cotton seed. 53
 490. Graham, W. A., Machpelah. Cotton lint, seed and bolls. 53
 491. High, A. H., Whiteville. Cotton lint, seed and bolls. 53
 492. Holt, T. M., Linwood. Cotton lint, seed and bolls. 53
 493. Holt & Homewood, Burlington. Flax. 59

UNITED STATES.

494. Kennedy, W. L., Falling Creek. Cotton lint, seed and bolls. 53
495. Lane, Danl., Bellair. Cotton lint, seed and bolls. 53
496. MacGregor, B. F., Conclave. Cotton lint, seed and bolls. 53
497. McByrd, J. A., Antioch. Cotton lint, seed and bolls. 53
498. McIver, M. H., Egypt. Cotton lint, seed and bolls. 53
499. McLain, D. L., Maxton. Cotton lint and bolls. 53
500. Morrow, J. W., Pineville. Cotton lint, seed and bolls. 53
501. Moye, A. J., Farmville. Cotton lint and seed. 53
502. Pharr, W. S., Charlotte. Cotton lint and seed. 53
503. Pleasant, J. T., Pernell. Cotton lint, seed and bolls. 53
504. Relfe, L. C., Durant's Neck. Cotton lint and seed. 53
505. Ricks, R. H., Rocky Mount. Cotton seed and bolls. 53
506. Rowe, D. P., Newton. Cotton lint, seed and bolls. 53
507. Spikes, Henry, Fieldsboro. Cotton lint, seed and bolls. 53
508. Stone, W. H., Shallotte. Cotton lint, seed and bolls. 53
509. Sturdivant, J. N., Rushing. Cotton lint, seed and bolls. 53
510. Sutton, O. W., Mt. Olive. Cotton lint, seed and bolls. 53
511. Tucker, R. S., Raleigh. <i>a</i> Cotton bolls. 53 <i>b</i> Flaxseed. 59
512. Walters, J. F., Maxton. Cotton seed. 53
513. Watson, Mrs. W. F., Scotland Neck. Cotton lint and seed. 53
514. Westbrook, J. H., Rocky Point. Cotton seed and lint. 53
515. Wharton, R. W., Washington. Cotton lint, seed and bolls. 53

516. Williams, H. C., Willeyton. Cotton lint, seed and bolls. 53
517. Williams, J. C., Winslow. Cotton lint, seed and bolls. 53
518. Williams, J. M., Clover. Cotton lint, seed and bolls. 53
519. Wood, J. H., Neldon. Cotton lint and seed. 53

GROUP 16.

520. Townsend, J. L., Fulmore. Stalk cutter. 88

GROUP 17.

521. Battle, Gaston, Rocky Mount. Soil from cotton land. 93
522. Carter, W. S., Fairfield. Soil from corn land. 93
523. Currin, J. M., Oxford. Soil from tobacco land. 93
524. French Bros., Rocky Point. Lime, rock and marl. 93
525. Gwyn, R. L., Mt. Airy. Soil from grain land. 93
526. Hackburn & Milletts, Newbern. Soil from trucking land. 93
527. Holt, T. M., Linwood. Soil from grain land. 93
528. Hoyt, Jno. K., Luther. Soil from apple land. 93
529. Kidder, Fred., St. Philips. Soil from rice land. 93
530. Porter, R. L., Franklin. Soil from grass and grain land. 93
531. Stevens, W. E., Clinton. Soil from fruit land. 93
532. Stowe, Jasper, Belmont. Soil from grain land. 93
533. Tarbell, C. D., Southern Pines. Soil from fruit land. 93
534. Tucker, R. S., Raleigh. Soil from grass and grape land. 93
535. Williams, H. C., Willeyton. Soil from peanut land. 93
536. Wilson, A. E., Montezuma. Soil from grass and grain land. 93

NORTH DAKOTA.

GROUP 1.

1. Allen, J. J., Bismarck. Oats. 3
2. Beaty, O. K., Carrington. Rye. 5
3. Bolton, Thomas, Park River. Oats. 3
4. Casey, L. R., Carrington. Wheat. 1
5. Couch, W. B., Bismarck. Oats. 3
6. Eckland, John, Eckland. Oats. 1
7. Engle, M. J., Lisbon. Wheat. 1
8. Ferris, Charles, Bismarck. Corn. 2
9. Field, J. A., Bismarck. Wheat. 1
10. Fisk, W. H., Carrington. Rye. 5
11. Fletcher, Alfred, Jamestown. Wheat. 1
12. Fullen, William, Ripon. Corn. 2
12. Gamble, Alexander, Fargo. Wheat. 1
14. Hall, Ralph, Carrington. Wheat. 1
15. Haynes, L. H., Fargo. Wheat. 1
16. Hayes, W. M., Fargo. <i>a</i> Wheat. 1 <i>b</i> Oats. 3
17. Hiatt, W. G., Power. Corn. 2

18. Hocking, John G., Ripon. Corn. 2
19. Hopes, John, Bismarck. Wheat. 1
20. Johnson, Alfred, Painted Woods. Corn. 2
21. Keep, J. M., Fargo. Oats. 3
22. Killian, Fred., Bismarck. Oats. 3
23. Lewis, Ida, Bismarck. Corn. 2
24. McBride, J. H., Bismarck. Oats. 3
25. McCauley, George, Bismarck. Corn. 2
26. McDonald, J. L., Bismarck. Oats. 3
27. McGarvey, James, Bismarck. Oats. 3
28. McHench, Andrew, Fargo. Oats. 3
29. McMahan, J., Fargo. Corn. 2
30. McPherson, John, McKinzie. Corn. 2
31. Margeson, Ole, Grass Lake. Wheat. 1
32. Meachem, O. J., Carrington. <i>a</i> Wheat. 1 <i>b</i> Rye. 5
33. Murphy Bros., Carrington. Wheat. 1
34. Nichols, John, Bismarck. Corn. 2

DEPARTMENT A.—AGRICULTURE.

35. Norton, John, Bismarck. Corn.	2	43. Sleepen, Wm., Grass Lake. Wheat.	1
36. Oleson, Andrew, Eckland. Wheat.	1	44. Sperry, E. H., Bismarck. Corn.	2
37. Page, E. M., Carrington. Rye.	5	45. Sweeney, Wm., Carrington. Wheat.	1
38. Parkin, H. S., Cannon Ball. Corn.	2	46. Tyler, E. S., Fargo. Wheat.	1
39. Power, J. B., Power. Corn.	2	47. Tubbs, W. E., Mandan. Corn.	2
40. Quinlan, John, Bismarck.		48. Willey, Will, Bismarck. Corn.	2
<i>a</i> Wheat.	1	49. Wilcox, Mrs. Peter, Bismarck. Corn.	2
<i>b</i> Oats.	3	50. Wells, E. P., Jamestown. Oats.	3
41. Robinson, Wm., Carrington. Rye.	5	51. Wade, I. C., Jamestown. Oats.	3
42. Sears, E. L., Ripon. Corn.	2		

OHIO.

Group 1.

1. Allen, Joseph, Gano. Wheat in straw.	1	31. Culbertson, Joseph, Grand Rapids.	
2. Aple, Henry, Haskins. Wheat.	1	<i>a</i> Wheat.	1
3. Bailey, John, Scotch Ridge. Wheat in straw.	1	<i>b</i> Corn.	2
4. Baker, Charles, Delaware. Corn.	2	<i>c</i> Oats.	3
5. Baker, Samuel, Weston.		32. Demis, L. J., Maumee. Wheat in straw.	1
<i>a</i> Wheat.	1	33. Deweese & Son, Weston. Wheat.	1
<i>b</i> Oats.	3	34. Ellis S. H., Springboro.	
6. Bamer, John, Grand Rapids. Wheat.	1	<i>a</i> Corn.	2
7. Bandeen, A., Haskins. Wheat in straw.	1	<i>b</i> Grass seed.	8
8. Benschuter, J. S., Grand Rapids. Oats.	3	35. Emerick, Geo., Haskins. Wheat in straw.	1
9. Beverage, S. F., Athens County. Corn.	2	36. Erwin, Cornelius, Butler County. Corn.	2
10. Beverstock, Edward, Tontogany. Corn.	2	37. Farnsworth, Watson, Waterville. Oats.	3
11. Biddell, James, Weston. Oats.	3	38. Foot, Joel, Tontogany. Wheat in straw.	1
12. Biddell, J. H., Weston. Wheat in straw.	1	39. Fillmore, Jas., Weston. Corn.	2
13. Blodgett, James, Weston. Corn.	2	40. French, B. A., Lenox. Wheat in straw.	1
14. Bonham, L. N., Oxford.		41. Fuller, A. B., Bowling Green. Corn.	2
<i>a</i> Oats.	3	42. Gillespie, J. L., Monroe County. Corn.	2
<i>b</i> Grass seed.	8	43. Gumm, M. B., North Madison. Wheat in straw.	1
15. Brandt, Fred J., Bowling Green. Corn.	2	44. Hackerman, D. J., Neopolis.	
16. Bringham, J. H., Fulton. Oats.	3	<i>a</i> Corn.	2
17. Brown, Elwood, Weston. Corn.	2	<i>b</i> Grass seed.	8
18. Burshoter, J. S., Grand Rapids. Grass seed.	8	45. Hall, David, Bloom Center.	
19. Brown, Morgan, Tontogany. Wheat.	1	<i>a</i> Wheat.	1
20. Brown, Wm., Weston.		<i>b</i> Corn.	2
<i>a</i> Wheat.	1	<i>c</i> Grass seed.	8
<i>b</i> Oats.	3	46. Hance, Ed., Grafton. Wheat in straw.	1
21. Brown, T. J., Logan. Wheat in straw.	1	47. Hannah, Wm., Tontogany. Corn.	2
22. Brown, W. H., Saybrook. Wheat in straw.	1	48. Harper, J. C., Limerick. Wheat in straw.	1
23. Cling, Amos, Marion. Grass seed.	8	49. Harrison, W. G., Carlton. Wheat in straw.	1
24. Coe, B. E., Weston.		50. Harris, Joseph, Butler County. Corn.	2
<i>a</i> Wheat.	1	51. Heckerman, D. J., Neopolis.	
<i>b</i> Corn.	2	<i>a</i> Corn.	2
<i>c</i> Oats.	3	<i>b</i> Grass seed.	8
25. Corwin, D. F., Warren County. Corn.	2	52. Horn, Jos., Bowling Green. Corn.	2
26. Corwin, D. J., Warren County.		53. Huber, Allen, Logan County. Corn.	2
<i>a</i> Wheat.	1	54. Jewell, Geo., Weston. Corn.	2
<i>b</i> Oats.	2	55. Jewell, Young, Defiance. Wheat in straw.	1
27. Corwin, E. J., Warren County.		56. Jones, Elmer, Weston. Wheat in straw.	1
<i>a</i> Wheat in straw.	1	57. Jones, Wm., Weston.	
<i>b</i> Corn.	2	<i>a</i> Wheat.	1
28. Crofts, Thos., Toledo.		<i>b</i> Corn.	2
<i>a</i> Oats.	3	<i>c</i> Oats.	3
<i>b</i> Grass seed.	8	58. Keckley, Jos., Marysville. Corn.	2
29. Cross, Thomas, Toledo. Corn.	2		
30. Culbertson, Eli, Grand Rapids.			
<i>a</i> Wheat in straw.	1		
<i>b</i> Oats.	3		

UNITED STATES.

59. Kelley, W. A., Kenton. Wheat in straw.	1
60. Kelly, John H., Sulphur Springs. Corn.	2
61. Knowlton, Levi, Licking County. Corn.	2
62. Logan, Henry, Athens. Wheat in straw.	1
63. Mamer, John, Grand Rapids. Wheat in straw.	1
64. Mann, A., Bowling Green. Corn.	2
65. Martin, Mm., Weston.	
<i>a</i> Wheat in straw.	1
<i>b</i> Corn.	2
<i>c</i> Oats.	3
66. Martin, William, Weston.	
<i>a</i> Wheat in straw.	1
<i>b</i> Corn.	2
<i>c</i> Oats.	3
67. McKane, Scotch Ridge. Wheat in straw.	1
68. Mitchell, H., Bowling Green. Wheat in straw.	1
69. Neifer, Albert, Weston.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
<i>c</i> Grasses and grass seeds	8
70. Neifer, E. C., Tontogany. Wheat.	1
71. Nichols, Robert, Butler County. Corn.	2
72. Ohio Agricultural Experiment Station.	
<i>a</i> Wheat in straw.	1
<i>b</i> Oats.	3
73. Pettys, Lester, Weston. Wheat.	1
74. Phillips, Henry, Toledo. Grass seed.	8
75. Powell, Frank, Haskins. Oats.	3
76. Potter, Henry, Tontogany.	
<i>a</i> Wheat.	1
<i>b</i> Oats.	3
77. Powell, J. W., Benton. Wheat in straw.	1
78. Pugh, Wm., Weston. Oats.	3
79. Roe, Jas., Weston. Wheat in straw.	1
80. Ross, William, Weston. Oats.	3
81. Russ, Wm., Weston.	
<i>a</i> Wheat in straw.	1
<i>b</i> Oats.	3
82. Santer, Jacob, Weston. Wheat in straw.	1
83. Sawyer, R.E., Tiro. Wheat in straw.	1
84. Shafer, S. H., Logan County. Corn.	2
85. Shroyer, T., Preston. Wheat in straw.	1
86. Simms, Ewing, Eugene. Corn.	1
87. Simmons, Frank, Bloom Center.	
Oats.	3
88. Soash, W. O., Tontogany. Wheat.	1
89. Sterns, John, Weston. Wheat in straw.	1
90. St. John, J. F., Elroy. Wheat in straw.	1
91. Stretchberry, James, Weston. Corn.	2
92. Stretchberry, Wm., Weston.	
<i>b</i> Wheat.	1
<i>a</i> Corn.	2
93. Tone, Lewis, Weston. Corn.	2
94. Wade, Ojeda, Weston. Corn.	2
95. Wan, J. H., Richards. Wheat in straw.	1
96. Weeks, Amos, Lima. Wheat in straw.	1
97. Western Cemetery Association, Weston. Grass seed.	8

98. Whipps, W. H., Marion.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
<i>c</i> Oats.	3
99. Whipp, W. D., Marion. Corn.	2
100. Williams, Berry, Buter County. Corn.	2
101. Williamson, S., Buter County. Wheat in straw.	1
102. Williamson, S., Butler. Wheat in straw.	1
103. Winchester, W. R., Adams County. Wheat in straw.	1

GROUP 5.

104. Croft, Thomas, Toledo. Vegetable seed.	32
105. Heckerman, David, Neopolis. Vegetable seeds.	32
106. Huber, Allen, Logan County. Ten varieties vegetable seed.	32
107. Johnson, Fred, Toledo. Vegetable seeds.	32
108. Neifer, Albert, Weston. 138 varieties of vegetables.	32

GROUP 8.

109. Aikey, J. C., Horatio. Dutch seed leaf tobacco.	48
110. Alexander, Joseph, Miamisburg. Spanish and Dutch seed leaf tobacco.	48
111. Andrews, Henry, Georgetown. White burley seed leaf tobacco.	48
112. Arnstatt, Val., Bantam. White burley seed leaf tobacco.	48
113. Baker, S. J., Arcanum. Pennsylvania seed leaf tobacco.	48
114. Beechler, Jonathan, Farmersville. Pennsylvania seed leaf tobacco.	48
115. Binkley, Henry, Miamisburg. Ohio and Dutch seed leaf tobacco.	48
116. Brown, Henry, Batavia. White burley seed leaf tobacco.	48
117. Burns, Thos. A., Versailles. Ohio and dutch seed leaf tobacco.	48
118. Busch, Lewis, Bantam. White burley seed leaf tobacco.	48
119. Clark, Anthony, Arcanum. Ohio seed leaf tobacco.	48
120. Coles, C. A., Farmersville. Spanish seed leaf tobacco.	48
121. Cox, Chas., Covington. Spanish seed leaf tobacco.	48
122. Davis, H. C., West Milton. Spanish seed leaf tobacco.	48
123. Duckwall, Batavia. White burley seed leaf tobacco.	48
124. Evans, W.H., Farmersville. Pennsylvania seed leaf tobacco.	48
125. Fley, Jacob, Georgetown. White burley seed leaf tobacco.	48
126. Gardner, Henry, Ripley. White burley seed leaf tobacco.	48
127. Hohn, Fred, Versailles. Ohio and Dutch seed leaf tobacco.	48
128. Hullser, Wm., Greenville. Ohio and Spanish seed leaf tobacco.	48
129. Judy, A. H., New Madison. Ohio seed leaf tobacco.	48
130. Keener, Solomon, Liberty. Pennsylvania seed leaf tobacco.	48
131. Kowler, Anthony, Ripley. White burley seed leaf tobacco.	48

DEPARTMENT A.—AGRICULTURE.

132. Kroffsinger, John, Versailles. Ohio seed leaf tobacco. 48
133. Lautz, John, Landis. Dutch seed leaf tobacco. 48
134. London, James E., Georgetown. White burley seed leaf tobacco. 48
135. Martin, S. C., Horatio. Dutch seed leaf tobacco. 48
136. Pangburn, Lines, Ripley. White burley seed leaf tobacco. 48
137. Patton, Cal., Liberty. Pennsylvania seed leaf tobacco. 48
138. Scott, Thos. S., Troy. Spanish seed leaf tobacco. 48
139. Shafer, Joseph, Cedar Hill. Dutch seed leaf tobacco. 48
140. Shock, D. W., Ansonia. Ohio seed leaf tobacco. 48
141. Smith, John W., Arcanum. Spanish seed leaf tobacco. 48
142. Sneider, Val., Ripley. White burley seed leaf tobacco. 48
143. Starrett, J. A., Troy. Ohio seed leaf tobacco. 48
144. Stillwell, John J., Troy. Ohio seed leaf tobacco. 48
145. Tatman, J. C., Batavia. White burley seed leaf tobacco. 48
146. Thalman, John, Stone Lick. White Burley seed leaf tobacco. 48
147. Thoma, Benj., Troy. Spanish seed leaf tobacco. 48
148. Weaver, Thos. H., Georgetown. White burley seed leaf tobacco. 48
149. Wissinger, John, West Milton. Spanish and Dutch seed leaf tobacco. 48
150. Yount, Peter, Gettsburg. Ohio seed leaf tobacco. 48
151. Zeller, Henry, Bloomers. Ohio seed leaf tobacco. 48
152. Zeller, Theo., West Milton. Spanish seed leaf tobacco. 48

GROUP 9.

153. Backston & Son, Hopedale. Wool. 60
154. Brocaw, Jacob, New Athens. Wool. 60
155. Brown, J. W., New Athens. Wool. 60
156. Cappenter, J. W., Bateville. Wool. 60
157. Cezatt, J., Tappan. Wool. 60
158. Craig, Walter, Cadiz. Wool. 60
159. Cusick, B., Marion. Wool. 60
160. Dahyer, John, Uniontown. Wool. 60
161. Dunlap, A. J., New Athens. Wool. 60
162. Dunlap, Hugh, New Athens. Wool. 60
163. Dunlap, Samuel M., Cadiz. Wool. 60
164. Ecleston & Son, Updegraf. Wool. 60
165. Furgeson, J. P., Fairpoint. Wool. 60
166. Garen, Archibald, Belmont Ridge. Wool. 60
167. Gillepsie, W. C. & Thos., Shepards-town. Wool. 60
168. Glover, G. W., Cadiz. Wool. 60
169. Griffin, Wm., Cadiz. Wool. 60
170. Hatfield, Nathan, Cadiz. Wool. 60
171. Hays, J. D., Lafferty. Wool. 60
172. Holms, Clifford, Cadiz. Wool. 60
173. Hull, Jacob & Son, Flushing. Wool. 60
174. Ladd, J., Belmont Ridge. Wool. 60
175. Lisle, David, & Son, Uniontown. Wool. 60
176. Lodge, Wm., Belmont Ridge. Wool. 60
177. Love, Thomas, Fairpoint. Wool. 60
178. McFadden, Samuel R., New Athens. Wool. 60
179. McKee, Henry, Cadiz. Wool. 60
180. Milliken, Wm., Cadiz. Wool. 60
181. Porter, B. S., Cadiz. Wool. 60
182. Ritchie, D. J., Uniontown. Wool. 60
183. Starr, Joseph, Updegraf. Wool. 60
184. Watson, John, Fairpoint. Wool. 60
185. Watson, John, New Athens. Wool. 60

PENNSYLVANIA.

GROUP 1.

1. Alten, J. S., McMinn. 1
<i>a</i> Wheat. 2
<i>b</i> Corn. 3
<i>c</i> Oats. 1
2. Allegheny County Home, Woodville. 5
Wheat. 1
2a. Amer, G. A., Bath. Rye. 1
3. Aten, H. A., Carnot. Wheat. 3
4. Aten, J., Sabveski, McMinn. Oats. 1
5. Baker, Thomas, Octoraro. 1
<i>a</i> Wheat. 3
<i>b</i> Oats. 7
6. Battin, B. F., Greenwood. Buck-wheat. 3
7. Bean, M. B., Dalton. Oats. 1
8. Benninger, W. M., Walnutport. 1
Wheat. 1
9. Bennison, S. H., Abdera. 3
<i>a</i> Wheat. 1
<i>b</i> Oats. 3
10. Beyer, Simon, Eyer's Grove. Oats. 3
11. Bierer, John L., Ft. Hunter. Wheat. 1
12. Bird, Charles, Millview. Corn. 2

13. Bittenbender, D. Y., Alburtis. Corn. 2
14. Blackburn, Wm. C., New Hope. 1
Wheat. 2
15. Blair, J. H., Bath. Corn. 2
16. Bohn, Edward K., Robesonia. 1
<i>a</i> Wheat. 3
<i>b</i> Oats. 1
17. Boose, A. J., Meyersdale. 1
<i>a</i> Wheat. 3
<i>b</i> Oats. 5
<i>c</i> Rye. 1
18. Botorf, P. F., Pine Grove Mills. 1
<i>a</i> Wheat. 3
<i>b</i> Oats. 3
19. Branson, D. H., Atglen. 2
<i>a</i> Corn. 3
<i>b</i> Oats. 1
20. Brewer, Clayton J., McConnellsburg. 1
Wheat. 2
21. Brown, J. M., Butztown. 1
<i>a</i> Wheat. 3
<i>b</i> Oats. 2
22. Bunting, J. M., Glen Mills. Corn. 2
23. Burpee, W. A., Philadelphia. Corn. 2

UNITED STATES.

24. Calvin, H. H., Dalton.	2	72. Hoffman, Peter, Scalp Level.	1
<i>a</i> Corn.	5	<i>a</i> Wheat.	3
<i>b</i> Rye.	1	<i>b</i> Oats.	1
25. Cary, G. W., Locust Lane. Wheat.	1	73. Hoy, H. K., Bellefonte. Wheat.	1
26. Clapp, Thomas L., Limestoneville.	2	74. Huber, David B., Neffsville. Oats.	3
Corn.	2	75. Hunter, J. A., Stormstown. Corn.	2
27. Clark, Wm. H., Oakdale Station.	1	76. Hurley, Wm. W., New Hope. Wheat.	1
Wheat.	2	77. Inscho, W. W., Canoe Camp. Buck-	7
28. Cloud, James, Oxford. Corn.	1	wheat.	7
29. Cloud, James, Russelville. Corn.	2	78. Jemkin, Joseph, Mercer.	2
30. Comact, G. A., Springville. Oats.	3	<i>a</i> Corn.	3
31. Comact, George W., Lynn. Wheat.	1	<i>b</i> Oats.	3
32. Conner, S. J., Berwick.	1	79. Kemmer, J. W., Nazareth. Wheat.	1
<i>a</i> Wheat.	3	80. Kendall, W. A., McConnellsburg.	2
<i>b</i> Oats.	1	<i>a</i> Corn.	2
<i>c</i> Rye.	5	<i>b</i> Timothy seed.	8
33. Conrad, Robert, Soleburg. Wheat.	1	81. Kester, N., Mardensville. Corn.	2
34. DeMatt, Cyrus, Millville. Corn.	2	82. King, Geo. D., Chadd's Ford Junction.	2
35. Derr, Jacob, Millville. Rye.	5	Corn.	2
36. Durst, George, Centre Hall. Wheat.	1	83. Knapp, C. F., Falls. Oats.	3
37. Eckert, Wm., Robesonia. Corn.	2	84. Kupp, H. S., Shiremanstown.	1
38. Engle & Son, H. M., Marietta. Corn.	2	<i>a</i> Wheat.	3
39. Evans, Francis, Brandywine. Wheat.	1	<i>b</i> Oats.	5
40. Evans, Samuel, Swarthmore. Wheat.	1	<i>c</i> Rye.	5
41. Everhart, John, Franklinville.	1	85. Lancaster, N. D., Chadd's Ford. Corn.	2
<i>a</i> Wheat.	3	86. Landis, Henry K., Lancaster. Wheat.	1
<i>b</i> Oats.	3	87. Lanesburg, John, Canoe Camp. Corn.	2
42. Everhart, John, Stormstown. Corn.	2	88. Lussey, S. C., Hollidaysburg. Corn.	2
23. Fansolo, David, Sunbury.	1	89. Madaro, Amos D., Robesonia. Oats.	3
<i>a</i> Wheat.	3	90. Martin, Wm. J., Catawissa. Wheat.	1
<i>b</i> Oats.	2	91. Mather, H. E., Greenwood. Corn.	2
44. Faresolo, David, Sunbury. Corn.	2	92. McChue, B. B., Bath. Wheat.	1
45. Faucett, Henry, Dilworthtown.	1	93. McClure, B. B., Bath. Corn.	2
<i>a</i> Wheat.	2	94. McGrau, J. G., Newry. Buckwheat.	7
<i>b</i> Corn.	1	95. McGrau, J. S., Newry. Oats.	3
46. Fause, B. B., Huntington. Wheat.	1	96. McGrau, John Y., Newry. Wheat.	1
47. Fink, Daniel F., Allentown.	1	97. McMan, J. J., Cheney. Corn.	2
<i>a</i> Wheat.	3	98. McNary, J. R., Burgettstown. Wheat.	1
<i>b</i> Oats.	5	99. McSparrow, James G., Furniss.	1
<i>c</i> Rye.	5	<i>a</i> Wheat.	3
48. Forney, M. J., East Petersburg. Rye.	5	<i>b</i> Oats.	3
49. Frain, Isaac S., Abdera. Oats.	3	100. Miller, Henry J., Catawissa.	1
50. Fulleroff, Howard, Centre Hall. Corn.	2	<i>a</i> Wheat.	2
51. Garrett, Wm. S., Chadd's Ford. Corn.	2	<i>b</i> Corn.	3
52. Gates, Luther & Son, Benore. Wheat.	1	<i>c</i> Oats.	5
53. Gibson, John M., Blairsville.	1	<i>d</i> Rye.	3
<i>a</i> Wheat.	2	<i>e</i> Buckwheat.	7
<i>b</i> Corn.	3	101. Miller, John, Brandywine. Wheat.	1
<i>c</i> Oats.	3	102. Miller, John, Frankstown. Rye.	5
54. Gibson, Michael, Mansfield. Oats.	3	103. Molyneuh, J. S., Millview. Wheat.	1
55. Glatt, John, Chadd's Ford. Corn.	3	104. Naginey, M. M., Milroy.	2
56. Gravell, David, Upper Providence.	1	<i>a</i> Corn.	3
Wheat.	2	<i>b</i> Oats.	5
57. Greider, M. G., Mount Joy. Wheat.	2	<i>c</i> Rye.	8
58. Griclen, L. M., Mount Joy. Oats.	3	<i>d</i> Timothy seed.	8
59. Grove, J. S., Tionesta. Corn.	2	105. Naginey, W. W., Milroy. Wheat.	1
60. Habbersell, E., Mt. Alverno. Wheat.	1	106. Nesbit, W. H., Milton. Corn.	2
61. Habersett, J. P., Knowlton.	1	107. Nesbit, W. N., Milton. Oats.	3
<i>a</i> Wheat.	1	108. Nichols, John, Brandenville.	1
<i>b</i> Corn.	2	<i>a</i> Wheat.	2
62. Haversett, Edmona, Mt. Alverno.	2	<i>b</i> Corn.	2
Corn.	2	109. Patterson, W. C., McConnellsburg.	8
63. Harvey, Abram, Brandywine. Corn.	2	Timothy seed.	8
64. Harvey, Ralph W., Ward. Wheat.	1	110. Patterson, W. C., State College.	1
65. Harvey, R. M., Ward. Corn.	2	<i>a</i> Wheat.	3
66. Heed, John C., West Chester. Corn.	2	<i>b</i> Oats.	3
67. Heil, J. D., Brodhead. Barley.	4	111. Piper, D. G., Locust Lane. Wheat.	1
68. Heister, Gabriel, Harrisburg. Wheat.	1	112. Pitts, John F., Mansfield. Wheat.	1
69. Hess, Jacob W., Oregon. Wheat.	1	113. Porter, Wm. A., Franklinville.	1
70. Heyburn, C. R., Camp Ground. Corn.	1	<i>a</i> Wheat.	2
71. Heyburn, M. S., Brandywine. Corn.	2	<i>b</i> Corn.	3
		<i>c</i> Oats.	5
		114. Ream, Henry, Neffsville. Rye.	5

DEPARTMENT A.—AGRICULTURE.

115. Reeder, E., New Hope.		136. Thatcher, Howard, Brandywine.	
<i>a</i> Corn.	2	<i>a</i> Wheat.	1
<i>b</i> Oats.	3	<i>b</i> Corn.	2
116. Reese, Wm., Greenwood.	Corn. 2	137. Tompson, E. A., Beech Cliff.	Wheat. 1
117. Robinson, Chas., Mercer.	Corn. 2	138. Tussey, A. C., Hollidaysburg.	Wheat. 1
118. Robinson, Wm. M., Mooresburg.	Corn. 2	139. U. S. Indian School, Carlisle.	
119. Robb, John D., Oakdale Station.		<i>a</i> Wheat.	1
Wheat.	1	<i>b</i> Corn.	2
120. Rothrock, David, Bellefonte.	Wheat. 1	<i>c</i> Oats.	3
121. Sahn, Aaron, Neffsville.	Oats. 3	140. Walter, Reno, Mifflinburg.	Wheat. 1
122. School, W. L., West Newton.		141. Warman, Thos., Bath.	
<i>a</i> Wheat.	1	<i>a</i> Corn.	2
<i>b</i> Corn.	2	<i>b</i> Buckwheat.	7
123. Schweitzer, R. T., Bethlehem.	Oats. 3	142. Weimer, Peter, Wittenberg.	Buck- wheat. 7
124. Scott, Alexander, Concordville.		143. Wolfe, John, Rebersburg.	Wheat. 1
Wheat.	1	144. Woodbridge, J. A., Dalton.	Oats. 3
125. Seat, Howard E., Chadd's Ford Junction.	Corn. 2	145. Young, A. P., Milville.	
126. Shamapelt, Wm., Brinkerton.	Corn. 2	<i>a</i> Wheat.	1
127. Shannafelt, Wm., Brinkerton.	Wheat. 1	<i>b</i> Corn.	2
128. Sherwood, G. K., Falls.		<i>c</i> Oats.	3
<i>a</i> Wheat.	1	146. Young, J. W., Romola.	Oats. 3
<i>b</i> Oats.	3	147. Zeigler, John W., Rebersburg.	Wheat. 1
129. Shivery, D. H., Bellefonte.	Barley. 4	148. Zeisenheim, C., Girard.	
130. Smith, Casper, Farmer's Valley.	Corn. 2	<i>a</i> Oats.	3
131. Smith, Gasper, Farmers Valley.	Corn. 2	<i>b</i> Barley.	4
132. Smith, Joel, Glenburn.	Oats. 3		
133. Smith, S. W., Centre Hall.	Oats. 3	Group 9.	
134. Snowberger, J. B., McKee's Gap.		149. Woman's Silk Culture Ass'n., Phila- delphia.	C-A-1
Corn.	2	<i>a</i> Silk products representing silk cul- ture in the U. S.	
135. Snyder, G. S., Middleburg.		<i>b</i> Cocoons	
<i>a</i> Wheat.	1	<i>c</i> Silk flags and American-made reels.	61
<i>b</i> Corn.	2		

SOUTH DAKOTA.

GROUP 1.

1. Abbott, Wm., Tyndall.	Glass. 8	18. Boek, O., Madison.	Oats. 3
2. Ackles, W. B., Spearfish.	Wheat. 1	19. Borne, Fred, Watertown.	
3. Alen, Mrs. S., Elk Point.	Corn. 2	<i>a</i> Wheat.	1
4. Alexander, J. B., Watertown.	Wheat. 1	<i>b</i> Oats.	3
5. Atten, C., Center.	Wheat. 1	20. Bowman, Wm., Spearfish.	Oats. 3
6. Avery, I., Brookings.	Millet. 8	21. Bradley, D. W., Watertown.	Oats. 3
7. Babb, M. L., Mitchell.		22. Bridenbaugh, C., Fire Steel.	Wheat. 1
<i>a</i> Wheat.	1	23. Briggs, Alfred, Watertown.	Oats. 3
<i>b</i> Grasses.	8	24. Brown, Chet, Mitchell.	
8. Babcock, Ira & Jay C., Sioux Falls.		<i>a</i> Corn.	2
<i>a</i> Oats.	3	<i>b</i> Rye.	5
<i>b</i> Barley.	4	<i>c</i> Grass.	8
9. Bachman, C. F., Watertown.	Wheat. 1	25. Brown, Crawford, Kampeska.	Wheat. 1
10. Balenger, C., Vermillion.	Corn. 2	26. Brubacher, J. A., Elk Point.	Corn. 2
11. Ball, Isaac, Watertown.		27. Bruce, Charles, Yankton.	Wheat. 1
<i>a</i> Wheat.	1	28. Bryant, C. H., Sioux Falls.	Blue joint grass. 8
<i>b</i> Oats.	3	29. Bryany, W. H., Ellis.	
12. Ball, James G., Watertown.	Oats. 3	<i>a</i> Wheat.	1
13. Bartlett, George, Watertown.		<i>b</i> Oats.	3
<i>a</i> Wheat.	1	30. Caldwell, W. A., Brookings.	Wheat. 1
<i>b</i> Oats.	3	31. Carlson, C. A., Beresford.	
14. Belding, D. K., Palatine.	Grass. 8	<i>a</i> Wheat.	1
15. Benjamin, D. F., Beresford.		<i>b</i> Corn.	2
<i>a</i> Wheat.	1	<i>c</i> Oats.	3
<i>b</i> Corn.	2	32. Carlson, J., Mitchell.	
<i>c</i> Oats.	3	<i>a</i> Wheat.	1
<i>d</i> Grass.	8	<i>b</i> Grass.	8
16. Bergstresser, Fred, Wentworth.		33. Carpenter, George, Watertown.	Oats. 3
Grasses.	8	34. Carter, P., Elk Point.	Corn. 2
17. Bland, Arthur, Civil Bend.	Corn. 2	35. Chansee, A., Elk Point.	Corn. 2

UNITED STATES.

36. Clark, C., Mitchell.		74. Groves, J. A., Dexter.	
<i>a</i> Wheat.	1	<i>a</i> Oats.	3
<i>b</i> Corn.	2	<i>b</i> Buckwheat.	7
37. Clark, F. H., Plankinton.		75. Haight, Jessie, Watertown.	
<i>a</i> Corn.	2	<i>a</i> Wheat.	1
<i>b</i> Oats.	3	<i>b</i> Oats.	3
<i>c</i> Grass.	8	76. Hajen, I. W., Fairburn. Wheat.	1
38. Coleman, C. M., Folsom. Corn.	2	77. Hall, J. B., Mitchell.	
39. Colgan, Hugh, Tyndall. Grass.	8	<i>a</i> Wheat.	1
40. Conrad, Edward, Orland. Wheat.	1	<i>b</i> Corn.	2
41. Cook, John, Stover. Grass.	8	<i>c</i> Barley.	4
42. Cosand, Charles F., Hartford. Hungarian grasses.	8	<i>d</i> Grass.	8
43. Cowles, E. D., Vermillion.		78. Hanson, C. P., Alexandria. Wheat.	1
<i>a</i> Wheat.	1	79. Hanson, John, Hermosa. Rye.	5
<i>b</i> Corn.	2	80. Harriman, Wm., Spearfish. Oats.	3
44. Crandall, Phineas, Loretta. Rye.	5	81. Harson, Amos, Elk Point. Corn.	2
45. Crow, L. T., Madison.		82. Hartman, N., Mt. Vernon. Wheat.	2
<i>a</i> Wheat.	1	83. Hayward, D., Sioux Falls. Millet.	9
<i>b</i> Oats.	3	84. Hayward, O. A., Sioux Falls. Long grass.	8
<i>c</i> Grass.	8	85. Hatter, W., Elk Point. Corn.	2
46. Crum, John, Elk Point. Corn.	2	86. Heming, H. P., South Shore. Wheat.	1
47. Crum, P., Elk Point. Corn.	2	87. Herley, George, Mitchell.	
48. Curley, T., Henry. Wheat.	1	<i>a</i> Wheat.	1
49. Daurel, J. M., Fairburn. Wheat.	1	<i>b</i> Millet.	8
50. Davidson, Walter, Watertown.	1	88. Hernald, Theo., Hermosa. Wheat.	1
51. Davie, Albert, Sioux Falls.		89. Honeywill, Smith, Watertown.	1
<i>a</i> Wheat.	1	Wheat.	1
<i>b</i> Oats.	3	90. Hughson, J., Brookings. Millet.	8
52. Deitrick, Charles, Spearfish. Alfalfa grass.	9	91. Hughson, J. H., Brookings.	
53. Dixon, Joseph, Madison. Corn.	2	<i>a</i> Wheat.	1
54. Dodge, Wm., Mitchell. Oats.	3	<i>b</i> Oats.	3
55. Doly, H., White. Oats.	3	92. Hutgen, Mat., Tyndall.	
56. Donevah, Michael, Loretta. Timothy grass.	8	<i>a</i> Wheat.	1
57. Eddy, James, A., Long Creek.		<i>b</i> Oats.	3
<i>a</i> Wheat.	1	<i>c</i> Barley.	4
<i>b</i> Corn.	2	93. Hyde, C., Vermillion. Corn.	2
<i>c</i> Oats.	3	94. Isard, Peter, Spearfish. Wheat.	1
<i>d</i> Grass.	8	95. Jackson, J., Mitchell.	
58. Evans, Robert, Spearfish. Alfalfa grass.	9	<i>a</i> Wheat.	1
59. Fancier, N. C., Fire Steel. Grass.	8	<i>b</i> Grass.	8
60. Fargo, S. C., Gayville. Corn.	2	96. Jenks, D. F., Yankton. Corn.	2
61. Fishback, Levi, Yankton. Wheat.	1	97. Jones, John A., Watertown. Wheat.	1
62. Flannery, John, Elk Point. Corn.	2	98. Johnson, G. W., Madison. Grasses.	8
63. Folger, A., Watertown. Grass.	8	99. Johnson, J. M., Mitchell. Wheat.	1
64. Foster, James, South Shore. Wheat.	1	100. Johnson, J., Tyndall. Timothy grass.	8
65. Fowles, J. A., Canton.		101. Johnston, P. G., South Shore. Wheat.	1
<i>a</i> Wheat.	1	102. Johnson, V., Spearfish. Corn.	2
<i>b</i> Corn.	2	103. Juck, Thomas, Gayville.	
<i>c</i> Oats.	3	<i>a</i> Wheat.	1
<i>d</i> Rye.	5	<i>b</i> Oats.	3
<i>e</i> Grass.	8	104. Kampshoff, Frank, Mitchell. Grasses.	8
66. Fry, D., Belford. Wheat.	1	105. Kartredt, G. S., Canton.	
67. Gale, Chas., White. Wheat.	1	<i>a</i> Wheat.	1
68. Geise, John, Watertown. Wheat.	1	<i>b</i> Corn.	2
69. Gerber, Fred, Worthing.		<i>c</i> Oats.	3
<i>a</i> Wheat.	1	<i>d</i> Barley.	4
<i>b</i> Corn.	2	<i>e</i> Rye.	5
<i>c</i> Oats.	3	<i>f</i> Grass.	8
<i>d</i> Barley.	4	106. Keene, James, Hudson.	
70. Green, H., Mitchell. Grasses.	8	<i>a</i> Wheat.	1
71. Greiner, Fred, Watertown. Oats.	3	<i>b</i> Corn.	2
72. Greiner, J., Watertown.		<i>c</i> Oats.	3
<i>a</i> Wheat.	1	<i>d</i> Barley.	4
<i>b</i> Oats.	3	<i>e</i> Grass.	8
73. Griffith, John W., Canton.		107. Kinsey, F. W., Castlewood. Wheat.	1
<i>a</i> Wheat.	1	108. Kinsman, C. E., Watertown. Wheat.	1
<i>b</i> Oats.	3	109. Krause, Fred., Watertown.	
<i>c</i> Barley.	4	<i>a</i> Wheat.	1
		<i>b</i> Oats.	3

DEPARTMENT A.—AGRICULTURE.

110. Kumper, B., Spearfish.		143. Mulholland, J. C., Watertown.	
<i>a</i> Oats.	3	<i>a</i> Wheat.	1
<i>b</i> Grass.	8	<i>b</i> Oats.	3
111. Larson, L., Gayville. Corn.	2	144. Munger, W. H., Watertown.	
112. Larson, H. P., Tyndall.		<i>a</i> Wheat.	1
<i>a</i> Wheat.	1	<i>b</i> Oats.	3
<i>b</i> Barley.	4	145. Murdock, M., Elk Point. Corn.	2
<i>c</i> Rye.	5	146. Myer, W. L., South Shore. Wheat.	1
<i>d</i> Clover and field peas.	9	147. Nelson, August, Spearfish. Slough	
113. Lee & Prentice, Vermillion. Corn.	2	grass.	8
114. Leutz, Albert, Watertown. Wheat.	1	148. Newton, M., Pleasant Lake. Corn.	2
115. Leutz, F. L., Watertown.		149. Nisbet, T. F., Watertown. Wheat.	1
<i>a</i> Wheat.	1	150. Norbeck, C. L., Aurora. Wheat.	1
<i>b</i> Oats.	3	151. Northrop, C., Elk Point. Corn.	2
116. Lindner, Peter, Sr., Krauzberg.		152. Olson, Austin, Canton.	
Wheat.	1	<i>a</i> Wheat.	1
117. Logan, W. M., Mitchell.		<i>b</i> Corn.	2
<i>a</i> Wheat.	1	<i>c</i> Oats.	3
<i>b</i> Rye.	5	<i>d</i> Barley.	4
<i>c</i> Millet and timothy.	8	<i>e</i> Grass.	8
<i>d</i> Clover.	9	153. Ottens, O. T., Brookings. Oats.	3
118. Mabbot, J. R., Hopper. Oats.	3	154. Overset, Ole, Hudson.	
119. Mahoney, M., Watertown. Wheat.	1	<i>a</i> Wheat.	1
120. Maley, John, Shurley. Wheat.	1	<i>b</i> Corn.	2
121. Mallett, A. C., Watertown.		<i>c</i> Oats.	3
<i>a</i> Wheat.	1	<i>d</i> Barley.	4
<i>b</i> Millet.	8	<i>e</i> Grass.	8
122. Mapes, Orrin, Watertown. Oats.	3	155. Pace, J., Civil Bend. Corn.	2
123. Markins, A. W., Waverly. Wheat.	1	156. Parry, Wm. G., Dudley. Oats.	3
124. Masiker, A., Franklin. Barley.	4	157. Patterson, John, Madison. Corn.	2
125. Maxwell, W., Vermillion. Corn.	2	158. Perkins, Ira, Mt. Vernon.	
126. McDowell, Wm., Fairburn. Wheat.	1	<i>a</i> Wheat.	1
127. McFarland, A. B., Haram.		<i>b</i> Grasses.	8
<i>a</i> Wheat.	1	159. Peterson, Peter, Hermosa. Oats.	3
<i>b</i> Corn.	2	160. Pfifer, Herbert, Watertown. Wheat.	1
<i>c</i> Oats.	3	161. Pfifer, J., Watertown. Wheat.	1
<i>d</i> Grass.	8	162. Pierson, John, Yankton.	
128. McGuire, B., Elk Point. Corn.	2	<i>a</i> Corn.	2
129. McIntyre, A. M., Watertown. Oats.	3	<i>b</i> Alfalfa and clover.	9
130. McIntyre, R. M., Watertown.		163. Piper, Wm., Avon.	
<i>a</i> Wheat.	1	<i>a</i> Wheat.	1
<i>b</i> Oats.	3	<i>b</i> Oats.	3
131. Merchant, Albert, Spokane.		164. Pnusz, Fritz, Hartford.	
<i>a</i> Wheat.	1	<i>a</i> Red top grasses and timothy.	8
<i>b</i> Oats.	3	<i>b</i> Red Clover.	9
132. Messersmidt, I., White. Oats.	3	165. Pratt, Herbert, Spearfish. Corn.	2
133. Metcalf, Geo., White.		166. Prentice, J., Brookings. Millet.	3
<i>a</i> Wheat.	1	167. Pratt, J. S., Spearfish.	
<i>b</i> Oats.	3	<i>a</i> Corn.	2
<i>c</i> Barley.	4	<i>b</i> Grasses.	8
134. Michaels, John, Watertown.		<i>c</i> Clover and alfalfa.	9
<i>a</i> Wheat.	1	168. Preston, H. C., Mitchell. Wheat.	1
<i>b</i> Oats.	3	169. Purcell, Robert, Kampeska. Wheat.	1
135. Millage, John, Canton.		170. Rackerville, C. R., Hermosa. Buck-	
<i>a</i> Wheat.	1	wheat.	7
<i>b</i> Oats.	3	171. Rau, L., Watertown. Wheat.	1
<i>c</i> Barley.	4	172. Richardson, D., Watertown. Oats.	3
136. Miller, Otis, Pleasant Lake. Corn.	2	173. Ringheim, A. A., Canton.	
137. Miller, W., Alexandria. Wheat.	1	<i>a</i> Wheat.	1
138. Miller, W. H., Canton.		<i>b</i> Corn.	2
<i>a</i> Wheat.	1	<i>c</i> Oats.	3
<i>b</i> Corn.	2	<i>d</i> Barley.	4
<i>c</i> Oats.	3	<i>e</i> Grass.	8
<i>d</i> Barley.	4	174. Risling, Phillip, Yankton. Corn.	2
<i>e</i> Grass.	8	175. Robertson, Chas., Spokane. Wheat.	1
139. Millet, Joseph E., Hudson.		176. Robinson, M. A., Mitchell. Grasses.	8
<i>a</i> Corn.	2	177. Sandren, John, Worthing.	
<i>b</i> Oats.	3	<i>a</i> Wheat.	1
140. Montague, Dave, Vermillion. Corn.	2	<i>b</i> Oats.	3
141. Moorehouse, A. S., Henry. Wheat.	1	<i>c</i> Barley.	4
142. Morrison, George A., Sioux Falls.		178. Sanford, John, Tyndall. Rye.	5
Barley.	4	179. Sawdusky, Samuel, Spearfish. Oats.	3

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180.	Schulze, F. P., Watertown.		<i>b</i> Corn.	2
	<i>a</i> Wheat.	1	<i>c</i> Oats.	3
	<i>b</i> Oats.	3	<i>d</i> Barley.	4
181.	Schulze, L., Watertown.		<i>e</i> Rye.	5
	<i>a</i> Wheat.	1	212. Tracy, G., Watertown.	
	<i>b</i> Oats.	3	<i>a</i> Wheat.	1
182.	Seville, John, Hopper.		<i>b</i> Oats.	3
	<i>a</i> Wheat.	1	213. Tyler, Alfred, White. Oats.	3
	<i>b</i> Oats.	3	214. Vincent, Wm., Elk Point. Corn.	2
183.	Seville, G. W., Hopper. Rye.	5	215. Walkin, M., Castlewood.	
184.	Seymour, F., Watertown. Wheat.	1	<i>a</i> Wheat.	1
185.	Shelwold, Earnest, White. Wheat.	1	<i>b</i> Corn.	2
186.	Sheppardson, Charles, Gayville.		216. Walkus, C., Avon. Timothy grass.	8
	<i>a</i> Wheat.	1	217. Wallace, N. J., Elk Point. Corn.	2
	<i>b</i> Corn.	2	218. Walters, B. F., Spearfish. Red-top.	8
187.	Shouse, H. C., Plankinton. Wheat.	1	219. Weisser, John, Tyndall. Wheat.	1
188.	Skinner, Samuel, Brookings. Oats.	3	220. Wells, Fred., Bon Homme. Oats.	3
189.	Slade, W. K., Hudson.		221. Wells, Joseph, Spearfish.	
	<i>a</i> Wheat.	1	<i>a</i> Rye.	5
	<i>b</i> Corn.	2	<i>b</i> Buckwheat.	7
	<i>c</i> Oats.	3	222. Welsh, L. S., Watertown. Wheat.	1
	<i>d</i> Grass.	8	223. West, Daniel, Mitchell. Grasses.	8
190.	Smidt, A. G., Madison.		224. Whiting, George, Yankton. Corn.	2
	<i>a</i> Barley.	4	225. Wilson, L., Watertown.	
	<i>b</i> Timothy.	8	<i>a</i> Wheat.	1
191.	Smith, C. H., Madison. Wheat.	1	<i>b</i> Millet.	8
192.	Smith, Ira, Elk Point. Corn.	2	226. Willis, W., Watertown. Wheat.	1
193.	Smith, J. C., Fairburn. Wheat.	1	227. Wood, E. D., Elk Point. Corn.	2
194.	South Dakota Agr'l Experimental Station, Brookings.		GROUP 5.	
	<i>a</i> Wheat.	1	228. Brown, Chet, Mitchell. Beans.	32
	<i>b</i> Oats.	3	229. Cook, J. E., Spearfish. Beans.	32
	<i>c</i> Barley.	4	230. Jenks, D. F., Yankton. Beans and pease.	32
	<i>d</i> Rye.	5	231. Kampshoff, Frank, Mitchell. Broom corn.	32
	<i>e</i> Millet.	8	232. Pratt, J. S., Spearfish. Beans.	32
195.	Spanen, H., Brant Lake. Rye.	5	GROUP 9.	
196.	Spencer, J. E., Watertown.		233. Anderson, C. J., Plankinton. Flax.	59
	<i>a</i> Wheat.	1	234. Babcock, Ira & Jay C., Sioux Falls. Flax.	59
	<i>b</i> Oats.	3	235. Dixon, Joseph, Madison. Flax.	59
197.	Spencer, Samuel, Watertown. Oats.	3	236. Fowles, J. A., Canton. Flax.	59
198.	Spicer, George, Vermillion. Corn.	2	237. Griffith, John W., Canton. Flax.	59
199.	Sprig, G., Otis. Wheat.	1	238. Hughes, E., Tyndall. Flax.	59
200.	Spurling, Ed., Brookings. Oats.	3	239. Kartredt, G. S., Canton. Flax.	59
201.	Stephens, H., Elk Point. Corn.	2	240. Mapes, Orrin, Watertown. Flax.	59
202.	Stephenson, L., Yankton. Grass.	8	241. Millage, John, Canton. Flax.	59
203.	Stroup, J., South Shore. Wheat.	1	242. Miller, W. H., Canton. Flax.	59
204.	Sweet, J. B., Watertown.		243. Olson, Austin, Canton. Flax.	59
	<i>a</i> Wheat.	1	244. Patterson, John, Madison. Flax.	59
	<i>b</i> Oats.	3	245. Richardson, D., Watertown. Flax.	59
205.	Talcott, James, Elk Point. Corn.	2	246. Sandren, John, Worthing. Flax.	59
206.	Tarjo, Mrs. James, Vermillion.		247. Saunders, P. A., Mitchell. Flax.	59
	<i>a</i> Wheat.	1	248. Schulze, F. P., Watertown. Flax.	59
	<i>b</i> Corn.	2	249. Schulze, L., Watertown. Flax.	59
	<i>c</i> Oats.	3	250. Spanen, H., Brant Lake. Flax.	59
207.	Tenvillije, Charles, Hermosa. Corn.	2	251. Stroup, J., South Shore. Flax.	59
208.	Terrant, Wm., Fairburn. Alfalfa.	9	252. Thomas, D. C., Watertown. Flax.	59
209.	Toms, M. G., Spearfish. Rye.	5	253. Wilson, L., Watertown. Flax.	59
210.	Toomey, Daniel, Spearfish. Grass.	8		
211.	Thorson, Samuel, Canton.			
	<i>a</i> Wheat.	1		

UTAH.

GROUP 1.

1. Agricultural College. Logan.	
<i>a</i> Wheat.	1
<i>b</i> Barley.	4
2. Armstrong, T. C., Salt Lake City.	
Wheat.	1
3. Barrett, George, Logan. Wheat.	1
4. Carlisle, John, Mill Creek. Oats.	3
5. Cazier, David, Nephi.	
<i>a</i> Wheat.	1
<i>b</i> Oats.	3
6. Christenson, C. L., Salem.	
<i>a</i> Wheat.	1
<i>b</i> Oats.	3
7. Ellis, Wm., Logan. Corn.	2
8. Handly, C. I., Salt Lake City.	
Barley.	4
Hanson, F. H., Salt Lake City.	
Wheat.	1
10. Hanson, T. H., Salt Lake City.	
Barley.	4
11. Hugl, Christian, Logan. Corn.	2
12. Jessop, Richard. Millville. Lucerne seed.	8
13. Kidman, Wm., Petersboro.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2

14. King, J., Logan. Corn.	2
15. Lemon, J. C., Ferron. Lucerne seed.	8
16. Mackay, John, Granger. Wheat in straw.	1
17. Manghan, C. W., Petersboro. Wheat in straw.	1
18. Middleton, C. F., Ogden. Wheat.	1
19. Moses, George, Taylorsville. Barley.	4
20. Oleson, T. F., Emery. Wheat.	1
21. Rayburn, Chas. W., Hyrum. Wheat.	1
22. Salisbury, Josiah, Wellsville. Barley.	4
23. Stalks, Morine, Lewiston. Wheat.	1
24. Titcomb, John, Mill Creek.	
<i>a</i> Wheat.	1
<i>b</i> Oats.	3
25. Woodfield, Wm., North Ogden.	
<i>a</i> Wheat.	1
<i>b</i> Barley.	4

GROUP 4.

26. Salisbury, Joshua, Millsville. Onion and carrot seeds.	30
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GROUP 5.

27. Allen, A. A., Cache. Beans.	32
28. Carlisle, John, Logan. Beans and peas.	32
29. Lofthouse, James, Paradise. Peas.	32

VIRGINIA.

GROUP 1.

1. Apperson, Jno. S. Marion.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
2. Bedford County.	
<i>a</i> Wheat	1
<i>b</i> Oats.	3
3. Bransford, Mrs. Alice, Shirley. Hay.	8
4. Buckingham County.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
<i>c</i> Oats.	3
5. Drewry, A. H., Westover. Corn.	2
6. Hanover County. Corn.	2
7. Hurt, Jno. L., Hurt's Store. Wheat.	1
8. Madison County.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
<i>c</i> Oats.	3
9. Preston, Jno. M., Seven Mile Ford. Hay.	8
10. Prince Edward County.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
11. Princess Anne County. Corn.	10
12. Shenandoah County.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
<i>c</i> Oats.	3
<i>d</i> Hay.	8
13. Tynes, G. A., Tazewell. Blue grass sod.	8

GROUP 4.

14. Smith, I. C. Petersburg. Peanuts.	31
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GROUP 5.

15. Bedford County. Pease.	32
16. Princess Anne County. Vegetables.	32

GROUP 8.

17. Averett & Harvey, Danville. Tobacco.	48
18. Bedford County. Tobacco.	48
19. Brown & Perkinson, Danville. Tobacco.	48
20. Cameron & Cameron, Richmond. Tobacco.	48
21. Cameron, Wm., & Bro. Tobacco.	48
22. Cosby, J. H., & Bro., Danville. Tobacco.	48
23. Dibbrell Bros., Danville. Tobacco.	48
24. Dixon & Co., Danville. Tobacco.	48
25. Duld, C. C., Danville. Tobacco.	48
26. Grandy & Miller, Danville. Tobacco.	48
27. Henderson, J. A., Danville. Tobacco.	48
28. Hickey, C. H., Danville. Tobacco.	48
29. Holcomb, D. I., Danville. Tobacco.	48
30. Hughes, Geo. S., & Co., Danville. Tobacco.	48
31. Jones, E. K., Danville. Tobacco.	48
32. Jordan, M. P., Danville. Tobacco.	48
33. Lee, Geo. A., Danville. Tobacco.	48
34. Madison County. Tobacco.	48

UNITED STATES.

35. Pemberton & Penn, Danville. Tobacco.	48
36. Schofield, Boatright & Co., Danville. Tobacco.	48
37. Semple, Wm. M., & Co., Martinsville. Tobacco.	48
38. Spencer Bros., Martinsville. Tobacco.	48
39. Sutherland, Mead Tobacco Co., Danville. Tobacco.	48
40. Tobacco Ass'n, South Boston. Tobacco.	48

41. Venable, E. C., Danville. Tobacco.	48
42. Wemple & Co., Danville. Tobacco.	48
43. Williamson, T. S., Danville. Tobacco	48

GROUP 9.

44. Nielson, T. B.,	Wool.	60
45. Preston, John M., Seven Mile Ford.	Wool.	60
46. Sanders, John L., Chilhowie.	Wool.	60
47. Smith, H. E., Suffolk.	Cotton.	53

WEST VIRGINIA.

GROUP 1.

1. Adams, John D., Siloam.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
2. Alemander, J. S., Frankford. Rye.	5
3. Atkinson, J. C., Buffalo. Wheat.	1
4. Baker, Dennis, Marlow. Wheat.	1
5. Bane, John, Short Creek. Wheat.	1
6. Barlor, Geo., Charlestown. Wheat.	1
7. Barnett, G. W., Frazier's Bottom.	
Corn.	1
8. Barnett, J. W., & Bro., Rockport.	
Wheat.	1
9. Barnett, Thomas, Pliny. Wheat.	1
10. Barrett, J. D., Academy. Corn.	2
11. Baylor, Geo., Charlestown. Corn.	2
12. Beard, C. J., Flat Rock. Wheat.	1
13. Beard, David A., Martinsburg.	
Wheat.	1
14. Beckwith, Wm., Cottageville.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
15. Blayney, Ed., Potomac. Wheat.	1
16. Blayney, Jas., Potomac. Wheat.	1
17. Bobbett, E. P., Gap Mills. Corn.	2
18. Bobbett, H. P., Keenan. Corn.	2
19. Bobbett, R. W., Union. Corn.	2
20. Bobbett, Pen., Talcott. Corn.	2
21. Bobbett, Pendleton, Wolf Creek.	
Corn.	2
22. Bogger, Wm. R., Zenith. Buck-wheat.	7
23. Booton, Mack, Wayne C. H. Wheat.	1
24. Branaugh, E. A., Buffalo.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
25. Brown, C. C., Buffalo. Wheat.	1
26. Brown, C. C., Charleston.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
27. Brown, B. W., Ravenswood.	
<i>a</i> Corn.	2
<i>b</i> Oats.	3
28. Brown, Jas., Sandyville.	
<i>a</i> Corn.	2
<i>b</i> Oats.	3
29. Brown, M. V., Buffalo.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
30. Burkhardt, J. D., Martinsburg.	
Wheat.	1
31. Burkhardt, J. D., Mineral Springs.	
Corn.	2
32. Burley, Jas. A., Thompson. Buck-wheat.	7

33. Carson, Wm., McGill. Wheat.	1
34. Clipp, John W., Charlestown. Corn.	2
35. Coffenbarger, Jas. H., Shepherdstown.	
Wheat.	1
36. Conklyn, C. C., Charlestown. Corn.	2
37. Connely, M. T., Clinton.	
<i>a</i> Wheat.	1
<i>b</i> Oats.	3
38. Cooper, W. P., Grimm's Landing.	
Corn.	2
39. Copperton, Allen, Union. Corn.	2
40. Couch, John B., Couch. Wheat.	1
41. Couch, P. S., South Side. Wheat.	1
42. Councleman, J. W., Bethany.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
<i>c</i> Oats.	3
43. Cox, Jack West Liberty.	
<i>a</i> Corn.	2
<i>b</i> Oats.	3
44. Cox, T. R., Central City. Wheat.	1
45. Craft, D. C., Bethany. Corn.	2
46. Creum, T., Sandyville. Wheat.	1
47. Crow, G. B., Ripley. Oats.	3
48. Crow, J. B., Ripley.	
<i>a</i> Corn.	2
<i>b</i> Oats.	3
49. Crimm, J. T., Sandyville. Oats.	3
50. Crow, Wm., Angerona.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
51. Curry, John G., Hamlin. Oats.	3
52. Cyrus, Abram, White Creek. Wheat.	1
53. Davis, Alvin, Love. Corn.	2
54. Dixon, Jas., West Liberty. Wheat.	1
55. Douglass, Hiram, Ripley.	
<i>a</i> Corn.	2
<i>b</i> Oats.	3
56. Dunlop, Jas., Union. Corn.	2
57. Dunn, J. A., Maupins. Wheat.	1
58. Dunn, Wm., Leon. Corn.	2
59. Elexander, Henry, Frazier's Bottom.	
Wheat.	1
60. Ellis, Albert, Hurricane. Wheat.	1
61. Ellison, T. A., Frost Hill. Corn.	2
62. Estes, Jack, Peays. Wheat.	1
63. Everett, Jas., Milton. Wheat.	1
64. Farrell, D. W., Roneys Point. Corn.	2
65. Felker, A. G., Martinsburg. Barley.	4
66. Ferguson, C. W., Wayne. Corn.	2
67. Fergusson, Jas., Wayne, C. H. Corn.	2
68. Fergusson, Capt. S. J., Fergusson.	
Corn.	2

DEPARTMENT A.—AGRICULTURE.

69	Ferrier, M. P., Lewisburg.		106.	Johnson, M., Hamlin.	
	<i>a</i> Wheat.	1		<i>a</i> Wheat.	1
	<i>b</i> Oats.	3		<i>b</i> Oats.	3
70.	Foard, D. A., Pliny.		107.	Keesucker, Jacob, Oakton. Wheat.	1
	<i>a</i> Wheat.	1	108.	Kerrfoot, John B., Kearneysville.	
	<i>b</i> Corn.	2		Wheat.	1
	<i>c</i> Oats.	3	109.	Kernes, F. J., Pliny.	
71.	Foard, T. W., Buffalo. Wheat.	1		<i>a</i> Wheat.	1
72.	Foram, W. W., West Liberty.			<i>b</i> Corn.	2
	Wheat.	1	110.	Kyle, Ed., Huntington. Corn.	2
73.	Forney, C. C., Bethany.		111.	Kyner, A. K., Martinsburg. Oats.	3
	<i>a</i> Wheat.	1	112.	Landis, Joseph, Marlow. Wheat.	1
	<i>b</i> Buckwheat.	7	113.	Leach, J. B., Sink's Grove. Wheat.	1
74.	Frazier, J. W., Frazier's Bottom.		114.	Lemaster, A. J., Falling Water.	
	Wheat.	1		Corn.	2
75.	Fowler, Jas., McGill. Corn.	2	115.	Lemons, Wash., Sink's Grove.	
76.	Gardner, J. W., Pt. Pleasant. Wheat.	1		<i>a</i> Wheat.	1
		1		<i>b</i> Corn.	2
77.	Garrett, W. B., Dickson. Corn.	2	116.	Lemon, W. T., Sink's Grove. Wheat.	1
78.	Garrett, Wm. P., Dickson. Oats.	3			1
79.	Gibson, W. B., West Alexander.		117.	Lemons, W. F., Sink's Grove. Corn.	2
	Wheat.	1	118.	Lewis, W. G., Valley Grove.	
80.	Goods, W. A., Frost Hill. Oats.	3		<i>a</i> Wheat.	1
81.	Gordon, A. W., Blennerhassett, Is-			<i>b</i> Rye.	5
	land. Corn.	2	119.	Light, J. H., Bedington. Wheat.	1
82.	Gruber, Joseph, Martinsburg. Corn.	2	120.	Lindington, J. C., Frankford. Oats.	3
83.	Gruse, Wm., West Liberty. Oats.	3	121.	Little, Robt., Parkersburg. Corn.	2
84.	Guinn, A. B., Lowell. Corn.	2	122.	Lockwood, John, White's Creek.	
85.	Guinn Bros., Huntington. Wheat.	1		Oats.	3
86.	Hall, Thomas, Oldarker's Mill. Wheat.	1	123.	Love, Peter, Love. Wheat.	1
87.	Hanley, John, Mercer's Bottom.		124.	Lowton, Arnold, West Liberty. Oats.	3
	Wheat.	1			3
88.	Hartley, Thomas, West Liberty.		125.	Ludington, C. I., Frankford. Oats.	3
	<i>a</i> Wheat.	1	126.	Lupton, Edward, Martinsburg. Corn.	2
	<i>b</i> Corn.	2			2
	<i>c</i> Oats.	3	127.	Lynch, C. E., Union. Wheat.	1
89.	Harvey, R. T., Buffalo.		128.	Lynch, G. T., Union. Wheat.	1
	<i>a</i> Wheat.	1	129.	Madden, Robert, Hamlin. Wheat.	1
	<i>b</i> Corn.	2	130.	Mann, B. F., Ft. Spring.	
	<i>c</i> Oats.	3		<i>a</i> Corn.	2
90.	Harwood, Jas., Potomac. Wheat.	1		<i>b</i> Oats.	3
91.	Haymon, Rich, Willow Grove.		131.	Markham, Lee, Griffith.	
	<i>a</i> Corn.	2		<i>a</i> Wheat.	1
	<i>b</i> Oats.	3		<i>b</i> Corn.	2
92.	Hedges, A. V., West Liberty.		132.	Mazwell Bros., Roney's Point.	
	<i>a</i> Wheat.	1		<i>a</i> Wheat.	1
	<i>b</i> Corn.	2		<i>b</i> Corn.	2
93.	Henshaw, E. S., Bunker Hill. Wheat.	1		<i>c</i> Oats.	3
		1	133.	Mays, J. S., Frankford.	
94.	Herburt, W. A., Gerrardstown.			<i>a</i> Wheat.	1
	Wheat.	1		<i>b</i> Corn.	2
95.	High, Abel, Purgittsville. Wheat.	1	134.	McCallister, Maj. J., Hickory.	
96.	Hiett, Henry H., Hanging Rock.			<i>a</i> Wheat.	1
	<i>a</i> Wheat.	1		<i>b</i> Corn.	2
	<i>b</i> Corn.	2	135.	McCausland, Gen. Jno., Grimm's	
97.	Hodge, J. S., Peckaway. Wheat.	1		Landing.	
98.	Hogg, William, Short Creek. Wheat.	1		<i>a</i> Wheat.	1
		1		<i>b</i> Oats.	3
99.	Holley, A. D., Hamlin. Corn	2	136.	McColloch, J. W., Clinton. Corn.	2
100.	Holly, Joel, Hamlin. Wheat.	1	137.	McCulloch, J. W., Clinton.	
101.	Hunter, J. A., Lilly Dale.			<i>a</i> Wheat.	1
	<i>a</i> Corn.	2		<i>b</i> Oats.	3
	<i>b</i> Oats.	3	138.	McGarey, John D., Shenandoah.	
102.	Jackson, H. A., Wayne. Corn.	2		<i>a</i> Wheat.	1
103.	Jacob, S. S., West Liberty.			<i>b</i> Corn.	2
	<i>a</i> Wheat.	1	139.	McGuffin, J. B., South Side. Wheat.	1
	<i>b</i> Corn.	2	140.	McNeal, A. R., Old Fields. Corn.	2
104.	Jenkins, Jeff, Green Botom.		141.	McNeal, Geo., Academy.	
	<i>a</i> Wheat.	1		<i>a</i> Wheat.	1
	<i>b</i> Corn.	2		<i>b</i> Corn.	3
	<i>c</i> Oats.	3		<i>c</i> Oats.	2
105.	Johnson, C. E., Union. Corn.	2			

UNITED STATES.

142. McNeal, Jas., Academy.		175. Seferent, John, Buffalo.	
<i>a</i> Wheat.	1	<i>a</i> Wheat.	1
<i>b</i> Corn.	2	<i>b</i> Corn.	2
<i>c</i> Buckwheat.	7	176. Seibert, C. J., Martinsburg.	
143. McWreath, W. C., Potomac.		<i>a</i> Wheat.	1
<i>a</i> Wheat.	1	<i>b</i> Oats.	3
<i>b</i> Oats.	3	177. Shanklin, J. P., Hunter's Springs.	
144. Melen, J. G., Zenith. Buckwheat.	7	Wheat.	1
145. Miller, Geo. W., Snyder's Mills.		178. Shepherd, Wm. L., Martinsburg.	
Corn.	1	Rye.	5
146. Miller, Thomas, Zenith. Buck-		179. Shoemaker, Jas., Love. Corn.	2
wheat.	7	180. Skinner, D. W., Pliny.	
147. Miller, Unah, Shepherdstown.		<i>a</i> Wheat.	1
<i>a</i> Wheat.	1	<i>b</i> Corn.	2
<i>b</i> Corn.	2	181. Skinner, G. E., Pliny. Corn.	2
148. Moore, C., Wayne C. H. Wheat.	1	182. Small, J. B., Martinsburg.	
149. Moore, Elijah, W. Alexander. Corn.	2	<i>a</i> Wheat.	1
150. Moore, Geo., Wayne C. H. Oats.	3	<i>b</i> Corn.	2
151. Moore, Wm., West Alexander.		183. Small, John D., Martinsburg. Corn.	2
Wheat.	1	184. Small, M. V., Martinsburg. Wheat.	1
152. Morgan, Capt. J. B., Grimm's Land-		185. Small, W. H., Martinsburg. Bar-	
ing. Wheat.	1	ley.	4
153. Morgan, John, Poca. Wheat.	1	186. Smith, C. E., Shannon. Oats.	3
154. Morgan, Henry C., West Liberty.		187. Smith, H. C., West Liberty.	
Wheat.	1	Wheat.	1
155. Morgan, Wm., Grimm's Landing.		188. Smith, J. S., Shannon. Wheat.	1
<i>a</i> Wheat.	1	189. Snyder, D. W., Falling Water.	
<i>b</i> Corn.	2	Wheat.	1
156. Morris, Jas. M., Winfield.		190. Sperow, C. R., Martinsburg.	
<i>a</i> Wheat.	1	<i>a</i> Wheat.	1
<i>b</i> Corn.	2	<i>b</i> Corn.	2
157. Morris, J. W., Midway.		191. Sperow, Benj. F., Martinsburg.	
<i>a</i> Wheat.	1	Wheat.	1
<i>b</i> Corn.	2	192. Sperow, Geo. O., Martinsburg.	
158. Musgrave, Asa., Maggie.		<i>a</i> Wheat.	1
<i>a</i> Wheat.	1	<i>b</i> Corn.	2
<i>b</i> Rye.	5	193. Sperow, George H., Spring Mills.	
159. Nash, Robt., Buffalo. Corn.	2	Wheat.	1
160. Nazum, Scott, Potomac. Oats.	3	194. Sperow, George R., Martinsburg.	
161. Nickell, C. C. & T. A., Nickells.		Wheat.	1
Rye.	5	195. Stalder, W. F., Pliny. Wheat.	1
162. Noffinger, Ed., Red House Shoals.		196. Staton, S. C., Red House Shoals.	
Wheat.	1	Wheat.	1
163. Noll, Geo. M., Martinsburg. Wheat.	1	197. Staton, Simon, Red House Shoals.	
164. Novelty Mill Co., Parkersburg.		Corn.	2
Flour.	11	198. Stordis, John, Griffith. Oats.	3
165. Packitt Bros., Charlestown. Wheat.	1	199. Sydenstock, J. M., Lewisburg.	
166. Park, Geo., Ravenswood.		Wheat.	1
<i>a</i> Wheat.	1	200. Tabler, J. N., Green Hill. Wheat.	1
<i>b</i> Corn.	2	201. Taylor, Milton, West Liberty.	
167. Rader, S. B., Renicks Valley.		Wheat.	1
<i>a</i> Wheat.	1	202. Thatcher, Joseph B., Martinsburg.	
<i>b</i> Corn.	2	Wheat.	1
<i>c</i> Oats.	3	203. Thacher, J. N., Martinsburg. Wheat.	
168. Renick, J. H. & H. E., Falling Springs.		Wheat.	1
<i>a</i> Wheat.	1	204. Thomas, J. B., West. Alexander.	
<i>b</i> Corn.	2	Buckwheat.	7
<i>c</i> Buckwheat.	7	205. Thomas, Jas. R., Hunter's Springs.	
169. Riffe, Wm., Flat Rock. Wheat.	1	Oats.	3
170. Roberts, Wm., Muse's Bottom.		206. Thompson, Capt. J. K., Raymond	
<i>a</i> Wheat.	1	City. Wheat.	1
<i>b</i> Corn.	2	207. Tomlinson, D., Pickaway.	
171. Rowan, J. M., Union.		<i>a</i> Wheat.	1
<i>a</i> Wheat.	1	<i>b</i> Cloverseed.	9
<i>b</i> Corn.	2	208. Tyree, W. F., Frankford. Wheat.	1
<i>c</i> Oats.	3	209. Waite, John P., Parkersburg.	
172. Sayears, E., Jefferson. Wheat.	1	<i>a</i> Corn.	2
173. Schultz, E. B., Hickory. Wheat.	1	<i>b</i> Buckwheat.	7
174. Sebrell, J. L., Grimm's Landing.		210. Walker, C. W., Indian Mills.	
<i>a</i> Wheat.		<i>a</i> Corn.	2
<i>b</i> Oats.	3	<i>b</i> Oats.	3
		<i>c</i> Buckwheat.	7

DEPARTMENT A.—AGRICULTURE.

211. Waugh, Wm., Bigstem.		231. Dunn, James P., Peterstown. Tobacco.	48
<i>a</i> Wheat.	1	232. Elexander, Henry, Frazier's Bottom. Tobacco.	48
<i>b</i> Corn.	2	233. Ellison, T. A., Frost Hill. Tobacco.	48
212. Way, Hamilton, Clinton. Wheat.	1	234. Epperly, Preston, Fayetteville. Tobacco.	48
213. Wells, R. M., Buffalo. Corn.	2	235. Gentry, T. J., Fayetteville. Tobacco.	48
214. Westenhaver Daniel, Martinsburg. Corn.	2	236. Johnson, V. C., Frazier's Bottom. Tobacco.	48
215. Westenhaver, David, Middleway. Wheat.	1	237. Mandiville, J. H., Indian Mills. Tobacco.	48
216. Williams, Jas., Willow Grove. Oats.	3	238. McCallister, Maj. J., Hickory. Tobacco.	48
217. Williamson, Jas., Willow Grove. <i>a</i> Wheat.	1	239. Millard, W. H., Fayetteville. Tobacco.	48
<i>b</i> Corn.	2	240. Nash, Robt. B., Buffalo. Tobacco.	48
218. Wilson, J. B., Wheeling. <i>a</i> Wheat.	1	241. Nash, M. C., Buffalo. Tobacco.	48
<i>b</i> Oats.	3	242. Perry, C. W., Fayetteville. Tobacco.	48
219. Wilson, J. M., Short Creek. <i>a</i> Corn.	2	243. Perry, R. S., Fayetteville. Tobacco.	48
<i>b</i> Oats.	3	244. Poteet, J. H., Oak Hill. Tobacco.	48
GROUP 5.			
220. Forney, C. C., Bethany. Navy beans.	32	245. Roherson, S. H., Peterstown. Tobacco.	48
221. Gordon, A. W., Blennerhassett Island. Beans.	5	246. Shank, Jas. R., Buffalo. Tobacco.	48
222. Miller, Unah, Shepherdstown. Navy beans.	32	247. Shank, Lewis, McGill. Tobacco.	48
GROUP 8.			
223. Adams, John D., Bigsteen. Tobacco.	48	248. Smith, James, Pliny. Tobacco.	48
224. Barnett Bros., Port Rock. Tobacco.	48	249. Stewart, C. J., Flat Rock. Tobacco.	48
225. Brown, J. M., Linside. Tobacco.	48	250. Stewart, J. H., Raymond City. Tobacco.	48
226. Brown, Reuben, Linside. Tobacco.	48	251. Walker, C. W., Indian Mills. Tobacco.	48
227. Caldwell, S. W., Pt. Pleasant. Tobacco.	48		
228. Chamber, A. J., Mercer Salt Works. Tobacco.	48		
229. Cooper, E. W., Oak Hill. Tobacco.	48		
230. Corgill, Hon. G. W., Winfield. Tobacco.	48		

WISCONSIN.

GROUP 1.			
1. Acker, Wm., Juneau. Wheat.	1	17. Bacon, W. C., Bristol. Wheat.	1
2. Agneburg, Nels, Whitehall. Buck-wheat.	7	18. Bailey, W. J., Lancaster. <i>a</i> Wheat.	1
3. Ahlers, N., Grafton. Wheat.	1	<i>b</i> Corn.	2
4. Albert, Henry W., Oconomowoc. Rye.	5	19. Barkhausen, Aug., Thiersville. <i>a</i> Wheat.	1
5. Allen, J. W., Ripon. Wheat.	1	<i>b</i> Rye.	5
6. Alves, F., Chilton. Wheat.	1	20. Barkolz, Christ., Lake Mills. Corn.	2
7. Ames, F. A., Clinton Junction. Pop-corn.	2	21. Barney John E., Soldiers' Grove. Corn.	2
8. Anacker, Bernard, Portage. Wheat.	1	22. Barnhart, A., Milton. Timothy seed.	8
9. Anderson, H. C., Albion. Oats.	3	23. Barton, Sylvester, Waupaca. Rye.	5
10. Anderson, Mat, Klevenville. Clover seed.	8	24. Batz, G. A., Sun Prairie. Clover seed.	9
11. Andrews, John, Alma Centre. Wheat.	1	25. Baufemfeind, Jacob, Granville Centre. Wheat.	1
12. Angell, C. E., Oshkosh. <i>a</i> Wheat.	1	26. Beach, John, Buena Vista. Rye.	5
<i>b</i> Oats.	3	27. Beals, O., Omro. <i>a</i> Corn.	2
<i>c</i> Barley.	4	<i>b</i> Rye.	5
13. Angell, C. E., Oshkosh. Timothy seed.	8	28. Beaver, M. G., Sun Prairie. Buck-wheat.	7
14. Apple, Adam, North Cape. <i>a</i> Wheat.	1	29. Behring, Hilman, Schleisingerville. Clover seed.	9
<i>b</i> Barley.	4	30. Beine, Catherine, Schleisingerville. Oats.	3
15. Askewitz, Alex., Merrill. Rye.	5		
16. Baatz, Fred, Plymouth. Corn.	2		

UNITED STATES.

31. Bemis, A. D., Plymouth.	
<i>a</i> Wheat.	1
<i>b</i> Buckwheat.	7
32. Bender, John, Ocononowoc.	
<i>a</i> Wheat.	1
<i>b</i> Oats.	3
33. Beoming, Geo., Fond du Lac. Oats.	3
34. Berry, Theron, Fond du Lac. Corn.	2
35. Biever, M. G., Sun Prairie. Oats.	3
36. Billings, C. G., Downs ville. Clover seed.	9
37. Binning, Geo., Fond du Lac. Barley.	4
38. Blaur, E., Stokes. Millet seed.	8
39. Blair, Moses, Centralia. Oats.	3
40. Blake, Louis, Appleton. Barley.	4
41. Blanding, Wm. M., St. Croix Falls. Corn.	2
42. Bleser, Adam, Jr., Manitowoc. Wheat.	1
43. Bloch, Ch., Gillet. Wheat.	1
44. Blumer, Adam, Monroe. Barley.	4
45. Bohman, O. O., Stockholm. Barley.	4
46. Boll, Mrs. Anna, Chilton. Clover seed.	9
47. Boon, John A., Becker. Popcorn.	2
48. Bowle, E. K., Monroe. Popcorn.	2
49. Botton, D. D., Bristol. Buckwheat.	7
50. Brackett, Myron, Cataract. Oats.	3
51. Britton, H., Sparta. Corn.	2
52. Brown, Geo., Sussex.	
<i>a</i> Wheat.	1
<i>b</i> Barley.	4
53. Brown, Geo. W., Mineral Point. Millet seed.	8
54. Brown, Mrs., Mauston. Oats.	3
55. Brown, Peter, Centralia. Clover seed.	9
56. Brunner, W. W., Sheridan. Wheat.	1
57. Bryson, James, Darlington. Popcorn.	2
58. Buch, Gottlieb, Cedarburg. Wheat.	1
59. Bump, Chas., Peshtigo. Buckwheat.	7
60. Bunker, Nicholas, Luxembourg. Wheat.	1
61. Bunnell, B., Boydtown. Millet seed.	8
62. Burge, G. G., Rube. Rye.	5
63. Buron, Herman, Schleisingerville. Buckwheat.	7
64. Butt, C. M., Viroqua. Wheat.	1
65. Callon, Matt, Wausau. Oats.	3
66. Calvary Station.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
<i>c</i> Oats.	3
67. Campbell, Wm., Gillingham. Corn.	2
68. Cane, Geo., Janesville. Clover seed.	9
69. Cans, J., Lancaster.	
<i>a</i> Wheat.	1
<i>b</i> Rye.	5
70. Cashman, M., Hudson.	
<i>a</i> Wheat.	1
<i>b</i> Oats.	3
71. Cate, Henry, Stockton. Oats.	3
72. Chadwick, F. G., Mauston. Wheat.	1
73. Cheeny, R., Neenah. Corn.	2
74. Cheeny, S. S., Prof., State University, Madison.	
<i>a</i> Grasses.	8
<i>b</i> Forage plants.	9
75. Cheesebro, A. J., Eau Claire. Popcorn.	2
76. Christiansen, S., Scandinavia.	
<i>a</i> Oats.	3
<i>b</i> Clover seed.	9
77. Christians, Wm., Johnson's Creek.	
<i>a</i> Wheat.	1
<i>b</i> Rye.	5
78. Cocking, Mrs. Joseph, Mineral Point. Corn.	2
79. Cole, H. W., Waterloo.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
80. Collett, James, Maiden Rock. Wheat.	1
81. Collins, S. M., Springfield. Millet seed.	8
82. Collway, John, Cedarburg. Barley.	4
83. Conger, Eugene, Greenbush. Timothy seed.	8
84. Coon, B. F., Juneau. Corn.	2
85. Crandall, Lorenzo, Hudson. Timothy seed.	8
86. Culbertson, John, Greenville. Wheat.	1
87. Cussik, Thomas, Oregon.	
<i>a</i> Corn.	2
<i>b</i> Timothy seed.	8
88. Dach, Jacob, Liberty Pole.	
<i>a</i> Corn.	2
<i>b</i> Oats.	3
89. Dahl, John, Luxembourg. Barley.	4
90. Dahms, Chas., Shawano. Wheat.	1
91. Daily, Ed., Hudson. Corn.	2
92. Daily, Jacob, Hudson. Corn.	2
93. Dalton, John, Mauston. Clover seed.	9
94. Dartz, Fred, Plymouth. Wheat.	1
95. Daul, John, Luxembourg. Rye.	5
96. Davis, Rees D., Randolph. Wheat.	1
97. Davis, Thos., Oshkosh.	
<i>a</i> Wheat.	1
<i>b</i> Buckwheat.	7
<i>c</i> Seeds.	8
98. Day, Edward, Hudson. Wheat.	1
99. Dayton, Andrew, Sparta. Buckwheat.	7
100. Deaver, J. N., Viroqua. Buckwheat.	7
101. Deits, C. C., Minnesota Junction.	
<i>a</i> Corn.	2
<i>b</i> Buckwheat.	7
102. Demerit, J., Aztalan. Corn.	2
103. Densmore, Joseph, Blair. Corn.	2
104. Devoe, A. S., Shell Lake. Clover seed.	9
105. Deys, Ezra, Westfield. Red-top seed.	8
106. Douglass, M., Melrose. Rye.	5
107. Duenow, Carl, Chippewa Falls. Wheat.	1
108. Dunn, P. E., Darrow. Wheat.	1
109. Dunst, Frank, Seymour. Barley.	4
110. Eberhardt, E., Manitowoc. Wheat.	1
111. Eckert, John, Thiensville. Wheat.	1
112. Edwards, N. J., Hancock. Oats.	3
113. Eissner, Ferdinand, Schleisingerville.	
<i>a</i> Wheat.	1
<i>b</i> Barley.	4
114. Eldowney, Wm. M., West Salem. Corn.	2
115. Ellepson, Chris., Viroqua. Oats.	3
116. Emerson, S., Blair. Wheat.	1
117. Emerton, A. J., Portage. Corn.	2
118. Emmerton, Thos., Cook's Valley. Oats.	3
119. Essmann, Theodore, Waterford. Oats.	3
120. Ewing, Arthur B., Sylvan.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
121. Fadness, H. J., Deerfield. Wheat.	1
122. Fadness, H. O., Cambridge. Wheat.	1

DEPARTMENT A.—AGRICULTURE.

123. Fagan, John M., Prairie du Chien. Corn. 2	168. Hall, J. S., North Freedom. a Wheat. 1
124. Farnham, E., Stephenville. Corn. 2	<i>b</i> Rye. 5
125. Fear, E. J., Augusta. Oats. 3	169. Halpin, Thos., Cedarburg. Timothy seed. 8
126. Fehrmann, Aug., Waterloo. a Wheat. 1	170. Hamm, Henry, Centralia. Rye. 5
<i>b</i> Barley. 4	171. Hangrud, Alsak O., Rio. Corn. 2
<i>c</i> Rye. 5	172. Hankins, I., Blair. Oats. 3
<i>d</i> Buckwheat. 7	173. Hans, John, Jefferson. a Wheat. 1
127. Fetting, Adolph, Buffalo City. Rye. 5	<i>b</i> Barley. 4
128. Fields, Wm., Prairie du Chien. Corn. 2	174. Hanson, Martin, Blair. Wheat. 1
129. Fisher, Fred. C., Sheridan. Wheat. 1	175. Hanson, Sievert, Westby. Timothy seed. 8
130. Fitzsimmons, Samuel, Mineral Point. a Corn. 2	176. Hanz, Geo., Fort Atkinson. Clover seed. 9
<i>b</i> Clover seed. 9	177. Hardacker, H., Hortonville. Oats. 3
131. Flemming, B. H., Shell Lake. Oats. 3	178. Harden, C., Brodhead. Corn. 2
132. Flemming Bros., Wilmot. Barley. 4	179. Harder, Jos., Plymouth. Wheat. 1
133. Fletcher, Frank, Buena Vista. Corn. 2	180. Harland, W., Duplainville. a Wheat. 1
134. Flucks, Joseph, Prairie du Chien. a Corn. 2	<i>b</i> Oats. 3
<i>b</i> Buckwheat. 7	<i>c</i> Millet seed. 8
<i>c</i> Clover seed. 9	181. Harness, Geo., Neenah. Oats. 3
135. Fountain, Thomas, Tibbets. Corn and popcorn. 2	182. Harris, J. E., Springville. Corn. 2
136. Fralich, Frank, Summer. Corn. 2	183. Hass, Fred, Templeton. Corn. 2
137. Freihuba, T., Okauches. Barley. 4	184. Hass, Gottlieb, Mauston. Wheat. 1
138. Fritz, C., White Creek. a Wheat. 1	185. Hatch, Fred L., Caryville. Corn. 2
<i>b</i> Buckwheat. 7	186. Hauer, Chas., Mauston. Millet seed. 8
139. Fuller, Albert, Mauston. Corn. 2	187. Hauptert, Susanna, Neosho. Rye. 5
140. Fussenich, Gerhardt, Forestville. a Wheat. 1	188. Hawthorne, W., Clarno. Corn. 2
<i>b</i> Rye. 5	189. Hayward, F. E., Hancock. a Corn. 2
141. Gahn, Mrs. Nora, White Creek. Wheat. 1	<i>b</i> Oats. 3
142. Ganske, A., Beaver Dam. Oats. 3	190. Heath, Oliver R, Amherst. Oats. 3
143. Gardner, W. F., Fulton. Pop corn. 2	191. Heinke, Christ, Greenbush. Barley. 4
144. Gates, John, Oakland. Timothy seed. 8	192. Hein, Nic, Chilton. Clover seed. 9
145. Gates, W., West Salem. Corn. 2	193. Hendhorn, Wm., Sylvan. Corn. 2
146. Gerold, Henry C., Weyauwaga. Wheat. 1	194. Hendricks, Val., Merrill. Oats. 3
147. Getgen, N., Manitowoc. Millet seed. 8	195. Henes, W. H., York. Wheat. 1
148. Getz, Jos., Maplewood. Wheat. 1	196. Hennig, John, Princeton. Corn. 2
149. Gilbertson, I. W., Irving. Wheat. 1	197. Henry, Geo. E., Jefferson. a Wheat. 1
150. Gilbert, Warren, Rio. Clover seed. 9	<i>b</i> Timothy seed. 8
151. Goldammer, Julius, Neillsville. Wheat. 1	198. Herman, A., Cream. Oats. 3
152. Gollneck, Ernest, Cedarburg. a Wheat. 1	199. Higgins, Wm., Jonesdale. Wheat. 1
<i>b</i> Barley. 4	200. Hind, John, Indian Ford. Clover seed. 9
153. Graf, Peter, St. Lawrence. Clover seed. 9	201. Hinze, Herman, Oconto. Wheat. 1
154. Grant, A. R., Stephenville. Corn. 2	202. Hoffman, J. G., Helenville. Wheat. 1
155. Graser, Adam, Waukesha. Oats. 3	203. Hoffman, M. L., Bassett. Oats. 3
156. Green, L., Reedstown. Buckwheat. 7	204. Holden, Milton, Pepin. Wheat. 1
157. Griffith, D. J., Dodgeville. Wheat. 1	205. Holle, M., Sparta. Clover seed. 9
158. Groth, Ferdinand, Cedarburg. Rye. 5	206. Home, Robert, Milton. Corn. 2
159. Grubb, C. H., Baraboo. a Wheat. 1	207. Horn, Matt, Jericho. Clover seed. 9
<i>b</i> Corn. 2	208. Hoyt, W. E., Rochester. Wheat. 1
160. Gurnee, B. M., Stephenville. Rye. 5	209. Hoover, H. H., Stoughton. Corn. 2
161. Haber, Jacob, Neenah. Wheat. 1	210. Hooverson, John C., Soldiers' Grove. Corn. 2
162. Hackett, Joseph, Baraboo. Clover seed. 9	211. Hopkins, James, Blair. Rye. 5
163. Haight, John, Johnstown. Clover seed. 9	212. Huebner, W. J., Manitowoc. Buckwheat. 7
164. Hake, G. W., Jefferson. Corn. 2	213. Hulbert, C., Burns. Rye. 5
165. Hake, John F., Jefferson. Buckwheat. 7	214. Hurd, John, Indian Ford. Timothy seed. 8
166. Halbert, S. W., Augusta. Corn. 2	215. Jacobson, Theodore, Burlington. Corn. 2
167. Hall, S. D., & Son, Johnstown. Oats. 3	216. Jeffrey, H. T., Colgate. Barley. 4
	217. Jeffrey, Wm., Colgate. Wheat. 1
	218. Joch, Chas., Plymouth. Wheat. 1
	219. John, F. W., Gillett. Oats. 3

UNITED STATES.

220. Johnson, James, Menominee. Millet seed.	8	263. Lenike, August, Freistadt. Rye.	5
221. Johnson, Henry, Oshkosh. Corn.	2	264. Leslie, John, Juneau. Wheat.	1
222. Johnson, Henry S., Eau Claire. a Rye.	5	265. Lever, Wm., Mauston. a Wheat.	1
b Buckwheat.	7	b Clover seed.	9
223. Johnson, Lars, Adsit. Wheat.	1	266. Lewis, Bert, Greenville. Corn.	2
224. Johnson, W. N., Oxford. a Popcorn.	2	267. Lienan, John, Cooksville. Corn.	2
b Oats.	3	268. Ligh Bros., Kansasville. Barley.	4
c Buckwheat.	7	269. Link, F. A., Alma Centre. Barley.	4
225. Jones, F. R., Hancock. a Corn.	2	270. Lipke, Aug., Jefferson. Wheat.	1
b Oats.	3	271. Little, James, Janesville. Corn.	2
226. Jones, S. B., Hustisford. Oats.	3	272. Lockhart, J. H., Maplewood. Clover seed.	9
227. Jordalen, L. C., Clarkson. Barley.	4	273. Look, Fred, Watertown. a Wheat.	1
228. Jost, David Alma. a Wheat.	1	b Barley.	4
b Oats.	3	274. Loomis, J. C., Alma. a Corn.	2
229. Kahler, Chas., Prairie du Chien. Wheat.	1	b Barley.	4
230. Karnopp, Wm., Ellisville. Clover seed.	9	c Rye.	5
231. Kelling, August, Menominee. Popcorn.	2	d Buckwheat.	7
232. Kelner, Anton, Irving. Corn.	2	e Timothy seed.	8
233. Kemerer, Fred, Little Black. a Wheat.	1	f Clover seed.	9
b Barley.	4	275. Long, C., West Bend. a Wheat.	1
234. Kennedy, Scott, Rio. a Wheat.	1	b Barley.	4
b Popcorn.	2	c Clover seed.	9
235. Kettlison, Levi, Stoughton. Wheat.	1	276. Lutz, Andrew, Melrose. Corn.	2
236. Kiel, John, Plymouth. Rye.	5	277. Machin, Joseph, Forestville. a Corn.	2
237. Kingman, F. G., Bristol. Buckwheat.	7	b Barley.	4
238. Klein, Geo., Fort Atkinson. Barley.	4	278. Madden, John, Mauston. a Wheat.	1
239. Klumb, John, West Bend. Rye.	5	b Timothy seed.	8
240. Kniep, Henry, Springfield. Wheat.	1	279. Maine, Gil, Stephenville. Corn.	2
241. Koffman, M. S., Bassett. Oats.	3	280. Mallinson, David, Randolph. Wheat.	1
242. Kohlweg, F., Grafton. a Wheat.	1	281. Maltby, W. Ray, Portage. Corn.	2
b Barley.	4	282. Mangold, Louis, Sherwood. Buckwheat.	7
243. Kromer, Wm., Johnsonville. Clover seed.	9	283. Markham, Arthur A., Independence. a Corn.	2
244. Krueger, F. J., Juneau. Timothy seed.	8	b Oats.	3
245. Krueger, Robert, Juneau. a Wheat.	1	284. Marsh, Frank, Jefferson. Wheat.	1
b Barley.	4	285. Martin, John G., Mineral Point. a Corn.	2
246. Kuehn, Jacob, Alma. Wheat.	1	b Oats.	3
247. Kuepel, Franz, Brown Deer. Clover.	9	c Buckwheat.	7
248. Kuhfuss, J. C., Cedarburg. Barley.	4	286. Martin, Wm., Gillingham. Corn.	2
249. Kull, Andrew, Geneva Lake. a Corn.	2	287. Mather, H. M., Prairie du Sac. Timothy seed.	8
b Rye.	5	288. Mattes, Chas., Jefferson. Oats.	3
250. Kurtz, Jacob, Fort Atkinson. Buckwheat.	7	289. Maud, John, Arcadia. Timothy seed.	8
251. Lamb Bros., Johnson. Barley.	4	290. May, Reuben, Viroqua. Clover seed.	9
252. Lamke, Ernest, Merrill. Wheat.	1	291. McAdams, S., Barron. Oats.	3
253. Langemak, P. J., New Holstein. Wheat.	1	292. McClintock, Wm. M., West Salem. Corn.	2
254. Lanicca, Paul, Alma. Corn.	2	293. McConnell, Wm. M., Ripon. Timothy seed.	8
255. Larson, M., Stockholm. Wheat.	1	294. McCredie, Robert, Portage. a Wheat.	1
256. Lauer, Peter, Woodville. Grass seed.	8	b Corn.	2
257. Lawber, Adam, Fond du Lac. Barley.	4	295. McCumber, Chas., Burlington. Popcorn.	2
258. Law, John, Schleisingerville. Clover seed.	9	296. McEvoy, Will, Mauston. Wheat.	1
259. Lee, T. F., Granton. Corn.	2	297. McGill, D. D., Chippewa City. Rye.	5
260. Leen, Knut C., Blair. Clover seed.	9	298. McIntyre, John, Mauston. Oats.	3
261. Lemke, August, Freistadt. Wheat.	1	299. McCann, B., Fort Atkinson. Corn.	2
262. Leonard, P., & Son, Mineral Point. Popcorn.	2	300. McLean, John, St. Croix. Corn.	2
		301. McLees, Joseph, Springville. Corn.	2
		302. McLees, U. O., Viroqua. Corn.	2
		303. McMillen, Ray, Douglas Centre. Corn.	2

DEPARTMENT A.—AGRICULTURE.

304. McNeil, Hector, Schleisingerville. Timothy seed.	8	353. Pansie, H., Princeton. <i>a</i> Wheat.	1
305. McNutt, E. W., Oxford, Corn.	2	<i>b</i> Corn.	2
306. McNutt, F. H., Oxford. Wheat.	1	<i>c</i> Buckwheat.	7
307. McWeathy, A. P., Cook's Valley. Corn.	2	354. Parcher, R. E., Wausau. <i>a</i> Wheat.	1
308. Meier, Matt, St. John. Clover seed.	9	<i>b</i> Rye.	5
309. Merran, Geo. B., Darlington. Wheat.	1	<i>c</i> Buckwheat.	7
310. Merrill, A. W., Alma Centre. <i>a</i> Wheat.	1	<i>d</i> Timothy seed.	8
<i>b</i> Corn.	2	355. Patrick, C. H., Fond du Lac. Corn.	2
311. Merrill, Frank S., Princeton. Corn.	2	356. Paulsen, Ernest, New Holstein. Wheat.	1
312. Merriman, R. D., Fort Atkinson. Corn.	2	357. Paulsen, Herman, Graville. <i>a</i> Wheat.	1
313. Messinger, F. O., New London. Wheat.	1	<i>b</i> Corn.	2
314. Meyer, George, Plymouth. Barley.	4	358. Pease, Frank, Shell Lake. Grass.	8
315. Millard, Lewis, Sparta. Corn.	2	339. Peat, Michael, Luxembourg. Peas.	32
316. Miller, Henry, Dotyville. Corn.	2	360. Pells, J., Coloma Station. Rye.	5
317. Miller, Henry, West Salem. Oats.	3	361. Pelton, Geo., & Sons, Reedsburg. Corn.	2
318. Miller, J., Melrose. Corn.	2	362. Penny, J. R., Arcadia. Corn.	2
319. Miller, Mike, Jefferson. Wheat.	1	363. Peot, Nicholas, Luxembourg. Rye.	5
320. Mills, Gabe, Linden. Corn.	2	364. Perrot, Louis, Greenville. Corn.	2
321. Minahan, John, Clinton. Wheat.	1	365. Peschau, Henry, Sturgeon Bay. Tim- othy seed.	8
322. Moldenbauer, H., Lebanon. Wheat.	1	366. Peterson, Mads., Green Bay. Oats.	3
323. Morrison, William, Leeds Centre. Barley.	4	367. Peul, Chas., Cedarburg. <i>a</i> Oats.	3
324. Morse, F. O., Sparta. Corn.	2	<i>b</i> Barley.	4
325. Muehl, Fred, Seymour. <i>a</i> Wheat.	1	368. Peul, John, Schleisingerville. Wheat.	1
<i>b</i> Rye.	5	369. Pfiel, Christopher, Granville. Wheat.	1
326. Mullawaney, D., Mauston. Clover seed.	9	370. Pike, H., Packwaukee. Clover seed.	9
327. Nashold Bros., Rio. Corn.	2	371. Pinkerton, R. R., Waupaca. Wheat.	1
328. Nattke, Fred, Portage. Corn.	2	372. Place, Henry, Phestigo. Buckwheat.	7
329. Nelson, Paul, Peterson. Wheat.	1	373. Plinsk, Chas., Forestville. <i>a</i> Oats.	3
330. Nelson, Peter, Waupaca. Wheat.	1	<i>b</i> Rye.	5
331. Newton, S. D. D., <i>a</i> Oats.	3	374. Pomeroy, Orrin, Edgerton. Wheat.	1
<i>b</i> Barley.	4	375. Porter, J. W., Oakland. <i>a</i> Wheat.	1
332. Nichols, George, Stoughton. Rye.	5	<i>b</i> Buckwheat.	7
333. Nickel, Daniel, Waupaca. Corn.	2	376. Preston, Geo., Ft. Atkinson. Wheat.	1
334. Noble, B., Monroe. Wheat.	1	377. Price, Mrs. Julia, Black River Falls. <i>a</i> Corn.	2
335. Noble, C., Sparta. Wheat.	1	<i>b</i> Oats.	3
336. Nordley, J. H., Prairie Farm. Wheat.	1	378. Prosser, J. K., Antigo. Oats.	3
337. Northy, Richard, Fort Atkinson. Corn.	2	379. Puerner, O. E., Jefferson. <i>a</i> Wheat.	1
338. Ode, Wm., Portage. Wheat.	1	<i>b</i> Barley.	4
339. Oestreich, F., Juneau. Barley.	4	380. Puhl, Frank Dobber, Cedarburg. Timothy seed.	8
340. Ogden, Marion E., Sylvan. Wheat.	1	381. Quandt, Wm. C., Woodland. <i>a</i> Wheat.	1
341. Olds, O. P. H., Hudson. Wheat.	1	<i>b</i> Barley.	4
342. Olp, John, Springfield. Buckwheat.	7	382. Randall, C. F., Janesville. Blue- grass seed.	8
343. Olsen, Martin J., Viroqua. Wheat.	1	383. Rank, Geo., Schleisingerville. Oats.	3
344. Orton, T. F., Lancaster. <i>a</i> Timothy seed.	8	384. Rasch, J. & C., Wilmot. Corn.	2
<i>b</i> Clover seed.	9	385. Ravold, George, Roberts. Corn.	2
345. Osceola Mill Company, Osceola Mills. Wheat.	1	386. Rauh, Geo., Schleisingerville. <i>a</i> Wheat.	1
346. Osmond, A. G., Milton. Clover seed.	9	<i>b</i> Barley.	4
347. Ottery, E. J., Fond du Lac. <i>a</i> Corn.	2	387. Ray, W. C., Richland Centre. <i>a</i> Wheat.	1
<i>b</i> Oats.	3	<i>b</i> Oats.	3
348. Otto, Wm., Montello. Rye.	5	388. Reeve, Howard, Ironton. Wheat.	1
349. Overson, Swain, Westby. Barley.	4	389. Reynolds, Frank, Cedarburg. Wheat.	1
350. Owen, S. B., Dartford. <i>a</i> Corn.	2	390. Reul, Andrew, Helenville. Corn.	2
<i>b</i> Wheat.	1	391. Rhead, Turman R., Hixton. Wheat.	1
351. Pagle, Henry, Horicon. <i>a</i> Wheat.	1		
<i>b</i> Barley.	4		
352. Palmer, J. C., Baraboo. Corn.	2		

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392.	Rheingans, Philip, Tilden.		438.	Shaver, James Peshtigo.	
	<i>a</i> Wheat.	1		<i>a</i> Corn.	2
	<i>b</i> Corn.	2		<i>b</i> Oats.	3
393.	Richards, Frances, Sun Prairie.	Corn. 2	439.	Sherburne, W. R., Rusk.	Clover seed. 9
394.	Risk, Wm., Easton.		440.	Shoff, J. M., Easton.	Wheat. 1
	<i>a</i> Rye.	5	441.	Shulfelt, John, Oconto.	Buckwheat. 7
	<i>b</i> Timothy seed.	8	442.	Sidney, Porch, River Falls.	Oats. 3
395.	Roberts, F. W., Woodworth.	Corn. 2	443.	Simen, Jacob, Calvary Station.	
396.	Robinson, James, Portage.			Wheat.	1
	<i>a</i> Barley.	4	444.	Sisson, Frank, Mindoro.	Corn. 2
	<i>b</i> Buckwheat.	7	445.	Skinner Bros., Merritt's Landing.	
397.	Rodger, Alex., Endeavor.	Corn. 2		Corn.	2
398.	Podka, Chas., Good Hope.	Barley. 4	446.	Slis, Anton, Forestville.	Oats. 3
399.	Roe, Andrew S., Waupaca.	Rye. 5	447.	Smith, Adam, Melrose.	Oats. 3
400.	Roecker, Wm., Portage.	Buckwheat. 7	448.	Smith, J. F., Mauston.	
401.	Rondorf, W., Summit.			<i>a</i> Wheat.	1
	<i>a</i> Wheat.	1		<i>b</i> Buckwheat.	7
	<i>b</i> Barley.	4	449.	Snyder, Geo., Oconomowoc.	
402.	Rozilla, Mrs. King W., Neillsville.			<i>a</i> Wheat.	1
	Corn.	2		<i>b</i> Barley.	4
403.	Rumpf, Daniel, Ableman.	Wheat. 1	450.	Spaulding, Ferris A., Oconomowoc.	
404.	Rumpf, Peter, Ableman.	Wheat. 1		Buckwheat.	7
405.	Rusch, Wm., Merrill.	Wheat. 1	451.	Spaulding, Luther, River Falls.	Rye. 5
406.	Ryder, H. C., Hustisford.	Barley. 4	452.	Speiker, John, Burlington.	Corn. 2
407.	Sadtmiller, Joseph, Oshkosh.	Wheat. 1	453.	Spenseley, D. H., Clinton.	Corn. 2
408.	Sayre, David F., Fulton.	Timothy seed. 8	454.	Spenseley, James, Mineral Point.	
409.	Scanlan, Luke, Lamberton.	Barley. 4		Corn.	2
410.	Schadel, Fred, Sun Prairie.	Barley. 4	455.	Spoon, John, Janesville.	Red-top seed. 8
411.	Scheen, Ferdinand, Cedarburg.	Clover seed. 9	456.	Spring, M. E., Baraboo.	Corn. 2
412.	Scherer, Matthias, Thiensville.	Barley. 4	457.	Stackman, P. O., North Freedom.	
413.	Schleiter, F., Cedarburg.	Barley. 4		Corn.	2
414.	Schley, Geo., Waukesha.		458.	Starandt, W. F., Burr Oak.	Wheat. 1
	<i>a</i> Wheat.	1	459.	Stebbins, Fred, Melrose.	Corn. 2
	<i>b</i> Oats.	3	460.	Steonitzky, Chas., Lynn.	Timothy seed. 8
	<i>c</i> Barley.	4	461.	Stephenson, Moses, Mineral Point.	
415.	Schmidt, Albert, Portage.			Clover seed.	9
	<i>a</i> Corn.	2	462.	Stephens, Wm., Bristol.	Corn. 2
	<i>b</i> Barley.	4	463.	Stevens, Geo., Jefferson.	Wheat. 1
416.	Schmidt, Peter, Schleisingerville.	Red-top seed. 8	464.	Stevens, Hiram, Oshkosh.	Corn. 2
417.	Schmitz, John, Calvary Station.		465.	Stiles, C. D., Lake Mills.	Rye. 5
	<i>a</i> Wheat.	1	466.	Stoll, W. W., Burlington.	Corn. 2
	<i>b</i> Barley.	4	467.	Stowe, Geo., Ironton.	Timothy seed. 8
418.	Schmitz, Nicholas, Eden.	Corn. 2	468.	Stonwell, A. F., Easton.	Milletseed. 8
419.	Schneider, W., Waumandee.	Wheat. 1	469.	Stowell, A. F., White Creek.	Buckwheat. 7
420.	Schroeter, Gustav, Grafton.	Barley. 4	470.	Straitman, A., West Salem.	Wheat. 1
421.	Schubert, Anton, Cedarburg.	Clover seed. 9	471.	Stratton, E. E., Burlington.	Red-top seed. 8
422.	Schuffelt, John, Oconto.	Buckwheat. 7	472.	Strause, J. M., Sun Prairie.	Grass seed. 8
423.	Schwalen, Hale, Hudson.	Oats. 3	473.	Strauss, Henry, Thiensville.	Corn. 2
424.	Schweinler, Chs., Jefferson.	Corn. 2	474.	Stumcenhorst, Anton, Gravesville.	
425.	Schweka, Fred, Grafton.	Barley. 4		Wheat.	1
426.	Schwolon, R., Weyauwega.		475.	Suhr, Wm., Alma.	Timothy seed. 8
	<i>a</i> Wheat.	1	476.	Summers, J. W., Rochester.	Wheat. 1
	<i>b</i> Buckwheat.	7	477.	Swallen, B., Hudson.	Barley. 4
427.	Seamonson, Wm., Stoughton.	Rye. 5	478.	Swartz, Peter M., Waukesha.	Wheat. 1
428.	Seeley, H. G., Maiden Rock.	Wheat. 1			
429.	Segerson, Hans, Rio.	Corn. 2	479.	Swatscheno, Wm., Neenah.	
430.	Seiderman, Stokes.	Clover seed. 9		<i>a</i> Wheat.	1
431.	Selle, A., Mequon.			<i>b</i> Corn.	2
	<i>a</i> Wheat.	1	480.	Taylor, J. W., Barrow.	Wheat. 1
	<i>b</i> Rye.	5	481.	Taylor, Wm., River Falls.	Blue grass seed. 8
	<i>c</i> Clover seed.	9	482.	Taylor, W. R., Cottage Grove.	Corn. 2
432.	Seward, M. B., Soldiers' Grove.	Corn. 2	483.	Teele, Aron, Baraboo.	Buckwheat. 7
433.	Seymour, Merton, Reedsburg.	Corn. 2	484.	Tepler, Robert, Neenah.	Oats. 3
434.	Shadel, Jacob, Sun Prairie.	Wheat. 1	485.	Thayer, M. A., Sparta.	
435.	Shall, W., North Freedom.	Wheat. 1		<i>a</i> Corn.	2
436.	Shane, Daniel, Burns.	Wheat. 1		<i>b</i> Rye.	5
437.	Shattuck Bros., Sparta.	Oats. 3	486.	Thern, Frank, Antigo.	Wheat. 1

DEPARTMENT A.—AGRICULTURE.

487.	Thibendeau, Simon, Luxembourg.	
	<i>a</i> Wheat.	
	<i>b</i> Rye.	5
	<i>c</i> Millet seed.	8
488.	Thomas, Frank, Sun Prairie. Oats.	3
489.	Thomas, J. W., Chippewa Falls.	
	<i>a</i> Wheat.	1
	<i>b</i> Corn.	2
	<i>c</i> Timothy seed.	8
490.	Timm, Jos., Grand Rapids. Rye.	5
491.	Timm, Wm., Grand Rapids. Red-top seed.	8
492.	Tipler, I., Allenville. Wheat.	1
493.	Tipler, Robert, Neenah. Wheat.	1
494.	Trumpy, Fred, Clarno.	
	<i>a</i> Oats.	3
	<i>b</i> Buckwheat.	7
495.	Trutel, John, Aurora. Wheat.	1
496.	Tunmel, Louis, Oconomowoc. Barley.	4
497.	Udell, John, North Freedom. Corn.	2
498.	Uphome, Peter H., Soldiers' Grove.	
	<i>a</i> Wheat.	1
	<i>b</i> Corn.	2
499.	Upson, S. E., Pleasant Prairie. Clover seed.	9
500.	Veltus, J. B., De Pere. Wheat.	1
501.	Verhalen, Peter J., Burlington. Corn.	2
502.	Vickerman, Jackson, Milton.	
	<i>a</i> Wheat.	1
	<i>b</i> Barley.	4
	<i>c</i> Timothy seed.	8
503.	Vogel, August, North Greenfield.	
	<i>a</i> Wheat.	1
	<i>b</i> Barley.	4
504.	Wagner, Jacob, Oakland. Rye.	5
505.	Wagner, Ludwit, Lebanon. Wheat.	1
506.	Wagner, Philip, West Bend. Oats.	3
507.	Waise, Joe, Oconto. Rye.	5
508.	Waken T., Lancaster. Millet seed.	8
509.	Walker, Moses, Berlin. Wheat.	1
510.	Walke, W. V., Lancaster. Corn.	2
511.	Wallace, Geo., Fox Lake. Barley.	4
512.	Walrath, H., White Creek.	
	<i>a</i> Buckwheat.	7
	<i>b</i> Timothy seed.	8
513.	Walter, Ely, Neenah. Wheat.	1
514.	Walter, Michael, Amherst. Millet seed.	8
515.	Walther, John N., Helenville. Wheat.	1
516.	Warren, Gilbert, Rio. Timothy seed.	8
517.	Wason Robert, Wattsville. Corn.	2
518.	Ward, C. E., Fort Atkinson. Corn.	2
519.	Ward, George, Bridgeport. Wheat.	1
520.	Weaver, Frank, Dartford. Buckwheat.	7
521.	Weber, Jacob, Merrill. Barley.	4
522.	Wedgewood, R. E., Shawno. Barley.	4
523.	Wegner, Wm., Plymouth.	
	<i>a</i> Wheat.	1
	<i>b</i> Corn.	2
524.	Weisensel, Caspar, Sun Prairie. Corn.	2
525.	Weisler, Geo., Ortonville. Corn.	2
526.	Welch, P. J., Mauston. Clover seed.	9
527.	Welcome, W. H., Hancock. Corn.	2
528.	Wellener, John, Centralia. Buckwheat.	7
529.	Wells, Caleb, Milton. Wheat.	1
530.	Wells, Frank, Milton. Popcorn.	2
530.	Wells, Joseph, Monroe. Corn.	2
531.	West, H. P., Fayetteville.	
	<i>a</i> Wheat.	1
	<i>b</i> Oats.	2
	<i>c</i> Barley.	4
	<i>d</i> Millet and red-top seed.	8
532.	Westing, J. B., Lancaster.	
	<i>a</i> Corn.	2
	<i>b</i> Buckwheat.	7
533.	Weston, Chas. S., Edmund. Wheat.	1
534.	West, Mark, Fayetteville.	
	<i>a</i> Wheat.	1
	<i>b</i> Oats.	3
	<i>c</i> Barley.	4
535.	Whitehead, David, Whitewater. Grass seed.	8
536.	Whitehead, Frank, Whitewater. Oats.	3
537.	White, S. T., Beaver Dam. Wheat.	1
538.	Whitmond, W. H., Centralia. Corn.	2
539.	Whittaker, Thos. F., Oconomowoc.	
	<i>a</i> Wheat.	1
	<i>b</i> Oats.	3
540.	Widman Bros., Fort Atkinson. Barley.	4
541.	Wiekpik, Henry D., Cedarburg.	
	<i>a</i> Wheat.	1
	<i>b</i> Corn.	2
	<i>c</i> Barley.	4
	<i>d</i> Rye.	5
542.	Wiesen, Matthew, Scandinavia. Barley.	4
543.	Willis, Z. C., Cook's Valley. Buckwheat.	7
544.	Wilson, Eliza T., Amy. Wheat.	1
545.	Wilson, W. E., Burlington. Clover seed.	9
546.	Wilson, William C., Burlington.	
	<i>a</i> Popcorn.	2
	<i>b</i> Timothy seed.	8
547.	Wittkopp, Carl, Plymouth.	
	<i>a</i> Wheat.	1
	<i>b</i> Barley.	4
548.	Wing, B. F., Whitehall. Corn.	2
549.	Winters, John J. F., Sparta. Corn.	2
550.	Winters, John, Sparta. Wheat.	1
551.	Wishart, Thos., De Pere.	
	<i>a</i> Wheat.	1
	<i>b</i> Oats.	3
552.	Woodruff, H. S., Janesville. Orchard grass.	8
553.	Woolenberg, Anna, Chilton. Clover seed.	9
554.	Works, O., Augusta. Barley.	4
555.	Young, A. W., Chippewa Falls. Corn.	2

GROUP 3.

556.	Cousins, L. P., New London. Honey.	26
557.	Green, C. H., Waukesha. Honey.	26
558.	Gross, Gustav, Milford. Honey.	26
559.	Hatch, C. A., Ithaca. Honey.	26
560.	Keyes, J. W., Chippewa Falls. Honey.	26
561.	Lotz, August, Cadott. Honey.	26
562.	McNay, Frank, Mauston. Honey and beeswax.	26
563.	McNay, Mr., Durand. Honey.	26
564.	McNown, J. W., Sinsinawa. Honey.	26
565.	Morgan, E. A., Chippewa Falls. Honey.	26
566.	Ochsner, J. J., Prairie du Sac. Honey and beeswax.	26
567.	Priest, E. C., Henrietta. Honey.	62

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- 568. Putnam, W. H., River Falls. Honey. 26
- 569. Wilcox, Arthur, Chippewa Falls. Honey and beeswax. 26
- 570. Wilcox, F., Mauston. Honey and beeswax. 26
- 571. Vandereicke, Adolph, Lake Mills. Honey. 26

GROUP 5.

- 572. Adams, John, Kewanee. Lentils. 32
- 573. Allen, Ethan, North Freedom. Beans. 26
- 574. Aloes, F., Chilton. Peas. 32
- 575. Anacker, Bernard, Portage. Beans. 32
- 576. Anderson, A. E., Stockholm. Beans. 32
- 577. Anderson, Gunder, Taylor. Beans. 32
- 578. Arnold, Freeman, Hanover. Peas. 32
- 579. Bailey, Aaron, Princeton. Beans. 32
- 580. Bailey, W. J., Lancaster. Peas. 32
- 581. Barkhausen, Aug., Thiensville. Peas. 32
- 582. Beals, O., Omro. Beans. 32
- 583. Beilke, F. W., Wausau. Peas. 32
- 584. Belky, Ed., Sparta. Beans. 32
- 585. Benedick, A. J., Woodworth. Beans. 32
- 586. Berz, Peter, Kewaunee. Lentils. 32
- 587. Black, John, Kewanee. Lentils. 32
- 588. Boyden, E., Mills Centre. Peas. 32
- 589. Buch, Gottlieb, Cedarburg. Flax seed. 32
- 590. Buswell, S. M., Amherst. Peas. 32
- 591. Chittenden & Morse, Princeton. Beans and peas. 32
- 592. Cleland, Samuel, Footville. Beans. 32
- 593. Currier, A. W., River Falls. Beans. 32
- 594. Darrow, Nathaniel, Reedsburg. Beans. 32
- 595. Davis, P. M., Waupaca. Beans. 32
- 596. Davis, Thos., Oshkosh. Beans. 32
- 597. Day, Mr., Portage. Beans. 32
- 598. Demerest, E. L., Waupaca. Beans. 32
- 599. Dixon, Joshua, Kansasville. Peas. 32
- 600. Dodds, W. J., Brookside. Peas. 32
- 601. Dollyjack, J., Portage. Peas. 32
- 602. Duenon, Cark, Chippewa Falls. Peas. 32
- 603. Eberhart, August, Manitowoc. Peas. 32
- 604. Eberhardt, E., Manitowoc. a Beans. 32
b Peas. 32
- 605. Edwards, Henry, Grand Rapids. Beans. 32
- 606. Enderby, Wm. R., Green Bay. Beans. 32
- 607. Foster, L. J., Mauston. Beans. 32
- 608. Frakle, Wm., Kewaunee. Peas. 32
- 609. Garner, A. C., Chippewa Falls. Beans. 32
- 610. Graf, Henry, Granville. Peas. 32
- 611. Graf, John, Kewaunee. Peas. 32
- 612. Grant Bros., Hudson. Beans and peas. 32
- 613. Grant Bros., Hudson. Peas. 32
- 614. Grape, John, Waukesha. Beans and peas. 32
- 615. Greenlee, I. C., Sparta. Beans. 32
- 616. Haberlee, Joseph, Sevastopol. Beans. 32
- 617. Halpin, Thomas, Cedarburg. Flax seed. 95
- 618. Hall, M., Chippewa Falls. Beans. 32
- 619. Hamm, Frank, Centralia. Peas. 32
- 620. Hamm, Henry, Centralia. Beans. 32
- 621. Harland, W., Duplainville. Beans. 32
- 622. Haus, John, Jefferson. Beans. 32

- 623. Hemke, H., Sawyer. Lentils. 32
- 624. Hephner, Nicholas M., Chilton. Beans. 32
- 625. Holmes, Edward, Shopiere. Peas. 32
- 626. Huebner, W. J., Manitowoc. Peas. 32
- 627. Huepel, Fred, Brown Deer. Beans. 32
- 628. Jackson, Robt., Oconto. Peas. 32
- 629. Kelly, P., River Falls. Beans. 32
- 630. Keogh, Edward, Forestville. Peas. 32
- 631. Konkle, Barney, Richland Centre. Beans. 32
- 632. Konop, Andrew, Stangelville. Beans. 32
- 633. Krema, Wencle, Luxembourg. Peas. 32
- 634. Langemach, P. J., New Holstein. Peas. 32
- 635. Lawson, Louis, Mineral Point. Beans. 32
- 636. Lee, Alfus, Plymouth. Beans. 32
- 637. Lippett, L., Baraboo. Beans. 32
- 638. Little, James, Janesville. Beans. 32
- 639. Loomis, J. C., Alma. Beans. 32
- 640. Maratic, Joseph, Kewaunee. Peas. 32
- 641. Martin, Alfred, Rochester. Beans. 32
- 642. Modlie, W., Clay Banks. Lentils. 32
- 643. Mulroy, Patrick, Hortonville. Peas and beans. 32
- 644. Munger, A. A., Madison. Beans. 32
- 645. Nett, Henry, Jericho. Beans. 32
- 646. Norton, Henry W., McDill. Beans. 32
- 647. Norton, Henry W., River Falls. Beans. 32
- 648. Nuernberger, Carl, Sheboygan. Peas. 32
- 649. Owens, O. J., Portage. Beans. 32
- 650. Owens, W. W., Portage. Beans. 32
- 651. Parcher, R. E., Wausau. Peas. 32
- 652. Pansie, H., Princeton. Beans. 32
- 653. Paseff, Henry, Ableman. Peas. 32
- 654. Peimester, John, Fayette. Beans. 32
- 655. Pepper, Robert, Peshigo. Beans. 32
- 656. Perry, Matthew, Forestville. Lentils. 32
- 657. Peter, Julius, North Greenfield. Beans. 32
- 658. Peterson, E. G., Stockholm. Beans. 32
- 659. Prestine, Aug., Peshigo. Peas. 32
- 660. Prill, A., Waupaca. Peas. 32
- 661. Ransom, Everett, Janesville. Peas. 32
- 662. Raumann, George, Portage. Beans. 32
- 663. Reamer, Wm., Mineral Point. Beans. 32
- 664. Reed, H. R., Plymouth. Beans. 32
- 665. Reed, L. H., Janesville. Peas. 32
- 666. Reynolds, E. G., Mineral Point. Peas and beans. 32
- 667. Rhoda, F., Mauston. Peas. 32
- 668. Rhodes, Louis, Kansasville. Beans. 32
- 669. Robertson, Robert, Oakland. Beans. 32
- 670. Rottstadt, E., Plymouth. Peas. 32
- 671. Schemming, F. H., Silver Lake. Beans. 32
- 672. Schnelling, W. F., Cataract. Peas. 32
- 673. Schible, Peter, Sturgeon. Beans. 32
- 674. Schofield, Wm., Hancock. Beans. 32
- 675. Selle, A., Mequon. Vetches. 32
- 676. Skinner, John, Merritt's Landing. Beans. 32
- 677. Smith, Albert, Eau Claire. Beans. 32
- 678. Smith, Frank, Soloma. Beans. 32
- 679. Somnburg, Charles, North Bend. Beans. 32
- 680. Stone, Moses, Marcellon. Beans. 32
- 681. Stratton, E. E., Burlington. Beans. 32

DEPARTMENT A.—AGRICULTURE.

- | | | | |
|---|----|--|----|
| 682. Straubel & Ebeling, Green Bay.
Beans. | 32 | 724. Brown, James, Stoughton. Havana
seed leaf tobacco. | 48 |
| 683. Tall, Sam, Janesville. Beans. | 32 | 725. Bulstad, B., Madison. Havana seed
leaf tobacco. | 48 |
| 684. Tenwke, Mr., Brodhead. Beans. | 32 | 726. Bruette, N., Jefferson. Havana seed
leaf tobacco. | 48 |
| 685. Thibendean, Simon, Luxembourg.
Peas and lentils. | 32 | 727. Brye, Lais, Viroqua. Havana seed
leaf tobacco. | 48 |
| 686. Thiel, Ferdinand, Menominee. Beans. | 32 | 728. Call, Thos., Viroqua. Havana seed
leaf tobacco. | 48 |
| 687. Thomas, Morris, River Falls. Beans. | 32 | 729. Carlson, Ole, Burke. Havana seed
leaf tobacco. | 48 |
| 688. Tipler, Robert, Neenah. Peas. | 32 | 730. Cavanaugh, J., Lodi. Havana seed
leaf tobacco. | 48 |
| 689. Troll, Wm., Mineral Point. Peas. | 32 | 731. Chase, W., Bristol. Havana seed
leaf tobacco. | 48 |
| 690. Utneckmer, Carl, Antigo. Peas. | 32 | 732. Christianson, John, Cambridge. Ha-
vana seed leaf tobacco. | 48 |
| 691. Vader, Mrs. L., Manitowoc. Peas
and beans. | 32 | 733. Christianson, O., Cambridge. Havana
seed leaf tobacco. | 48 |
| 692. Van Sluce, C., Greenbush. Beans. | 32 | 734. Cleophas, Gus., Beloit. Havana seed
leaf tobacco. | 48 |
| 693. Veltum, George, Juneau. Beans. | 32 | 735. Collie, Geo., Brooklyn. Havana seed
leaf tobacco. | 48 |
| 694. Walker, Frank, Waupaca. Beans. | 32 | 736. Connor, W. O., Liberty Pole. Ha-
vana seed leaf tobacco. | 48 |
| 695. Wason, Robert, Wattsville. Beans. | 32 | 737. Cory, W. H., Edgerton. Havana
seed leaf tobacco. | 48 |
| 696. Weaver, John, Garden. Peas. | 32 | 738. Crow, Wm., Center. Havana seed
leaf tobacco. | 48 |
| 697. West, H. P., Fayetteville. Beans
and peas. | 32 | 739. Criddle, H., Dunn. Havana seed leaf
tobacco. | 48 |
| 698. White, S. T., Beaver Dam. Beans. | 32 | 740. Cump, Louis, Edgerton. Havana
seed leaf tobacco. | 48 |
| 699. Wilbur, Albert, Oconomowoc. Beans. | 32 | 741. Davis, M. G., Viroqua. Havana seed
leaf tobacco. | 48 |
| 700. Wilmot, Silas, Ryan. Beans. | 32 | 742. Decker, J. A., Janesville. Havana
seed leaf tobacco. | 48 |
| 701. Wilson, F. M., White Creek. Beans. | 32 | 743. Doty, J., Burke. Havana seed leaf
tobacco. | 48 |
| 702. Windhausen, Math., Manitowoc.
Peas. | 32 | 744. Douglas, H., Bristol. Havana seed
leaf tobacco. | 48 |
| 703. Winkel, Nicholas, Grand Rapids.
Beans. | 32 | 745. Dregne, John, Liberty Pole. Havana
seed leaf tobacco. | 48 |
| 704. Zerbel, Aug., Forestville. Peas. | 32 | 746. Drew, Thos., Edgerton. Havana
seed leaf tobacco. | 48 |
| GROUP S. SE. I-C-7 | | | |
| 705. Allness, Ole, Liberty Pole. Havana
seed leaf tobacco. | 48 | 747. Eagan, J. E., Edgerton. Havana
seed leaf tobacco. | 48 |
| 706. Anderson, John, Edgerton. Havana
seed leaf tobacco. | 48 | 748. Eckhardt, Fred, Viroqua. Havana
seed leaf tobacco. | 48 |
| 707. Anderson, Martin, Dunn. Havana
seed leaf tobacco. | 48 | 749. Edwards, John, Viroqua. Havana
seed leaf tobacco. | 48 |
| 708. Anderson, Nels, Westley. Havana
seed leaf tobacco. | 48 | 750. Elefson, C., Liberty Pole. Havana
seed leaf tobacco. | 48 |
| 709. Anderson, R. A., Lodi. Havana and
leaf tobacco. | 48 | 751. Erdall, C., Lancaster. Havana seed
leaf tobacco. | 48 |
| 710. Anderson, S., Edgerton. Havana
seed leaf tobacco. | 48 | 752. Erickson, Andrew, Cambridge. Ha-
vana seed leaf tobacco. | 48 |
| 711. Asleson, Tom, Edgerton. Havana
seed leaf tobacco. | 48 | 753. Everingham, Geo., Janesville. Ha-
vana seed leaf tobacco. | 48 |
| 712. Ayer, A., Windsor. Havana seed
leaf tobacco. | 48 | 754. Favor, Jerome, Springville. Havana
seed leaf tobacco. | 48 |
| 713. Baxter, James, Windsor. Havana
seed leaf tobacco. | 48 | 755. Farness, O., York. Havana seed
leaf tobacco. | 48 |
| 714. Bedley, Hans, Bristol. Havana seed
leaf tobacco. | 48 | 756. Fartney, D. T., Viroqua. Havana
seed leaf tobacco. | 48 |
| 715. Bergh, Lorger, Liberty Pole. Havana
seed leaf tobacco. | 48 | 757. Finley, Lars, Cambridge. Havana
seed leaf tobacco. | 48 |
| 716. Birtness, H. T., & Bro., Orfordville.
Havana seed leaf tobacco. | 48 | 758. Fischer, A. L., Center. Havana seed
leaf tobacco. | 48 |
| 717. Bjoin, E., Utica. Havana seed leaf
tobacco. | 48 | 759. Fladhammer, Andrew, Viroqua. Ha-
vana seed leaf tobacco. | 48 |
| 718. Blanchard, H. D., Madison. Havana
seed leaf tobacco. | 48 | | |
| 719. Booras, Peter, Westley. Havana
seed leaf tobacco. | 48 | | |
| 720. Bosbon, Andrew, Stoughton. Ha-
vana seed leaf tobacco. | 48 | | |
| 721. Brage, Ole, Liberty Pole. Havana
seed leaf tobacco. | 48 | | |
| 722. Bringe, Peter, Liberty Pole. Havana
seed leaf tobacco. | 48 | | |
| 723. Brown, Geo., York. Havana seed
leaf tobacco. | 48 | | |

UNITED STATES.

760. Flathme, Thos., Avalanche. Havana seed leaf tobacco. 48	796. Jenson, J. O., Brooklyn. Havana seed leaf tobacco. 48
761. Fouran, H., Utica. Havana seed leaf tobacco. 48	797. Johnson, B. M., Orfordville. Havana seed leaf tobacco. 48
762. Froeland, Ben., Avalanche. Havana seed leaf tobacco. 48	798. Johnson, E., Windsor. Havana seed leaf tobacco. 48
763. Gardner, O. P., Orfordville. Havana seed leaf tobacco. 48	799. Johnson, E. J., Dunn. Havana seed leaf tobacco. 48
764. Green, John, Madison. Havana seed leaf tobacco. 48	800. Johnson, Evling, Cambridge. Havana seed leaf tobacco. 48
765. Good, F., Burke. Havana seed leaf tobacco. 48	801. Johnson, Halver, Avalanche. Havana seed leaf tobacco. 48
766. Goff, Geo., Dunkirk. Havana seed leaf tobacco. 48	802. Johnson, Hans, Dunkirk. Havana seed leaf tobacco. 48
767. Gruedzmuehle, George, Madison. Havana seed leaf tobacco. 48	803. Johnson, H., Pleasant Springs. Havana seed leaf tobacco. 48
768. Gulbrunson, O., Stoughton. Havana seed leaf tobacco. 48	804. Johnson, I., Westley. Havana seed leaf tobacco. 48
769. Gundor, Louis, Lodi. Havana seed leaf tobacco. 48	805. Johnson, Jens, Lodi. Havana seed leaf tobacco. 48
770. Hall, Anamas, Viroqua. Havana seed leaf tobacco. 48	806. Johnson, Ole, Rutland. Havana seed leaf tobacco. 48
771. Halverson, K., Madison. Havana seed leaf tobacco. 48	807. Johnson, Ole, Westley. Havana seed leaf tobacco. 48
772. Hangen, Nels, Rutland. Havana seed leaf tobacco. 48	808. Jotil, T., Pleasant Springs. Havana seed leaf tobacco. 48
773. Hanson, Hans, Cottage Grove. Havana seed leaf tobacco. 48	809. Karrow, E., Windsor. Havana seed leaf tobacco. 48
774. Harvey, Mas, Pleasant Springs. Havana seed leaf tobacco. 48	810. Kastend, Ole, Westley. Havana seed leaf tobacco. 48
775. Hanson, Hans, Dunkirk. Havana seed leaf tobacco. 48	811. Kier, S. M., Liberty Pole. Havana seed leaf tobacco. 48
776. Hanson, John, Edgerton. Havana seed leaf tobacco. 48	812. Kleinschmidt, John, Ft. Atkinson. Havana seed leaf tobacco. 48
777. Hanson, Ole, Westley. Havana seed leaf tobacco. 48	813. Klongeland, O., Stoughton. Havana seed leaf tobacco. 48
778. Hanson, Peter, Sun Prairie. Havana seed leaf tobacco. 48	814. Knudson, C., Cambridge. Havana seed leaf tobacco. 48
779. Hattan, Geo., Rutland. Havana seed leaf tobacco. 48	815. Knudson, Ole, Leeds. Havana seed leaf tobacco. 48
780. Heltand, E. T., Westley. Havana seed leaf tobacco. 48	816. Knudson, Ole O., Orfordville. Havana seed leaf tobacco. 48
781. Hendrickson, John, Liberty Pole. Havana seed leaf tobacco. 48	817. Knudson, Sever, Blooming Grove. Havana seed leaf tobacco. 48
782. Henry, M., Viroqua. Havana seed leaf tobacco. 48	818. Krause, Carl, Stockbridge. Caraway seed. 47
783. Homey, K. Pleasant Springs. Havana seed leaf tobacco. 48	819. Kravick, Lars, Edgerton. Havana seed leaf tobacco. 48
784. Homstad, Elias, Westley. Havana seed leaf tobacco. 48	820. Larson, Sever, Viroqua. Havana seed leaf tobacco. 48
785. Holman, Peter, Avalanche. Havana seed leaf tobacco. 48	821. Lawrence, Tim, Stoughton. Havana seed leaf tobacco. 48
786. Honeysett, Thos., Edgerton. Havana seed leaf tobacco. 48	822. Lenaas, Mrs. O., Utica. Havana seed leaf tobacco. 48
787. Hauge, J., Bristol. Havana seed leaf tobacco. 48	823. Linderemuth, Matt., Chilton. Caraway seed. 47
788. Haugen, Erick N., Orfordville. Havana seed leaf tobacco. 48	824. Liston, Ston, Orfordville. Havana seed leaf tobacco. 48
789. Haugen, H. S., Stoughton. Havana seed leaf tobacco. 48	825. Lointon, J. B., Edgerton. Havana seed leaf tobacco. 48
790. Haugensen, John, Westley. Havana seed leaf tobacco. 48	826. Loomis, S. L., Edgerton. Havana seed leaf tobacco. 48
791. Jacobson, Ole, Burke. Havana seed leaf tobacco. 48	827. Loper, C., York. Havana seed leaf tobacco. 48
792. Jellum, S., Christiana. Havana seed leaf tobacco. 48	828. Loudon, F. W., Janesville. Havana seed leaf tobacco. 48
793. Jemerson, Ole, Dunn. Havana seed leaf tobacco. 48	829. Loudon, Jas. M., Janesville. Havana seed leaf tobacco. 48
794. Jenson, Andrew, Edgerton. Havana seed leaf tobacco. 48	830. Lorgier, Ole, Liberty Pole. Havana seed leaf tobacco. 48
795. Jenson, Erick, Lodi. Havana seed leaf tobacco. 48	831. Lovend, K. K., Viroqua. Havana seed leaf tobacco. 48

DEPARTMENT A.—AGRICULTURE.

832. MacKend, Simon, Westley. Havana seed leaf tobacco. 48
833. Marks, John, Edgerton. Havana seed leaf tobacco. 48
834. Mathieson, P., Edgerton. Havana seed leaf tobacco. 48
835. McGinnis, John, Dunkirk. Havana seed leaf tobacco. 48
836. Meissner, F. A., Cashton. Caraway seed. 47
837. Meland, T. O., Lodi. Havana seed leaf tobacco. 48
838. Mitchell, G., Bristol. Havana seed leaf tobacco. 48
839. Mitchell, J., Burke. Havana seed leaf tobacco. 48
840. Moen Bros., Stoughton. Havana seed leaf tobacco. 48
841. Moen, G. G., Edgerton. Havana seed leaf tobacco. 48
842. Mole, Jas. R., Janesville. Havana seed leaf tobacco. 48
843. Morrison, E. C., Edgerton. Havana seed leaf tobacco. 48
844. Nelson, Anton, Avalanche. Havana seed leaf tobacco. 48
845. Nelson, Cornelius, Edgerton. Havana seed leaf tobacco. 48
846. Nelson, O. P., Edgerton. Havana seed leaf tobacco. 48
847. Nelson, Wm., Boscobel. Havana seed leaf tobacco. 48
848. Neprud, Elias, Westley. Havana seed leaf tobacco. 48
849. Neprud, S. W., Westley. Havana seed leaf tobacco. 48
850. Nettum, A., Albion. Havana seed leaf tobacco. 48
851. Norden, Nels., Mt. Horeb. Havana seed leaf tobacco. 48
852. Noyes, W. H., Janesville. Havana seed leaf tobacco. 48
853. Oberson, Swain, Westley. Havana seed leaf tobacco. 48
854. Olson, Brown, Westley. Havana seed leaf tobacco. 48
855. Olson, Henry, Vienna. Havana seed leaf tobacco. 48
856. Olson, Jens, Hampden. Havana seed leaf tobacco. 48
857. Olson, John, Dunn. Havana seed leaf tobacco. 48
858. Olson, T., Windsor. Havana seed leaf tobacco. 48
859. Overstrud, O. E., Spring Valley. Havana seed leaf tobacco. 48
860. Parker, Frank, Janesville. Havana seed leaf tobacco. 48
861. Pearson, John, Edgerton. Havana seed leaf tobacco. 48
862. Pederson, Yon, Hanover. Havana seed leaf tobacco. 48
863. Peterson, C., Liberty Pole. Havana seed leaf tobacco. 48
864. Peterson, Elias, Westley. Havana seed leaf tobacco. 48
865. Potter, W. K., Cambridge. Havana seed leaf tobacco. 48
866. Powell, E., Viroqua. Havana seed leaf tobacco. 48
867. Preus, N., Viroqua. Havana seed leaf tobacco. 48
868. Quamen, O., Edgerton. Havana seed leaf tobacco. 48
869. Risum, C. L., Orfordville. Havana seed leaf tobacco. 48
870. Roam, C., Stoughton. Havana seed leaf tobacco. 48
871. Rodriguez, A., Ft. Atkinson. Havana seed leaf tobacco. 48
872. Routlin, K., Stoughton. Havana seed leaf tobacco. 48
873. Rumsey, Henry, Springville. Havana seed leaf tobacco. 48
874. Rusta, Peter, Stoughton. Havana seed leaf tobacco. 48
875. Sanders, Ole, Albion. Havana seed leaf tobacco. 48
876. Sander, Wm., Morrisonville. Havana seed leaf tobacco. 48
877. Sangstad, Theodore. Havana seed leaf tobacco. 48
878. Schrode, F., Stoughton. Havana seed leaf tobacco. 48
879. Severson, Jens, Burke. Havana seed leaf tobacco. 48
880. Sherman, E., Madison. Havana seed leaf tobacco. 48
881. Simonson, Ole, Pleasant Springs. Havana seed leaf tobacco. 48
882. Smithack, Ole, Christiania. Havana seed leaf tobacco. 48
883. Smith, Anamas, Viroqua. Havana seed leaf tobacco. 48
884. Smith, Jac., Madison. Havana seed leaf tobacco. 48
885. Snyder, J. T., Center. Havana seed leaf tobacco. 48
886. Solverson, Peter, Liberty Pole. Havana seed leaf tobacco. 48
887. Sorenson, Knud, Medina. Havana seed leaf tobacco. 48
888. Soverhill & Porter, Janesville. Havana seed leaf tobacco. 48
889. Starks, Ole, Stoughton. Havana seed leaf tobacco. 48
890. Stevenson, A., Cambridge. Havana seed leaf tobacco. 48
891. Strundbreg, Nels, Westley. Havana seed leaf tobacco. 48
892. Svenson, Even, Cambridge. Havana seed leaf tobacco. 48
893. Swenson, Peter, Rio. Havana seed leaf tobacco. 48
894. Swiggum, Thos., Westley. Havana seed leaf tobacco. 48
895. Swinson, Thos., Viroqua. Havana seed leaf tobacco. 48
896. Temple, A. H., Edgerton. Havana seed leaf tobacco. 48
897. Thompson, John, Westpart. Havana seed leaf tobacco. 48
898. Thones, K. B., Orfordville. Havana seed leaf tobacco. 48
899. Thorsquaard, L., Springville. Havana seed leaf tobacco. 48
900. Thorstonson, Helick, Christiana. Havana seed leaf tobacco. 48
901. Tisbery, K. H., Deerfield. Havana seed leaf tobacco. 48
902. Texley, A., Cambridge. Havana seed leaf tobacco. 48
903. Texley, H., Christiana. Havana seed leaf tobacco. 48

UNITED STATES.

904. Usher, Ole, Deerfield.	Havana seed	48
leaf tobacco.		48
805. Utter, Dave, Rutland.	Havana seed	48
leaf tobacco.		48
906. Wack, Jacob, Liberty Pole.	Havana seed leaf tobacco.	48
907. Wangen, Y., Westley.	Havana seed leaf tobacco.	48
908. Westram, A. S., Windsor.	Havana seed leaf tobacco.	48
909. Williams, W. C., Liberty Pole.	Havana seed leaf tobacco.	48

GROUP 9.

910. Brenger, Jacob, Clyman.	Wool.	60
911. Broughton, Arthur, Albany.	Wool.	60
912. Cunningham, D. N., Burlington.	Wool.	60
913. English Shire & Hackney Horse Co., Neillsville.	Wool.	60
914. Fox, A. O., Oregon.	Wool.	60
915. Gaines, J. W., Lowell.	Wool.	60
916. Harding, George, & Sons, Waukesha.	Wool.	60
917. Jones, D. B., Werner.	Wool.	60
918. Jones, Samuel, Hustisford.	Wool.	60
919. Kull, Andrew, Geneva Lake.	Wool.	60
920. McKerrow, George, Sussex.	Wool.	60
921. Payne, J. C., Prairie du Sac.	Wool.	64
922. Phelps, C. K., Springfield.	Wool.	60
923. Pitcher, J. H., Eagle.	Wool.	60
924. Price, Hugh H., Black River Falls.	Wool.	60
925. Weaver, E. W., Sussex.	Wool.	60
926. White, Alexander, Fulton.	Wool.	60
927. White, Charles, Fulton.	Wool.	60
928. Wisconsin Agricultural & Experimental Station, Madison.	Wool.	60

GROUP 15.

929. Moore, Willis, L., Milwaukee.	Wisconsin weather service statistics.	83
930. Wisconsin State Commission.	Statistics of Wisconsin farm lands and photographs of farm buildings.	83

GROUP 18.

931. Adams, Frank, Paris.	Flax seed.	95
932. Bauer, Joseph, West Bend.	Flax seed.	95
933. Baumach, Frank, Ridgeville.	Flax seed.	95
934. Cussik, Tom, Oregon.	Flax seed.	95
935. Detlaff, Augusta, Alaska.	Flax seed.	95
936. Getgen, N., Manitowoc.	Flax seed.	95
937. Herrick, T. J., Horicon.	Rape seed.	95
938. Link, John, Menominee.	Flax seed.	95
939. Loomis, J. C., Alma.	Flax seed.	95
940. Mathews, Dan, Shullsburg.	Flax seed.	95
941. Norris, John, Viroqua.	Flax seed.	65
942. Pound, Samuel, Indian Ford.	Flax seed.	95
943. Roberts, F. W., Woodworth.	Flax seed.	95
944. Schroeter, Gustav, Grafton.	Flax seed.	95
945. Shall, William, North Freedom.	Flax seed.	95
946. Stevenson, Mose, Waldwick.	Flax seed.	95
947. Stier, Carl, New Holstein.	Rape seed.	95
948. West, H. P., Fayetteville.	Flax seed.	95
949. Wickel, Daniel, Waupaca.	Flax seed.	95
950. Winkle, Henry, Portage.	Flax seed.	95

WYOMING.

GROUP 1.

1. Brown, William, Big Horn.		
a Wheat.	1	
b Corn.	2	
c Oats.	3	
2. Dickinson, Leroy.		
a Wheat.	1	
b Oats.	3	
3. Gordon, John H., South Bend.		
a Wheat.	1	
b Corn.	2	
c Oats.	3	
d Barley.	4	
4. Johnson, W. R., Wheatland.		
a Wheat.	1	
b Corn.	2	
c Oats.	3	
d Barley.	4	
e Rye.	5	
f Buckwheat.	7	
g Timothy, millet, etc.	8	
h Alfalfa, clover.	9	
5. Lambrigger, A. A., Sheridan.		
a Wheat.	1	
b Corn.	2	
c Oats.	3	

d Barley.	4
e Rye.	5
f Buckwheat.	7
g Millet and other grasses.	8
h Clover, alfalfa.	9
6. Laramie Experimental Farm, Laramie.	
a Wheat.	1
b Oats.	3
c Barley.	4
d Rye.	5
e Buckwheat.	7
f Alfalfa.	9
7. Lee, William, Saratoga.	Oats. 3
8. McCormick, John, Sheridan	
a Wheat.	1
b Oats.	3
c Barley.	4
d Rye.	5
9. Milne, John, Casper.	
a Wheat.	1
b Corn.	2
c Oats.	3
10. Sonneberger, M. A., Buffalo.	
a Wheat.	1
b Oats.	3
c Barley.	4
d Rye.	5

DEPARTMENT A.—AGRICULTURE.

11. State Experimental Farm, Saratoga.			
<i>a</i> Wheat.	1		
<i>b</i> Oats.	3		
<i>c</i> Barley.	4		
<i>d</i> Rye.	5		
12. Ward, J. P., Crook County.			
<i>a</i> Wheat.	1		
<i>b</i> Millet.	8		
13. Williams, Richard, Crook County.			
<i>a</i> Wheat.	1		
<i>b</i> Oats.	3		
<i>c</i> Rye.	5		
		GROUP 4.	
		14. Entulrolhn, Gustav. Potatoes.	28
		GROUP 5.	
		15. Johnson, M. R., Wheatland. Pease and beans.	32
		16. Lambrigger, A. A., Sheridan. Beans and pease.	32
		GROUP 9.	
		17. Johnson, W. R., Wheatland. Flax.	59
		18. Laramie Experimental Farm, Laramie. Flax.	59

Gottfreid Brewing Co., Chicago, Ill. Brewers.

For exhibit, see page 494.

Hy Nungesser, New York. Seeds.

For exhibit, see page 641.

C. Aultman & Co., Canton, N. Y.

Agricultural Implements.

For exhibit, see page 430.

Marseilles M'f'g Co., Marseilles, Ill.

Agricultural Implements.

For exhibit, see page 420.

E. L. Boggs, Charleston, W. Va.

Toilet requisites.

For exhibit, see page 1031.

The Wacker & Birk Brewing Co.,

Chicago, Ill. Brewers.

For exhibit, see page 639.

John Dowling & Co., Tyrone, Ky.,

Whisky.

For exhibit, see page 1031.

Keeley Brewing Co., Chicago, Ill. Brewers.

For exhibit, see page 630.

Cosmo Buttermilk Soap Co., Chicago, Ill. Soap.

For exhibit, see page 433.

Machinery

S. H. Sinclair & Co., Chicago, Ill. Laundry machinery.

For exhibit see page 822.

Holly M'f'g Co., Lockport, N. Y. Pumping engines.

For exhibit see page 439.

New York Safety Steam Power Co. Chicago, Ill. Engines and boilers.

For exhibit see page 707.

Louis Wertheim.

For exhibit see page 474.

AUSTRIA.

GROUP 1.

1. Kulbelka Gebruder, Klosterhradisch (Moravia). Barley. 4
2. Landwirtschaftlicher Verein, Preraii (Moravia). Agricultural products.
3. Landwirtschaftlicher Verein, Wischau (Moravia). Agricultural products.
4. Landwirtschaftlicher Verein, Olmutz (Moravia). Agricultural products.

GROUP 3.

5. Ambrozic, Michael, Moistrana (Cranio-
la). Appliances for the cultivation of
bees. 26

GROUP 4.

6. Jirku, H., Birnbaum (Moravia). Seeds
of sugar turnips. 30

GROUP 5.

7. Trezinski, S., Sieniava (Galicia).
Shelled pulses. 32

GROUP 8.

8. Elias, V., Urbno (Bohemia). Hops. 46
9. Hausmann, Anton, Urbno (Bohemia).
Hops. 46
10. Hopfenmarkt-Halle, Rakonitz (Bo-
hemia). Hops. 46
11. Hopfensignirhalle der Stadt Auscha,
Auscha (Bohemia). Hops. 46
12. Kotanyi, Johann, Vienna. Paprika. 47
13. Pfister & Wuestel, Laaz (Bohemia).
Hops. 46
14. Piette, P., Freiheit (Bohemia). Cigar-
ettes. 52
15. Schlesinger, Robert, Vienna. Paprika.
47
16. Sonnenschein & Landesmann, Prag
(Bohemia). Hops. 46
17. Uejka, Anton, Urbno (Bohemia). Hops.
46

GROUP 9.

18. Antichievich, Giovanni, Postiv (Dal-
matia). Chrysanthemum for insecticides.
57
19. Bilic, Giuseppe L., Sebenico (Dal-
matia). Chrysanthemum for insecticides.
57
20. Godnig, Eugenio, Zara (Dalmatia.)
Chrysanthemum for insecticides. 57
21. Plenkovic, G., Gelsa (Dalmatia).
Chrysanthemum for insecticides. 57
22. Zaranic, Johann, & Co., Grablje (Dal-
matia). Powder for destroying insects. 57

GROUP 10.

23. Mattoni Heinrich, Giesshuebl-Puch-
stein, near Carlsbad. Mineral waters and
well products. 64
24. Mineralquellen, Levico (Tirole). Ar-
senic mineral waters. 64

25. Mineralquellen Franz Josef, Bitter-
quelle, Buda-Pesth. Bitter mineral waters.
64
26. Mineralquellen, Franzensbad, Moorpris-
men (Bohemia). Mineral waters. 64
27. Mineralquellen Hunyadi, Buda-Pesth.
Bitter mineral waters. 64
28. Mineralquellen, Rohitsch (Stiria). Min-
eral waters. 64

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29. Crkal, Anton, Sohn, Zleb (Bohemia).
Liqueurs. 69
30. Kotanyi, Johann, Vienna. Paprika
liqueurs. 69
31. "La Ferme," Liqueurfabriks-Acti-
engesellschaft, Dobruschka (Bohemia).
Liqueurs. 69
32. Lichtwitz, Albert, & Co., Troppau
(Silesia). Liqueurs. 69
33. Luxardo, Girolamo, Zara (Dalmatia).
Maraschino and other liqueurs. 69
34. Reich's Moritz Nachfolger (Sigmund
Reich) Biala (Silesia). Liqueurs. 69
35. Vantoch, Ludwig, Nimburg (Bohemia).
Liqueurs. 69

GROUP 12.

36. Hauser & Sobotka, Stadlau, near
Vienna. Malt and malt products. 72
37. Kubelka Gebruder, Klosterhradisch
(Moravia). Malts. 72
38. Tritzer, Anton, Vienna. Malts. 72
39. Ujezder Malzfabrik Schindler & Stein,
Bruenn (Moravia). Malt and malt prod-
ucts. 72

GROUP 15.

40. Ackerbau Ministerium, Vienna. Atlas
of the agriculture of Austria. 83
41. Schachinger, P. Coelestin M., Teut-
endorf (Lower Austria). Work upon cul-
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42. Samencontrol-Station der K.K., Land-
wirtschaftsgesellschaft, Vienna. Publica-
tions on seed raising. 83

GROUP 17.

43. Spieler & Eisler, Vienna. Horn whale-
bones. 90

GROUP 18.

44. Gartenberg, Lanterbach, Goldhammer
& Wagmann, Drohobycz (Galicia). Cer-
esine, paraffine wax. 97
45. Weinkamer Gebruder, Salzburg. Wax
and waxen goods. 97
46. Zaranic, Johann & Co., Grablje (Dal-
matia). Rosemary oil. 95

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| 1. Bailey & Wynne, Terinallum, Darling-
ton. Wool and fleeces. | 60 | 6. Elder, Nairne, The Meadows, Roke-
wood. Wool. | 60 |
| 2. Clarke, Sir Wm. John, Bolinda Vale,
Lancefield. Wool. | 60 | 7. Lewis, Wm., Stoneleigh, Beaufort.
Wool and fleeces. | 60 |
| 3. Cummings, Wm., & Son, Mount Fyans,
Camperdown. Wool fleeces. | 60 | 8. Ritchie, Mrs. Frances, Blythevale,
Streatham. Wool fleeces. | 60 |
| 4. Currie, John, Titanga and Gala, Lis-
more. Wool fleeces. | 60 | 9. Russell Bros., Carngham. Wool
fleeces. | 60 |
| 5. Currie, J. L., & Co., Larra, Camper-
down. Wool fleeces. | 60 | 10. Sanderson, John, & Co., Brie Brie,
Glen Thompson. Wool. | 60 |
| | | 11. Simson, Robert, Langi-kal-kal, Tra-
walla. Wool. | 60 |

BELGIUM.

GROUP 2.

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|---|----|
| 1. Bleyfuesz, Adolphe, Verviers. Ginger
bread. | 13 |
| 2. Demichel, Désiré, Dinant. Cakes and
pastry. | 13 |

GROUP 3.

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| 3. Candeil, Ch., Brussels. Chocolate and
confectionery. | 27 |
| 4. Senez, Ph., Brussels. Confectionery. | 27 |
| 5. Société Générale des Fabricants de
Sucre de Belgique, Brussels. Raw sugar. | 20 |
| 6. Vandemaële, Emile, Brussels. Con-
fectionery. | 27 |

GROUP 6.

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| 7. Schmoele, W. F., & Co., Antwerp.
Extract of meat. | 37 |
| 8. Societe Anonyme Fabrique Interna-
tionale de Conserves Alimentaires "Le
Soleil," Malines. Canned goods. | 36 |

GROUP 8.

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| 9. De Ronne-Delanier, Gand. Chicory. | 45 |
| 10. Jacobs, F. C., Gand. Chicory. | 45 |
| 11. Senez, Ph., Brussels. Chocolate,
cocoa. | 45 |

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| 12. Tinchant, G. E., Antwerp.
<i>a</i> Tobacco. | 48 |
| <i>b</i> Cigars. | 52 |

GROUP 10.

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| 13. Compagnie Fermière des eaux Miné-
rales de Spa, Spa. Mineral water. | 64 |
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GROUP 11.

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| 14. Decoster, J. F., Brussels. Liqueurs. | 69 |
| 15. Masquelier, E., Borgerhout. Bitters. | 70 |
| 16. Planche, L., & Co., Brussels.
Liqueurs. | 70 |
| 17. Van Hoorebeke, frères, Eecloo. Gin. | 67 |

GROUP 12.

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| 18. Bontemps, Jean-Baptiste, Brussels.
Beer. | 73 |
| 19. Goethals, E., Meulebeke. Bottled
beer. | 73 |

GROUP 13.

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| 20. Peglion & Gillet, Boitsfort. Metallic
bottle stoppers. | 77 |
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GROUP 17.

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| 21. De Clerinont & Co., Brussels. Hair
for hat making. | 91 |
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CAPE OF GOOD HOPE.

GROUP 1.

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| 1. Cape of Good Hope.
<i>a</i> Basuto land cereals. | 11 |
| <i>b</i> Flour. | |

GROUP 5.

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|---|----|
| 2. Cape of Good Hope. Dried fruit;
peas and beans. | 32 |
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GROUP 8.

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|---|----|
| 3. Cape of Good Hope.
<i>a</i> Bush tea. | 45 |
| <i>b</i> Tobacco. | 48 |
| <i>c</i> Cigars. | 52 |

GROUP 9.

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|---|----|
| 4. Cape of Good Hope. Wools in fleeces;
stuffed sheep and goats. | 60 |
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GROUP 15.

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| 5. Cape of Good Hope. Kaffir curios;
paintings of flowers and edible fish, colo-
nial maps and photographs, pamphlets,
statistics, etc. | 83 |
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GROUP 17.

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|---|----|
| 6. Cape of Good Hope.
<i>a</i> Tusks of ivory, asbestos. | 90 |
| <i>b</i> Stuffed ostriches, eggs, feathers. | 91 |
| <i>c</i> Stuffed antelopes and birds, guano. | 92 |
| <i>d</i> Salt. | 93 |

CANADA.

GROUP 1.

1. Canadian Government—Central Experimental Farm for Ontario and Quebec, Ottawa. Cereals.
2. Dominion Millers' Association, Toronto. Flour and meal. 11
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.
7. Gilchrist, Charles, Port Hope, Ont. Rice. 6
8. Government of Northwest Territories, Regina. Cereals.
9. Joyner & Elkington, Fort Qu'Appelle, Assa. Flour. 11
10. Moose Mountain Trading Co., Cannington, Assa. Flour. 11
11. Peacock, George C., Mount Salem, Ont. Cereals.
12. Provincial Government of British Columbia, Victoria. Cereals.
13. Provincial Government of Nova Scotia, Halifax. Cereals.
14. Provincial Government of Ontario, Toronto. Cereals.
15. Provincial Government of Quebec, Quebec. Cereals.
16. Western Milling Co., Regina, Assa. Wheat and flour. 11

GROUP 2.

17. British American Starch Co., Brantford, Ont. Starch. 16
18. Christie, Brown & Co., Toronto. Biscuits. 14

GROUP 3.

19. Grimm, G. H., M'fg Co., Montreal. Maple sugar. 21
20. Morrison, W. A., Montreal. Maple sugar and syrup. 21
21. Provincial Government of Ontario, Toronto. Honey. 26
22. Provincial Government of Quebec, Quebec. Honey. 26

GROUP 4.

23. Canadian Government—Central Experimental Farm for Quebec, Ottawa. Potatoes, tubers, etc. 28
24. Canadian Government—Experimental Farm for British Columbia, Agassiz. Potatoes, tubers, etc. 28
25. Canadian Government—Experimental Farm for Manitoba, Brandon. Potatoes, tubers, etc. 28

26. Canadian Government—Experimental Farm for Maritime Provinces, Nappan. Potatoes, tubers, etc. 28
27. Canadian Government—Experimental Farm for North-West Territories, Indian Head. Potatoes, tubers, etc. 28
28. Provincial Government of Ontario, Toronto. Potatoes, tubers, etc. 28
29. Provincial Government of Quebec, Quebec. Potatoes, tubers, etc. 28

GROUP 5.

30. Canadian Government Central Experimental Farm for Ontario and Quebec Ottawa. Beans, pease, etc. 32
31. Canadian Government—Experimental Farm for British Columbia, Agassiz. Beans, pease, etc. 32
32. Canadian Government—Experimental Farm for Manitoba, Brandon. Beans, pease, etc. 32
33. Canadian Government—Experimental Farm for Maritime Provinces, Nappan. Beans, pease, etc. 32
34. Canadian Government—Experimental Farm for North-West Territories, Indian Head. Beans, pease, etc. 32
35. Peacock, George C., Mount Salem, Ont. Beans, pease, etc. 32
36. Provincial Government of Ontario, Toronto. Beans, pease, etc. 32
37. Provincial Government of Quebec, Quebec. Beans, pease, etc. 32

GROUP 6.

38. Bray, T. L., Woolsey, N. W. T. Ham and bacon. 34
39. Leaman, J. A., & Co., Halifax, N. S. Canned meats. 36
40. Truro Condensed Milk & Canning Co., Truro, N. S.
 a Condensed milk. 39
 b Canned coffee. 40
41. Windsor, J. W., Montreal. Canned fruit, vegetables and fish. 36

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42. Canadian Government, Department of Agriculture, Ottawa.
 a Butter. 42
 b Mammoth cheese (11 tons). 43
43. Erie Supply Co., Dutton, Ont. Churns. 44
 United States patent for sale.
44. Fillmore, Chas. D., Oxford Junction, N. S. Butter tub. 44
45. Miller, T. D., Ingersoll, Ont. Cheese. 43
46. Oswald, W. A., Belle Riviere, Que. Egg and butter carrier. 44
47. Peerless M'fg Co., Toronto. Churns. 44
48. Tyndale, George, Toronto. Milk can and skimmer. 41

DEPARTMENT A.—AGRICULTURE.

GROUP 8.

49. Provincial Government of Quebec, Quebec.
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b Cigars. 52

GROUP 9.

50. Livingston, J. J., Baden, Ont. Flax. 59

GROUP 10.

51. Blackwood Bros., Winnipeg, Man. Aerated waters. 65
 52. Gurd, Chas., & Co., Montreal. Aerated waters. 65
 53. Smith, J. R., St. John, N. B. Mineral water. 64

GROUP 11.

- Meagher Bros. & Co., Montreal. Wine. 66
 55. Walker, Hiram, & Sons, Walkerville, Ont. Whisky. 66

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56. Carling Brewing & Malting Co., London, Ont. Ales and beer. 73
 57. Drewry, Edward L., Winnipeg, Man. Beer, ales and stout. 73
 58. Holliday, Thos., Guelph, Ont. Ales. 73
 59. Labatt, John, London, Ont. Ales and stout. 73
 60. Lindberg, John, Halifax, N. S. Beer, ales and stout. 73
 61. Prescott Brewing & Malting Co., Prescott, Ont. Ales and porter. 73

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62. Nova Scotia Government, Halifax. Model of fence and irrigation pump. 79
 63. Pearson, Cooper & Mercer, Toronto. Farm gate and opener. 79
 64. Stone, J. N., Woodbridge, Ont. Swing gate and door closer. 82
 65. Stonge, J. E., Weston, Ont. Farm gate. 79

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66. Abe, John, Engine & Machine Works, Toronto.
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b Traction engine. 89
 67. Blyth M'fg Co., Blythe, Ont. Mower and knife sharpener. 86

68. Campbell, Manson, Chatham, Ont. Fanning mill. 87
 69. Canada Axe & Harvest Tool Co., Montreal. Harvesting tools. 86
 70. Cockshutt Plow Co., Brantford, Ont.
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b Potato digger. 86
 71. Coulthard-Scott Co., Oshawa, Ont.
a Cultivator and harrows. 84
b Drill and seeder. 85
 72. Filshie, Arch., Mount Forest, Ont. Horse power separators. 87
 73. Fleury's, J., Sons, Aurora, Ont.
a Plows. 84
b Grinders, crushers, cutters. 88
 74. Gerolamy, W. A., Tara, Ont. Fanning mill. 87
 75. Grimm, G. H., M'fg Co., Montreal. Sap evaporator. 88
 76. Grout, John H., Grimsby, Ont. Plows. 84
 77. Jackson, Charles, Orillia, Ont. Fanning mill and wheat riddles. 87
 78. Johnston Patent Plow Share Co., Toronto. Plow shares, plows. 84
 79. Massey-Harris Co., Toronto. Agricultural implements. 84
 80. Oshawa Malleable Iron Co., Oshawa, Ont. Iron castings. 88
 81. Provan, James W., Oshawa, Ont. Hay carriers and slings. 86
 82. Ross, Geo., Petrolia, Ont. Sulky plow. 84
 83. Sawyer-Massey Co., Hamilton, Ont.
a Thresher. 87
b Traction engine. 89
 84. Shine, Daniel, Poole, Ont. Grain cradle. 86
 85. Tolton Bros., Guelph, Ont.
a Harrows. 84
b Pea harvesters. 86
 86. Verity Plow Co., Brantford, Ont. Plows. 84
 87. Watson M'fg Co., Ayr, Ont. Reaping and mowing machines. 86
 88. Wilkin, Alex., Birr, Ont. Potato digger. 86

GROUP 18.

89. Livingston, J. J., Baden, Ont. Flax products. Linseed oil and oil cake. 95

CEYLON.

GROUP 1.

1. Ceylon Commission. Indian corn, kurakkan and iringu. 2

GROUP 3.

2. Ceylon Commission. Jaggery sugar and syrup. 18

GROUP 6.

3. Ceylon Commission. Preserves. 37

GROUP 7.

4. Ceylon Commission. Butter. 42

GROUP 8.

5. Ceylon Commission. Coffee, tea, cocoa, cardamons and cinnamon. 45

GROUP 9.

6. Ceylon Commission. Lolupatta, belipatta, hana, nawapatta, madapatta, pathaliya, kalawellapatta, vhatu aralu, damunupatta, flax, nianda patta, gonipatta, nuga aralu, wara, maila, lolu, dammunu, nawa, kalawella, nuga aralu, niada, embulpala, liniyapatta and niyanda fibres, coir and rope. 59

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CEYLON—DENMARK—ECUADOR.

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DENMARK.

<p>GROUP 2.</p> <p>1. Schroder & Jorgensen s Succrs., Copenhagen. Dough cutters. 14</p> <p>GROUP 6.</p> <p>2. Abel, H., Glorup, Funen. Condensed milk in tins. 39</p> <p>GROUP 7.</p> <p>3. Andersen, Chr., Svenborg, Funen. Dairy appliances. 44</p> <p>4. Hegman, Philip W., Copenhagen. Butter in tins. 42</p> <p>5. Larsen, C. F., Copenhagen. Milk centrifugals. 44</p> <p>6. Müller, C. F., Copenhagen. Milking machine. 44</p> <p>7. Nielsen, I., Copenhagen. Milking machine and hand churn. 44</p> <p>8. Paasch, W., Horsens, Jutland. Dairy appliances. 44</p> <p>9. Petersen, I. C., Copenhagen. Milk centrifugal. 44</p> <p>10. Roed, Paul, Copenhagen. Milk and cream controlling apparatus. 44</p> <p>GROUP 8.</p> <p>11. Cloetta Bros., Copenhagen. Chocolate. 45</p>	<p>GROUP 11.</p> <p>12. Hartz, Carl, Copenhagen. Liquors. 67</p> <p>13. Petersen, Jacob, Copenhagen. Liquors. 67</p> <p>GROUP 12.</p> <p>14. Tuborg Factories, Copenhagen. Beer. 73</p> <p>15. United Breweries Company, Ltd., Copenhagen. Extract of malt. 72</p> <p>GROUP 13.</p> <p>16. Jensen, W. E., Copenhagen. Yeast apparatus 74</p> <p>17. Nielson, P., Frederiksborg.</p> <p><i>a</i> Models of village implements. 84</p> <p><i>b</i> Models of planting implements. 85</p> <p><i>c</i> Models of harvesting implements. 86</p> <p>GROUP 18.</p> <p>18. Rasmussen, C. M., & Spies, Copenhagen. Axle grease. 98</p> <p>19. Svendborg Margarine Factory, Svendborg, Funen. Margarine in tins. 94</p>
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ECUADOR.

<p>DEPT. A—AGRICULTURE.</p> <p>GROUP 1.</p> <p>1. <i>a</i> Wheat and tortas. 1</p> <p><i>b</i> Corn. 2</p> <p><i>c</i> Barley. 4</p> <p><i>d</i> Rice. 6</p> <p><i>e</i> Pallares, porotillo, quilluyuya, ratany and quaviduda. 7</p> <p><i>f</i> Scarlet grain, ihuila, lupine, alfalfa and canare. 9</p> <p><i>g</i> Flour and jicamus. 11</p>	<p>GROUP 3.</p> <p>2. <i>a</i> Sugar scrapings. 24</p> <p><i>b</i> Honey. 26</p> <p>GROUP 4.</p> <p>3. <i>a</i> Potatoes, achira, jicamus, mashua. 28</p> <p><i>b</i> Carrots, pelma. 30</p> <p>GROUP 5.</p> <p>4. Kidney, common and castor beans, chick peas, vetchlings, vetches, lentils. 32</p>
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DEPARTMENT A.—AGRICULTURE.

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GROUP 8.	
6. <i>a</i> Cocoa, coffee.	45
<i>b</i> Anotto and anise seed; mustard.	47
GROUP 9.	
7. <i>a</i> Cotton.	53
<i>b</i> Flax; vegetable wool; demajuhua.	59
<i>c</i> Frailejon and sheep's wool.	60
GROUP 10.	
8. Mineral waters.	64
GROUP 17.	
9. Bird feathers.	90
GROUP 18.	
10. <i>a</i> Goose grease.	94
<i>b</i> Castor oil and linseed.	95
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GROUP 19.	
11. <i>a</i> Hurango, cascarilla and sarar barks; cinnamon, zula.	103
<i>b</i> India rubber, palm, laurel and bees-wax; tagua, gum copal, chicaquina, incense, Peruvian gum.	106

<i>c</i> Cocoanuts.	107
<i>d</i> Valerians, sarsaparilla, vanilla, sassafras, musnus, guayusa, remerillo, salvaje, quilluiaspi, quinua.	108
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12. Tropical fruit in alcohol; chontarrurra; tamarinds.	135
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GROUP 22.

13. Dried plants.	164
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14. Petroleum.	294
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15. Potters' clay; kaolin.	304
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GROUP 47.

16. Gypsum.	313
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17. Alum, sulphur, orchil.	316
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18. Cochineal.	
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GERMANY.

GROUP 1.

1. Boettcher & Voelker, Gross Tabarz.	
<i>a</i> Grass seed.	8
<i>b</i> Clover seed.	9
2. Mueller, D., & Co., Hamburg. Seeds.	8

GROUP 2.

3. Bahlsen, H., Frankfort. Infants' food.	16
4. Glaser, Heinrich, Kaiserslautern. Infants' food.	16
5. Hannoversche Cakes-Fabrik, Hanover. Cakes.	13
6. Schneider, Rudolph, Barmen. Infants' food.	16
7. Seyberlich, Alfred, Dresden. Crystallized starch.	16
8. Wurzenzer Kunstmuehlenwerke & Biscuitfabriken, Wurzen, Saxony. Biscuits; wafers.	14

GROUP 3.

9. Bolle, C., Berlin. Milk-sugar. Dairy Bldg.	23
10. Haertinger, Carl, Oberwarngau, Upper Bavaria. An apiary and its products.	26
11. Haertinger, Carl, Oberwarngau. Honey.	26
12. Koritsch, Alphons, Breslau. Confectionery.	27
13. Seelig, Emil, Heilbronn. Candied malt coffee.	27

14. Seyberlich, Alfred, Dresden. Grape sugar.	19
15. Stollwerk, Gebr., Cologne. Confectionery, etc.	27

GROUP 6.

16. Bauer, Henry, Frankfort. Canned sausages.	36
17. Brandt, Martin, Lübeck. Canned fish.	36
18. Chemisch-Technisches & Hygienisches Just., Frankfort.	
<i>a</i> Soups.	37
<i>b</i> Condensed milk.	39
19. Michel, Aug., Strassburg. Canned meat and game; goose liver patties.	36
20. Natura Milch Export Gesellschaft, Waren. Sterilized milk and cream.	40
21. Pfriend, Joseph, Wurzburg.	
<i>a</i> Canned meats.	36
<i>b</i> Sausage.	37
22. Schmidt, Heinrich, Frankfort-on-Main. Canned sausages	37
23. Schoerke, Alexander, Dresden. Giant sausage.	37
24. Tuerk & Pabst, Frankfort-on-Main. Canned sausages.	37

GROUP 7.

25. Baldauf, Martin, Gossholz near Lindau, Bavaria. Cheese.	43
26. Bergedorfer Risenwerk, Bergedorf. Centrifugal churns.	44
27. Brandt, Martin, Lübeck. Canned butter for export.	42

GERMANY.

28. Gronwald, Berlin. Milk sterilizing apparatus. 41
 29. Lefeldt, W., & Bentsch, Schoeningen. Steam and hand milk skimmers. 41
 30. Neuhauss, Berlin. Milk sterilizing apparatus. 41
 31. Oehlmann, Berlin. Milk sterilizing apparatus. 41

GROUP 8.

32. Chemisch-Technisches & Hygienisches Just., Frankfurt. Chocolate. 45
 33. Erdmann, J. C., Armstadt. Cloves. 47
 34. Frank, Heinrich, & Son, Ludigsburg Wurtemberg. Coffee adulterations. 45
 35. Goedeckemeyer, C., & Co., Freinsheim. Coffee essence. 45
 36. Guggenheim, Adolf, Gailingen. Hop extracts and oils; distilled hops. 46
 37. Pfeiffer & Diller, Horchheim. Coffee adulterations. 45
 38. Rathje, A., & Son, Ploen, Holstein. Chewing tobacco. 51
 39. Reinemann, J., Nuremberg. Hops. 46
 40. Ritter & Co., Dresden. Cigars. 52
 41. Scheuer, Geo. Joseph, Fuerth, Bavaria. Coffee adulterations. 45
 42. Schulein, Simon, Ellingen, Bavaria. Hops. 46
 43. Seelig, Emil, Heilbronn. Coffee, coffee essences and substitutes. 45
 44. Stein & Koester, Mayence. Hops. 46
 45. Uhlfelder, Ludwig, Nuremberg. Hops. 46
 46. Van Guelpen, Max, Muelheim. Cigar machines. 49
 47. Werthheimer & Mathias, Karlsruhe. Cigar wrapper machine. 49

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48. Leipziger Wollkaemmerei, Leipsic. Combed wool. 60

GROUP 10.

49. Appollinaris Company, Ltd., London. Mineral water. 64
 50. Böhr, H., & Eylert, Düsseldorf. Mineral water. 64
 51. Fachingen on the Lahn. Mineral water. 64
 52. Gerolstein Hause & Charlottenquellen, Gerolstein. Mineral water. 64
 53. Gerolsteiner Sprudel, Gerolstein. Mineral water. 64
 54. Kgl. Preussisches Bad, Neundorf. Sulphur water, etc. 64
 55. Kronthaler Mineralquellen, Kronthal. Mineral water. 64
 56. Niederselters, Wiesbaden. Mineral water. 64
 57. Rheinische Gesellschaft fuer Metal Industrie, Cologne. Mineral water. 64
 58. Rhenser Mineral-brunnen, Rhens. Mineral water. 64
 59. Schwalheimer Brunnen-Comptoir, Schwalheim. Mineral water. 64
 60. Soolbad Juliushall, Harzburg. Mineral water. 64
 61. Weinberg Hitzacker, Sanitarium. Mineral water. 64

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62. Aberle, Carl, Gutach, Baden. Liqueurs. 69

63. Arr, Ernst L., Kiel. Bitters. 70
 64. Boll, D. H., Luetjenburg, Holstein. Rye whisky, etc. 66
 65. Buff, Ludwig, Echternach. Cordials. 69
 66. Deutsche Benediktine Liqueur Fabrik, Waldenburg in Silesia. Liqueurs. 69
 67. Dieffenbach, J. W., Munich. Liqueurs. 69
 68. Frick, Fr., Lahr, Baden. Liqueurs. 69
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 70. Gilka, J. A., Berlin. Liqueurs. 69
 71. Kantorowics, David, Posen. *a* Cordials and liqueurs. 69
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 72. König, H. L., Steinhagen, Westphalia. *a* Gin and materials. 67
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4. Hikotaro Abe, Osaka. Rice. 6
5. Hikotaro Tanaka, Saitama. Rice. 6
6. Ichiroji Koike, Saitama. Rice. 6
7. Issei Nagano, Kumamoto. Rice. 6
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12. Jirobei Suzuki, Saitama. Rice. 6
13. Kamekichi Koyama, Saitama. Rice. 6
14. Kanshiro Ando, Gifu. Rice. 6
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16. Katagata County Rice Culturing Association, Gifu. Rice. 6
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23. Kozaburo Sanata, Saitama. Rice. 6
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28. Kyusaku Takeda, Toyama. Rice. 6
29. Mataeoman Hara, Saitama. Rice. 6
30. Miwakichi Hara, Saitama. Rice. 6
31. Mosaku Yomoda, Saitama. Rice. 6
32. Nanjyo and Hoi Villages Agricultural Association, Chiba. Rice. 6
33. Nisaku Imanishi, Gifu. Rice. 6
34. Nobuyoshi Fukuchi, Saga. Rice. 6
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36. Private Agricultural Association, Kumamoto. Rice. 6
37. Rifu Village Agricultural Association, Miyagi. Rice. 6
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39. Rikinosuke Ishikawa, Akita. Rice. 6
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50. Tahei Watanabe, Ehime. Rice. 6
51. Takenosuke Tajima, Saitama. Rice. 6
52. Takichi Koyama, Yamagata. Rice. 6
53. Tokuro Ishikawa, Saitama. Rice. 6
54. Tokutaro Okuma, Saitama. Rice. 6
55. Tosaburo Takahashi, Gifu. Rice. 6
56. Tsunehachi Iijima, Saitama. Rice. 6
57. Tsurukame Fuchinoue, Kumamoto. Rice. 6
58. Tsurutaro Matsumoto, Saitama. Rice. 6
59. Union Rice Exchange, Ehime. Rice. 6
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61. Utakichi Arai, Saitama. Rice. 6
62. Wasuka Yusuda, Gifu. Rice. 6
63. Wazo Sekine, Saitama. Rice. 6
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79. Shimpei Mori, Kumamoto. Vermicelli. 15
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83. Shohei Sato, Miyagi. Maccaroni. 15
84. Tözö Shigemura, Osaka. Vermicelli. 15
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101. Sōbei Chikada, Hiroshima. Canned oysters. 36	138. Hiroshichi Mochizuki, Shizuoka. Green tea. 45
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110. Bumpachi Miyasaki, Saga. Green tea. 45	147. Ihei Kamohara, Fukushima. Green tea. 45
111. Bunemon Isagawa, Gifu. Green tea. 45	148. Ihei Osaki, Shizuoka. Green tea. 45
112. Bunkichi Matsui, Fukui. Tobacco leaf. 48	149. Ikichi Uozumi, Kumamoto. <i>a</i> Tobacco. 51 <i>b</i> Cigarettes. 52
113. Bunroku Maruo, Shizuoka. Green tea. 45	150. Ikutarō Ishikawa, Saitama. Green tea. 45
114. Buzaemon Sanada, Shiga. Green tea. 45	151. Imakichi Yamada, Shizuoka. Green tea. 45
115. Chōkichi Yamamoto, Shizuoka. Green tea. 45	152. Isaburo Tahata, Shizuoka. Green tea. 45
116. Chōzō Ikeya, Saitama. Green tea. 45	152a. Isokichi Miyashita, Gumma. Tobacco leaf. 48
117. Chuji Yoshida, Gifu. Green tea. 45	153. Isuke Tono, Osaka. <i>a</i> Tobacco. 51 <i>b</i> Cigarettes. 52
118. Chūzō Yamamoto, Shizuoka. Green tea. 45	154. Iwanoshin Itō, Saitama. Green tea. 45
119. Chyubei Asami, Saitama. Green tea. 45	155. Jimbei Nakamura, Tokyo. Black tea. 45
120. Denkichi Hiramatsu, Shizuoka. Green tea. 45	156. Jinzaburo Kam, Ibarari. Tobacco leaf. 48
121. Denichi Matahira, Shizuoka. Green tea. 45	157. Kahei Otani, Yokahama. Tea (pan and basket fired). 45
122. Esaburō Sait, Shizuoka. Green tea. 45	158. Kaichirō Ōishi, Kyōto. Green tea. 45
123. First Yamashiro Tea M'fg. Co., Kyoto. Green tea. 45	159. Kaichi Takayangi, Saga. Green tea. 45
124. Fumio Onishi. Tobacco Leaf. 48	160. Kataro Nozaki, Kagoshima. Green tea. 45
125. Gengo Nishimura, Shiga. Black tea. 45	161. Katsuzo Ono, Tokushima. Tobacco leaf. 48
126. Genkichi Oyaizu, Shizuoka. Green tea. 45	162. Kakutarō Yamazaki, Saitama. Green tea. 45
127. Genzaemon Isokawa, Gifu. Green tea. 45	163. Kametarō Yamamoto, Kōbe. Green tea. 45
128. Gonichi Wada, Shizuoka. Green tea. 45	164. Kamiuchida Village Union, Shizuoka. Green tea. 45

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| 165. Kanjiro Yasukawa, Chiba. Green tea. 45 | 207. Makichi Suzuki, Shizuoka. Green tea. 45 |
| 166. Kanzō Iwai, Kyōto. Green tea. 45 | 208. Mikajima Trade Association, Saitama. Green tea. 45 |
| 167. Kasuke Yoshida, Saitama. Green tea. 45 | 209. Mikiemon Tsuruoka, Chiba. Green tea. 45 |
| 168. Kazō Muramastu, Shizuoka. Green tea. 45 | 210. Mitsutarō Tsukija, Shizuoka. Green tea. 45 |
| 169. Kazumune Hitomi, Okayama. Tobacco. 51 | 211. Mitsuzo Tanaka, Saitama. Green tea. 45 |
| 170. Kenjiro Sato, Okayama. Tobacco leaf. 48 | 212. Miyoji Matsuo, Nagasaki. Green tea. 45 |
| 171. Kenjiro Yamanoto, Shizuoka. Green tea. 45 | 213. Miyokichi Suzuki, Tochigi. Tobacco leaf. 48 |
| 172. Kihachiro Moriyama, Osaka. a Tobacco. 51 | 214. Nagahide Honda, Tochigi. Green tea. 45 |
| b Cigarettes. 52 | 215. Nakashirō Mihara, Shizuoka. Green tea. 45 |
| 173. Kihachiro Uehara, Saitama. Green tea. 45 | 216. Naka Tani, Miyazaki. Black and green tea. 45 |
| 174. Kijiro Murata, Iwate. Tobacco leaf. 48 | 217. Nihei Takeyama, Fukui. Green tea. 45 |
| 175. Kikuro Okada, Nara. Green tea. 45 | 218. Nizaemon Tashiro, Kagoshima. Green tea. 45 |
| 176. Kinjiro Fukuda, Gifu. Green tea. 45 | 219. Nobukichi Otani, Saitama. Green tea. 45 |
| 177. Kinjiro Sugimoto, Shizuoka. Green tea. 45 | 220. Okayama-ken Tea Association, Okayama. Black tea. 45 |
| 178. Kijuro Nagasawa, Shizuoka. Green tea. 45 | 221. Otokichi Seshimo, Gumma. Tobacco leaf. 48 |
| 179. Kisaku Ota, Shizuoka. Green tea. 45 | 222. Rihei Harada, Shizuoka. Green tea. 45 |
| 180. Kitaro Shirahata, Shizuoka. Green tea. 45 | 223. Rihei Tsuji, Kyōto. Green tea. 45 |
| 181. Kito Co., Kasahara Village, Shizuoka. Green tea. 45 | 224. Rinji Yano, Gifu. Green tea. 45 |
| 182. Kito Co., Kawashero Village, Shizuoka. Green tea. 45 | 225. Rinzo Miyashita, Gumma. Tobacco leaf. 48 |
| 183. Kito Co., Nakauchida and Shimochida Village Union, Shizuoka. Green tea. 45 | 226. Rinzo Seshimo, Gumma. Tobacco leaf. 48 |
| 184. Kizaemon Kinoshita, Kyōto. Green tea. 45 | 227. Risuke Tsuji, Kyōto. Green tea. 45 |
| 185. Kogen Mabuchi, Shizuoka. Green tea. 45 | 228. Rokuroemon, Ozawa, Shizuoka. Green tea. 45 |
| 186. Kōgorō Yamashita, Shizuoka. Green tea. 45 | 229. Ryobei Tomita, Shizuoka. Green tea. 45 |
| 187. Kohei Makioka, Gifu. Green tea. 45 | 230. Ryoza Miyake, Saitama. Green tea. 45 |
| 188. Kohei Shinozaki, Shizuoka. Green tea. 45 | 231. Saburobei Kamiki, Saitama. Green tea. 45 |
| 190. Kojiro Tonooka, Shizuoka. Green tea. 45 | 232. Saburō Saka, Shizuoka. Green tea. 45 |
| 191. Kumakichi Kaygeyama, Shizuoka. Green tea. 45 | 233. Sadakaze Eguchi, Saga. Green tea. 45 |
| 192. Kumamoto-ken Tea Association, Kumamoto. Green tea. 45 | 234. Sadanosuke Ishikawa, Chiba. Green tea. 45 |
| 193. Kumatarō Okano, Saitama. Green tea. 45 | 235. Sadatake Eguchi, Saga. Green tea. 45 |
| 194. Kumo Itō, Kyōto. Green tea. 45 | 236. Sajiro Matsuda, Nara. Green tea. 45 |
| 195. Kuraoka Donen Association, Miyasaki. Tobacco leaf. 48 | 237. Sajuro Oishi, Shizuoka. Green tea. 45 |
| 196. Kuro Nishiise, Tokushima. Tobacco leaf. 48 | 238. Sakuhei Morinaga, Saga. a Leaf tobacco. 48 |
| 197. Kurozaemon Katahira, Shizuoka. Green tea. 45 | b Tobacco. 51 |
| 198. Kyōriku Association, Shizuoka. Green tea. 45 | c Cigarettes. 52 |
| 199. Kyosan Co., Saitama. Green tea. 45 | 239. Sagenda Nakao, Tokushima. Tobacco leaf. 48 |
| 200. Kyōto-Fu Tea Traders' Union, Kyoto. Green tea. 45 | 240. Sakujiro Tsuji, Saga. a Leaf tobacco. 48 |
| 201. Kyōto Tea Association, Kyōto. Green tea. 45 | b Tobacco. 51 |
| 202. Kyubei Koyama, Kyōto. Green tea. 45 | c Cigarettes. 52 |
| 203. Kyuzaburo Otake, Shizuoka. Green tea. 45 | 241. Sakura Association, Chiba. Green tea. 45 |
| 204. Magojirō Sakamoto, Shizuoka. Green tea. 45 | 242. Sanshirō Mori, Nagasaki. Green tea. 45 |
| 205. Magosaburo Okada, Gumma. Tobacco leaf. 48 | 243. Sanshu Nishimura, Chiba. Green tea. 45 |
| 206. Matsujiro Ishiguro, Toyama. Green tea. 45 | 244. Sanzaemon Mori, Chiba. Green tea. 45 |
| | 245. Satakichi Tsujii, Nara. Green tea. 45 |
| | 246. Sehei Katsuyama, Shizuoka. Green tea. 45 |

DEPARTMENT A.—AGRICULTURE.

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| 247. Seigo Kanada, Fukuoka. Green tea. | 45 | 286. Tokujirō Ōzawa, Saitama. Green tea. | 45 |
| 248. Seiichi Sawano, Shizuoka. Green tea. | 45 | 287. Tokujirō Sasano, Shizuoka. Green tea. | 45 |
| 249. Seinojō Matsuo, Kyōto. Green tea. | 45 | 288. Tokushimaken Tea Men's Union, Tokushima. Green tea. | 45 |
| 250. Seinosuke Narita, Kobe. Green tea. | 45 | 289. Tomijiro Akimotō, Saitama. Green tea. | 45 |
| 251. Seiroku Yamanashi, Shizuoka. Green tea. | 45 | 290. Tosa Tea Association, Kochi. Green tea. | 45 |
| 252. Seisuke Mori, Shiga. Green tea. | 45 | 291. Toyota Co., Kuma Village Tea Traders, Shizuoka. Green tea. | 45 |
| 252a. Seitaro Tanoue, Miyasaki. Tobacco leaf. | 48 | 292. Toyotaro Wada, Shizuoka. Green tea. | 45 |
| 253. Seizaemon Kosaka, Kyōto. Green tea. | 45 | 293. Toyozo Ishikawa, Tokushima. Tobacco leaf. | 48 |
| 254. Seizaemon Tanaka, Kyōto. Green tea. | 45 | 294. Tsunehachi Lijima, Saitama. Green tea. | 45 |
| 255. Senroku Iketa, Saga. | | 295. Tsunehachi Kishi, Tokushima. Tobacco leaf. | 48 |
| <i>a</i> Leaf tobacco. | 48 | 296. Tsunejiro Tomono, Shizuoka. Green tea. | 45 |
| <i>b</i> Tobacco. | 51 | 297. Tsunejirō Ueda, Kyōto. Green tea. | 45 |
| <i>c</i> Cigarettes. | 52 | 298. Tsuto Mori, Nara. Green tea. | 45 |
| 256. Senzaemon Fujizaki, Kagoshima. Tobacco leaf. | 48 | 299. Uhei Mori, Gumma. Tobacco leaf. | 48 |
| 257. Shichiemon Tomozumi, Saitama. Green tea. | 45 | 300. Umenosuke Kimura, Ōsaka. Green tea. | 45 |
| 258. Shida Co., Hanashi Village, Shizuoka. Green tea. | 45 | 301. Umezo Asami, Saitama. Green tea. | 45 |
| 259. Shijiro Watanabe, Yokahama. Green tea. | 45 | 302. Unosuke Sakabe, Kyōto. Green tea. | 45 |
| 260. Shimataro Maeda and one other, Shizuoka. Green tea. | 45 | 303. Utarō Kurebayashi, Shizuoka. Green tea. | 45 |
| 261. Shinemon Isawa, Tochigi. Green tea. | 45 | 304. Wakataro Tokushima, Shizuoka. Green tea. | 45 |
| 262. Shintaro Nishiyama, Tochigi. Tobacco leaf. | 48 | 305. Yahei Ono, Tokushima. Tobacco leaf. | 48 |
| 263. Shiroji Mitsuhashi, Shizuoka. Green tea. | 45 | 306. Yaichi Naitō, Shizuoka. Green tea. | 45 |
| 264. Shizuoka-ken Oolong Tea Union, Shizuoka. Oolong tea. | 45 | 307. Yamana Co., Kasanishi Village, Shizuoka. Green tea. | 45 |
| 265. Shotaro Hara, Shizuoka. Green tea. | 45 | 308. Yamashiro Momoyama Tea M'fg Co., Kyōto. Green tea. | 45 |
| 266. Shotaro Yamaguchi, Gumma. Tobacco leaf. | 48 | 309. Yamashiro Yebune Tea M'fg Co., Kyōto. Green tea. | 45 |
| 267. Shuhei Kuramochi, Ibaraki. Green tea. | 45 | 310. Yoichi Kirihara, Kagoshima. Green tea. | 45 |
| 268. Sohachi Hirose, Ibaraki. Tobacco leaf. | 48 | 311. Yohei Tsuneno, Kyōto. Green tea. | 45 |
| 269. Sojyu Morita, Ibaraki. Green tea. | 45 | 312. Yoichirō Sube, Shizuoka. Green tea. | 45 |
| 270. Sonogi Chiwata Tea Manufacturing Co., Nagasaki. Green tea. | 45 | 313. Yosaku Miyasaki, Shizuoka. Green tea. | 45 |
| 271. Sōsuke Irie, Kyōto. Green tea. | 45 | 314. Yonesaburo Takahashi, Gumma. Tobacco leaf. | 48 |
| 272. Tajiro Muramatsu, Shizuoka. Green tea. | 45 | 315. Yoshimichi Nagata, Shizuoka. Green tea. | 45 |
| 273. Takijiro Nakamura, Shizuoka. Green tea. | 45 | 316. Yoshinobu Harayama, Shizuoka. Green tea. | 45 |
| 274. Takusen Co., Shizuoka. Green tea. | 45 | 317. Yoshihori Edakawa, Tokushima. Cigarettes. | 52 |
| 275. Tamaki Kitagawa, Kyōto. Green tea. | 45 | 318. Yōzō Takata, Shizuoka. Green tea. | 45 |
| 276. Tamaki Watanabe, Nagasaki. Red tea. | 45 | 319. Yoshitarō Moriya, Shizuoka. Green tea. | 45 |
| 277. Tashichi Unno, Shizuoka. Green tea. | 45 | 320. Zenkichi Aoyama, Shizuoka. Green tea. | 45 |
| 278. Tea Manufacture Training School, Saitama. Green tea. | 45 | 321. Zentaro Yamamoto, Kumamoto. | |
| 279. Teichi Hara, Gifu. Green tea. | 45 | <i>a</i> Leaf tobacco. | 48 |
| 280. Teizui Honda, Shiga. Green tea. | 45 | <i>b</i> Tobacco. | 51 |
| 281. Tobei Iwata, Chiba. Green tea. | 45 | <i>c</i> Cigarettes. | 52 |
| 282. Tobei Tsuji, Saga. | | 322. Zenzaburo Ishibashi, Chiba. Green tea. | 45 |
| <i>a</i> Leaf tobacco. | 48 | | |
| <i>b</i> Tobacco. | 51 | | |
| <i>c</i> Cigarettes. | 52 | | |
| 283. Toichirō Morishita, Shizuoka. Green tea. | 45 | | |
| 284. Tokujiro Kawabata, Saitama. Green tea. | 45 | | |
| 285. Tokujiro Kisawa, Gifu. Green tea. | 45 | | |

GROUP 9.

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| 323. Buhei Ishikawa, Kanagawa. Coconuts. | 61 |
| 324. Chozo Murakami, Okayama. Snake-gourd. | 59 |

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- 325. Dempachi Kurokawa, Tochigi. Hemp. 59
- 326. Dengoro Takenouchi, Aichi. Snake-gourd. 59
- 327. Fukuho Shokita, Okinawa. Plantain fibre. 59
- 328. Gempachiro Inouye, Tochigi. Hemp. 59
- 329. Gumma Silk Raising Association, Gumma. Cocoons. 61
- 330. Hanzo Minekishi, Tochigi. Hemp. 59
- 331. Jyunki Association, Gumma. Cocoons. 61
- 332. Jyuzo Sakamoto, Tochigi. Hemp. 59
- 333. Kinjyuro Tamura, Kanagawa. Cocoons. 61
- 334. Kiseki Silk Raising Association, Gumma. Cocoons. 61
- 335. Kitakanra Silk Raising Association, Gumma. Cocoons. 61
- 336. Kosaku Ochiai, Tochigi. Hemp. 59
- 337. Kyodo Silk Raising Association, Gumma. Cocoons. 61
- 340. Meiyo Association, Gumma. Cocoons. 61
- 341. Mokichi Yoshida, Gumma. Hemp. 59
- 342. Moshichi Oide, Tochigi. Hemp. 59
- 343. Motojyuro Nagashima, Tochigi. Hemp. 59
- 344. Naganuma Silk Raising Association, Gumma. Cocoons. 61
- 345. Oshio Silk Raising Association, Gumma. Cocoons. 61
- 346. Seihei Toyonaga, Kumamoto. Hemp. 59
- 347. Seishinsha, Kanagawa. Cocoons. 61
- 348. Sempachi Kamima, Okinawa. Hemp fibre. 59
- 349. Taiichiro Kamiyama, Tochigi. Hemp. 59
- 350. Takayama Silk Raising Co., Gumma. Cocoons. 61
- 351. Uyeno Silk Raising Co., Gumma. Cocoons. 61
- 352. Yahei Tashima, Gumma. Cocoons. 61
- 353. Yejiro Oguruma, Kumamoto. Hemp. 59
- 354. Yekishin Silk Raising Association, Gumma. Cocoons. 61
- 355. Zenjiro Ito, Tochigi. Hemp. 59

GROUP 10.

- 356. Itaro Hinotsume, Ishikawa. Crystallized mineral water. 64
- 357. Kei Isono, Yokohama. Mineral waters. 64

GROUP 11.

- 358. Brewing Co., Hyogo. Saki. 67
- 359. Eijiro Awano, Osaka. Saki. 67
- 360. Eijiro Suga, Hyogo. Mirin. 69
- 361. Eishichi Takeuchi, Osaka. Saki. 67
- 362. Etsuzo Tatsuma, Hyogo. Saki. 67
- 363. Hanemon Tatsuma, Hyogo. Saki. 67
- 364. Heibei Nakamura, Osaka. Vinegar. 71
- 365. Ihei Kihara, Hyogo. Saki. 67
- 366. Jiemon Inafu, Aichi. Saki. 67
- 367. Jiroemon Kano, Hyogo. Saki. 67
- 368. Kahei Masuyama, Osaka. Saki. 67
- 369. Kashichi Naruto, Osaka. Vinegar. 71
- 370. Keitaro Yagi, Chiba. Mirin. 69
- 371. Kenyu Watanabe, Hyogo. Saki. 67
- 372. Kichibei Kubo, Aichi. Saki. 67
- 373. Kihei Ishizaki, Hyogo. Saki. 67

- 374. Kihei Kimura, Hyogo. Saki. 67
- 375. Koma Shibatani, Osaka. Saki. 67
- 376. Komakichi Torii, Osaka. Saki. 67
- 377. Mansuke Izumi, Hyogo. Saki. 67
- 378. Mohei Tsujikawa, Osaka. Saki. 67
- 379. Mozaemon Wakabayashi, Hyogo. Saki. 67
- 380. Nada Brewer Assn., Hyogo. Saki. 67
- 381. Rihei Nakamura, Osaka. Vinegar. 71
- 382. Rihei Watatani, Osaka. Saki. 67
- 383. Rikimatsu Konishi, Hyogo. Vinegar. 71
- 384. Rokuzaemon Noda, Gumma. Saki. 67
- 385. Sasuke Ito, Osaka. Vinegar. 71
- 386. Sasuke Sawata, Osaka. Saki. 67
- 387. Seibe Morimoto, Osaka. Saki. 67
- 388. Shinemon Konishi, Hyogo. Saki. 67
- 389. Shinzo Otsuka, Osaka. Saki. 67
- 390. Shozo Kato, Osaka. Saki. 67
- 391. Tadao Makino, Hyogo. Saki. 67
- 392. Takejiro Shibatani, Osaka. Saki. 67
- 393. Taki Tatsuma, Hyogo. Saki. 67
- 394. Tokichi Okazaki, Hyogo. Saki. 67
- 395. Tokubei Taku, Osaka. Saki. 67
- 396. Uhei Maruyama, Osaka. Saki. 67
- 397. Wasaburo Otsuka, Osaka. Saki. 67
- 398. Yasujiro Itani, Osaka. Saki. 67
- 399. Yohachiro Koetsuka, Osaka. Saki. 67

GROUP 12.

- 400. Fusagoro Mogi, Chiba. Soy (sauce for fish). 72
- 401. Gemba Tanaka, Chiba. Soy. 72
- 402. Genjiro Mori, Kumamoto. Ame (malt extract). 72
- 403. Heizaemon Takanashi, Chiba. Soy. 72
- 404. Hidetaro Ichihara, Kumamoto. Soy. 72
- 405. Hikoshiro Okubo, Kumamoto. Soy. 72
- 406. Ichisuke Hirano, Shiga. Ame. 72
- 407. Ihei Ueda, Osaka. Malt. 72
- 408. Inosuke Uede, Osaka. Malt. 72
- 409. Kakichi Seki, Chiba. Soy. 72
- 410. Kakuroku Sonoda, Kumamoto. Ame. 72
- 411. Kanzo Shirai, Osaka. Ame. 72
- 412. Keihachi Kobayagawa, Kumamoto. Ame. 72
- 413. Kichibei Fukai, Chiba. Soy. 72
- 414. Kichiemon Aoki, Gumma. Soy. 72
- 415. Kisuke Nakamura, Osaka. Ame. 72
- 416. Koshi Yokota, Hyogo. Ame. 72
- 417. Kuhei Matsui, Hyogo. Ame. 72
- 418. Kumataro Ise, Kumamoto. Ame. 72
- 419. Kumahachi Kimura, Kumamoto. Ame. 72
- 420. Kyujiro Ando, Osaka. Ame. 72
- 421. Matasaburo Kawamori, Osaka. Soy. 72
- 422. Matsuo Kurashima, Ibaraki. Soy. 72
- 423. Mojiyuro Otsuka, Hyogo. Soy. 72
- 424. Mozaemon Ino, Chiba. Soy. 72
- 425. Naoki Matsuoka, Tokyo. Soy. 72
- 426. Noboro Kawaura, Tokyo. Ame. 72
- 427. Osaka Brewing Co., Osaka. Beer. 73
- 428. Otoemon Kajiya, Chiba. Soy. 72
- 429. Rokubei Wakae, Osaka. Soy. 72
- 430. Rokuzaemon Noda, Gumma. Soy. 72
- 431. Senkichi Sugiyama, Yamaguchi. Ame. 72
- 432. Shirosuke Yagi, Chiba. Soy. 72
- 433. Shichirozaemon Mogi, Chiba. Soy. 72
- 434. Shokuro Natsumami, Kumamoto. Ame. 72

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435. Shozo Kamasaka and one other, Hyogo. Ame. 72	460. Kichibei Mori, Shiga. Rape seed oil. 95
436. Tadakata Yamaoka, Osaka. Ame. 72	461. Kosaburo Kobashiri, Osaka. Vegetable oil. 95
437. Tateki Irokawa, Tokyo. Soy. 72	462. Kotaro Kurota, Ehime. Raw wax. 97
438. Tatsuno Soy Ass'n, Hyogo. Soy. 72	463. Kusutaro Fukuda, Osaka. Bleached wax. 97
439. Tokuheji Horibe, Osaka. Soy. 72	464. Magojiro Kita, Osaka. Bleached wax. 97
440. Tosuke Kumon, Kochi. Ame. 72	465. Manjiro Nishimura, Saga. Bleached wax. 97
441. Tsuneemon Tanaka, Chiba. Soy. 72	466. Matazo Kawabara, Nagasaki. a Whale oil. 94
442. Yasaburo Hino, Osaka. Ame. 72	b Whale wax. 97
442a. Yohei Takahama, Osaka. Soy. 72	467. Matsugoro Tsujimoto, Osaka. Cotton seed oil. 95
443. Zenkichi Tamazawa, Chiba. Soy. 72	468. Mosaburo Hodono, Ehime. Bleached wax. 97
GROUP 15.	
444. Agricultural Association, Hokkaido. Collective exhibit. 83	469. Naokichi Kuma, Fukuoka. Rape seed oil. 95
445. Yujiro Kato, Fukushima. Book on Sericulture. 83	470. Rihei Tanisawa, Osaka. Candles. 97
GROUP 17.	
446. Kichibei Doi, Osaka. Glue. 90	471. Ryokichi Kitahara, Saga. Bleached wax. 97
447. Matazo Kawabara, Nagasaki. Whalebones. 90	472. Sanjiro Tsukushi, Osaka. Bleached wax. 97
GROUP 18.	
448. Bushiro Terata, Ibaraki. Oil. 95	473. Sataro Haraoka, Saga. Bleached wax. 97
449. Chozo Isobe, Shiga. Brassica chinensis. 95	474. Seibei Inagaki, Toyama. Vegetable oil. 95
450. Eizo Matsuta, Shiga. Rape seed oil. 95	475. Shimbei Ikenaga, Osaka. Rape seed oil. 95
451. Gihei Morimoto, Shiga. Rape seed oil. 95	476. Shinroji Shimizu, Oita. Bleached wax. 97
452. Gihei Nakamura, Osaka. Bleached wax. 97	477. Sutekichi Nata, Osaka. Rape seed oil. 95
453. Gonschichiro Ogawa, Toyama. Vegetable oil. 95	478. Tahei Tamiya, Ibaraki. Rape seed oil. 95
454. Heihachi Okuda, Gifu. Rape seed oil. 95	479. Tejiro Kitaura, Osaka. Rape seed oil. 95
455. Ichiroji Inumaru, Saga. Bleached wax. 97	480. Torajiro Kochi, Hyogo. Bleached wax. 97
456. Iwakichi Matsushima, Nagasaki. Camellia japonica oil. 95	481. Wax M'fg Co., Fukuoka. Raw and bleached wax. 97
457. Kahei Ueta, Kumamoto. Camellia oil. 95	482. Yasuomi Aiga, Kumamoto. Bleached wax. 97
458. Kawajiri Whale Fishery Co., Yamaguchi. Whale oil. 94	
459. Kenji Ninagi, Oita. Bleached wax. 97	

LIBERIA.

1. Barline Tribe. 12 Baskets; 13 Hats; Dip Net; Cooking Pot.
2. Bassa Tribe. Passava Cap; Jacko Skin; Raccoon Skin.
3. Boatswain Tribe. Fishing Lines and King Jars. 8 Blue and White Double Country Cloths; 16 Charm Armlets; War Collar; 3 War Caps; Iron Hand Fetish; 3 Fifes; Snuff Gourd; 5 Grass Hats; 2 Powder Horns; 24 Open-work Grass Hammocks; 3 Horns (Musical Instruments); 5 Native Staffs.
4. Congo Tribe. 6 Crawfish Baskets; Bamboo Mat.
5. Dey Tribe. Wooden Bowl, Canoe Paddles, Charms. 13 Bows and Arrows; Strainer for Palm Butter; Bamboo Fish Basket; Grass Basket; Wooden Bowl with Handle; 6 Bowls; Dish Cover; Dipper; Devil's Robe Dress; Devil's Head; 2 Devil's Faces with Cloth to be attached; Skin Porcupine Fan; Native Fetish; 3 Powder Flasks; Dipper Gourd; Powder Gourd; 2 Palm Oil Calabash Gourds; White Gown; Draft Board (Games); Poo Board (Games); Wooden Idol; Wooden Ladle; 3 Mortars; 8 Small Wooden Spoons; Carved Stool for Kings (Whismore); 4 Large Rice Spoons; 2 Large Soup Spoons; 2 Eating Spoons; 4 Pairs Wooden Sandals; Rattan Pot Stand.
6. Gedibo Tribe. Rouge Bag; Bell; War Cap; 2 Poo Boards (Games); Carved Calabash Gourd; Large Native House (Model); Horn; Hammock; Cocoa Mat; 2 Grass War Skirts.
7. Golah Tribe. War Collar; Musical Instruments; Country Chalk; 2 Adzes; Blacksmith's Bellows; Rouge Bag; 2 War Collars; Country Smoking Cap; Copper

LIBERIA.

- Necklace with double charms; 4 Canoes; Blacksmith's Hammer; Chief's Hat; Circular Knife; 4 Ring Knives; 2 Large Wooden Spoons; Double Wooden Spoon.
3. **Kroo Tribe.** Canoe.
9. **Liberia.** Arrow-root; Skins of Native Animals; Palm and other Oils; Ropes; Resin; Medicinal Plants; Palm Soap; Casada Starch; Seeds; Cane Sugar and Syrup; Rice; Pepper; Orchids; Cocoa and other Nuts; Native Dyes; Coffee; Corn; Cotton; Personal Adornments; Specimens of Currency; Spoons, Silver Keys and Jewelry; Quills, Quivers and Arrows; Postage Stamps; Hippopotamus Bones and Skins; Photographs; Medals; Hammer; Coins; Chairs; Law Books and Books of the Koran; Bricks; Minerals; Castor Oil Beans; Kaffee Seed; India Rubber; Ginger; Assorted Fibres; Cocoa.
10. **Liberia College.** Ferns.
11. **Liberia Tribe.** Gum Arabic; Case Arrow-root; Bag Calabar Beans; Parcel Snake Bones; 6 Snake Bones; 9 Birds; 40 Bags Coffee; Cotton; 7 Bags Cocoa; 50 Ears Corn; 4 Americo-Liberian Chairs; 8 Bags Coffee; Drum Red Ripe Coffee Berries; Box Crystals; 2 Bags Coffee; Case Red Ochre (Dyes); Package Indelible Blue (Dye); Package Plant on which above dye is grown; Yellow Dye Barks; Bundle Fibre; Bundle Fibre (Bamboo); Bundle Fibre (Manila or Plantain); 4 Bundles Fibre (Beach); 3 Bundles Fibre (Bamboo); 2 Bundles Fibre (Piassava); 5 Animal Heads; 3 Birds' Heads; Bush Cow Horn; Hippopotamus *Liberiensis* (Mounted); 24 Hippopotamus Teeth; 8 Little Deer Horns; 14 Bush Cow Horns; 9 Deer Horns; 6 Antelope Horns; 2 Elk Horns; 3 Deer Horns; Hippopotamus Tusk; Sugar Cane Hats; Case Iron Ores; 7 Tusks, Ivory; Case Ivory; Case Ivory Scrap; Bag Palm Kernels; Paper Knife; Money, different issues of 1 and 2 cent pieces; Money, and Paper Currency. Newspaper, "The Observer," "Gazette;" 12 Triple Nests; 4 Swinging Nests; 2 Nests; 3 Barrels Palm Oil; Case Orchid Bulbs; Orchids (described on card); Palm and Nut Oils; Pure Palm Oil from Cape Palmas; Photographs; Peas, Ground; Postage Stamps, Postal Cards and Stamped Envelopes; 2 Bundles Porcupine Quills; Case Quartz; Case Resin; Model of Liberian House; Case Rubber; 33 Bunches Rice; 3 Water Deer Skins; 7 Fullatomba Skins; 3 Striped Mountain Deer Skins; 3 Brown Mountain Deer Skins; 6 Bush Goat Skins; 7 Red Deer Skins; 4 Striped Monkey Skins; 2 Red Monkey Skins; Black Monkey Skins; 5 Jack Monkey Skins; 3 Squirrel Skins; 2 Tiger Cat Skins; 7 Bush Cat Skins; Coon Skin; 3 Otter Skins; Cassada Snake Skin; Black Snake Skin; 4 Leopard Skins; Bundle Sponges; Bundle Tortoise Shells; Otter Skin; Case Coffee Seeds; Case Kolah Seeds; Benne Seeds; Bamboo Seeds; Annato Seeds; Locust Seeds; Walking Sticks; Saw Fish Teeth; Native Woods (See Cards); Greasy Peach Wood; 2 Pieces Wood; Bag Camwood; 13 Pieces
- Wood (See Cards); Survey of Monrovia; Survey of Clay Ashland.
12. **Mandingoe Tribe.** Axes; Bill Books; Wooden Bowl; Rattan Baskets; Grass Bags; Strainers; Slates, Spears and Arrows; Todies; Leather Girdles; Mortar and Pestles; War Shield; Stool, Shoes and Sandals; King's Staffs; Swords, Spears; Mats; Native Loom; Elephants' Tusks; Ink Stands; Earthenware; Collections of Daggers and Charms; Slave Cloths; Caps; Worship Beads; Skin Covered Bottle; Bows and Arrows; Skin Pouches; Leather Bags; Benen Seeds; 4 Bamboos; Iron Bracelet; 2 Brass Bracelets; 2 Copper Bracelets; 7 Leather and Skin Bags; Basket; Earthen Bottle and Holder; Water Bottle; 2 Leather Bags; 2 Rattan Baskets; Leather Snuff-box; 7 Country Belts; Book Bag, Fancy Bag; Leather Bag; 2 Leathered-covered Bottles; 8 Plain Blue and White Country Cloths, double; 3 Striped Country Cloths, double; Black Grass Warrior Cap; War Cap; 20 Charms; 3 Needle Cases; 2 Niger Country Cloths; Native War Cap; Native War Collar; 11 Leather Charms; 2 Gourd Dippers; 25 Unsheathed Dirks—2 Silver-mounted; 25 Sheathed Dirks; 6 Daggers; Sheath Dagger; 36 Dirks; Country Fiddle; Set Snuff Fixtures; Worked Gown; Talismanic War Gown; 2 Leather and Skin Girdles; Powder Gourd; Girdle; Hat; 3 Hammers; Snuff Horn; 2 Country Harps; Grass Hat; 2 Long Horns; 4 Bars Pig Iron; 27 Inkstands; 2 Earthenware Inkstands; Carved Wooden Inkstand; 3 Sheathed Knives; 2 Knives; Loom; Bopora Map; 6 Mats; 5 Necklaces; Needlecase; 11 Necklaces; Pair Blacksmith's Pincers; 34 Fancy Skin Pouches; 2 Small Pots; 2 Quivers of Pens; Bundle of Pens; 3 Country Pots; Cooking Pot; Case Earthenware Pots; Bamboo Rattle for Child; Rattan Quiver for Arrows; Slave Rope; Reading Matter—"Karan," "Makamat Al Harini," "Al Fala," "Al Salama," "Arabic Manuscript;" 3 Pairs Wooden Sandals; 16 Used Sheathed Swords of Different Patterns; 10 Fancy Native Sticks; 3 Country Slates; 4 Pairs Sandals; King's Stool; 2 Pairs Sandals; 5 Long Spears; Silver-Mounted Sword; 26 Spears; 15 Native Swords; 3 Country Tureens; Pair Worship Beads; 22 Country Whips.
13. **Pesseh Tribe.** Grass; Bags; Razors; Powder Gourds; Flutes; Snuff Horns; War Cap; Cutter; Calaba Beans; 3 Open-mouthed Grass Bags; 70 Grass Hand Bags; 7 Baskets; 10 Grass Hand Bags; 14 Open-mouthed Bags; 2 Grass Bags; 3 Grass Bags; Large Grass Bag; 11 Copper Bracelets; Small Bag; 6 Cloths; Brass Chain; Dart; 6 Fanners; 2 Fans; 5 Fanners; 4 Fanners; 10 Fish Lines; Blue and White Gown; 7 Poo Boards (Games); Common Country Gown; 13 Bill Hooks; Hoe; 3 King Jars; 16 Knives; 6 Small Knives; 2 King Jars; Loom and Attachment; Peth Mat; 2 Bamboo Mats; 109 Boro Ropes; 2 Razors; 5 Rings; 2 Palm Rings; 3 Native Swords; Gun Shield; 7 Strainers.

DEPARTMENT A.—AGRICULTURE.

14. **Queah Tribe.** Rosewood Canoe; Bamboo Chair; 14 Small Canoes of different woods; 14 Small Paddles of different woods; Bamboo Chair; Poo Board (Game); King's Stool; Bamboo Triple Stool for King's use; 2 Bamboo Trunks; 2 Rattan Trunks.
15. **Vey Tribe.** Hats; Carved Head; Hammocks; Fishing Nets; 5 Axes; 2 Rouge Bags; Grass Fish Bag; Bow and Arrow; Broom; Fish Basket; 2 Silver Bracelets; Brass Bracelet; Grass Basket; 3 Silver Bracelets; 7 Copper Bracelets; Worked Double Country Cloth; 2 White Country Cloths; Blue Country Cloth; 14 Grass Caps; 2 Caps; Grass Dish Cover; 5 Grass Caps; Embroidered Cap; Silver Charm; Copper Breast Charm and Chain; Devil's Head and Fanners for Back; Devil's Head and Fanners for Head; 4 Fish Nets; Blue and Yellow Gown; 3 Embroidered Gowns; 2 Grass Gree-gree Women's Head-dresses; 9 Gree-gree Horns; Embroidered Gown; Poo Board (Game); Native Gree-gree Chalk; 7 Grass and Cotton Gree-gree Charms; Closely-worked Grass Hammock; Hammock; 3 Grass Hats; 2 Grass Hats; Yarn Hammock; Ivory Snuff Horn; Cloth Hammock; 2 Silver Keys; 4 Sherbro Mats; Silver Necklace; Silver Necklace Charm; Dip Net; White Shawl; Worked Shawl; 12 White Scarfs; 2 Blue Native Scarfs; Leopard's Tooth and Tendæ; 24 Grass Whips.
16. **Artis, J. P.** Minerals; Manuscripts, "Customs and Habits of the Natives;" Manuscripts, "Character Sketches of the Fathers of Liberia."
17. **Brown, C. C.** Minerals.
18. **De Coursey, M. T.** Iron ore.
19. Water color painting.
20. **Dennis, W. C.** 3 Large country cloths.
21. **Deputie, J. H.** Stone idol.
22. **Gorrawamah.** Model of Liberian gun-boat.
23. **Green, Miss.** 4 Worked book marks.
24. **Herring, S. S.** Palm soap.
25. **King, A. B.** Idols; ivory; head dresses; bracelets; books of the Koran; chairs.
26. **King, C. T. O.** Bundle beach fibre.
27. **Kroo.** Canoe; kang warrior's knife.
28. **Meiter Syndicate.** 26 pounds rubber.
29. **Payne, B. T.** Alligator skin; Alligator head; passava sticks in the rough; 3 leopard skins.
30. **Ricks, J. H.** Medicinal plants.
31. **Ricks, M. A.** Raised work; embroidered satin quilt, representing a coffee tree in full bloom.
32. **Snetter, E. A.** Pair worked slippers.
33. **Taite, T. I.** Soap.
34. **Valentine, M. S. K.** Model of Gedebo house; writing and printing in Gedebo; gree-grees; war drum; war horn; cooking utensils; leather charms.
35. **Valentine, M. P.** Gedebo sword; king's stool; charm; ding's van—cow tail; Gedibo writing.
36. **Washington, J. S.** 2 cases minerals.
37. **Wheaton, George.** Planking.
38. **White, Richard.** Quilt.
39. **Witherspoon, H. H.** Old iron from native grave.

NETHERLANDS.

GROUP 2.

1. **Van Heek, J., Delden.** Deventer cake. 13

GROUP 7.

2. **Laming, J., & Sons, Rotterdam.** Cheese. 43
3. **Schouten, D., Niewerbrug.** Cheese. 43

GROUP 8.

4. **Bensdorp & Co., Amsterdam.** Sweet chocolate and cocoa. 45
5. **Blooker, J. & C., Amsterdam.** Cocoa. 45
6. **Driessen, A., Rotterdam.** Sweet chocolate and cocoa. 45

GROUP 11.

7. **Bohlen Gin Distillery "Weesp," Rotterdam.** Gin. 67
8. **Bols, Erven Lucas, Amsterdam.** Cordials and liqueurs. 69
9. **Ellinckhuysen, Carel, & Son, Rotterdam.** Arrack and Jamaica rum. 67
10. **Fockink, Wynand, Amsterdam.** Cordials and liqueurs. 69

11. **Stibbe, H., Amsterdam.** Cordials and liqueurs. 69
12. **Van Dulken, Weiland & Co., Rotterdam.** Gin. 67
13. **Van Perlstein, Ph., & Son, Doetichem.**
a Cordials and liqueurs. 69
b Bitters. 70

GROUP 20.

14. **Ellinckhuysen, C., & Son, Rotterdam.** Cognac and brandy. 131

GROUP 22.

15. **Boskoop Nursery Ass'n, Boskoop.**
a Roses. 147
b Rhododendrons and azaleas. 150
c Bulbs. 153
16. **Jurissen, Jac., & Son, Naarden.**
a Roses. 147
b Climbing plants. 156
17. **Koster, M., & Co., Boskoop.** Bulbs. 153
18. **Krelage, E. H., & Son, Haarlem.** Darwin tulips, bulbs, etc. 153
19. **Uitgeest Department, Uitgeest.** Bulbs. 153

NETHERLANDS.

20. Van Kleef, W., Boskoop. Bulbs. 153
 21. Van Velzen, A., & Co., Haarlem.
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GROUP 25.

22. Boskoop Nursery Ass'n, Boskoop.
 Ornamental trees and shrubs. 185
 23. Jurissen, Jac., & Son, Naarden. Trees
 and shrubs. 185

GROUP 38.

25. Netherlands. Model of herring boat.
 Main O-5 262
 26. Yzermans & Co., Vlaardingen
a Gear for herring fishing. 254
b Herring boat. 262

GROUP 40.

27. Yzermans & Co., Vlaardingen. Her-
 ring. 272

GROUP 42.

28. Federgrun, N., Amsterdam. Dia-
 monds. 291

GROUP 45.

29. Federgrun, N., Amsterdam. Diamond
 polishing substance. 297

GROUP 58.

30. Federgrun, N., Amsterdam. Machines
 for cutting and polishing diamonds. 373

GROUP 80.

31. Holleman, F. A., Oisterwyk. Air
 brake. 500

GROUP 85.

32. Van Swyndregt, Montauban, Rotter-
 dam. Model Dutch sailing vessel. 528

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33. Lommen, C. H., Roermond. Porce-
 lain panels. 579
 34. Thooft, Joost, & Labouchere, Delft.
a Earthenware and porcelain. 576
b Painted porcelain. 577
c Tiles for mural and mantel decora-
 tions. 578
d Mural decorations. 579

GROUP 92.

35. Stoltzenberg Co., Roermond. Marble
 and stone statues. 581

GROUP 93.

36. Reyenga, W., & Son, Amsterdam.
 Metal vases and columns. 585

GROUP 95.

37. Lommen, C. H., Roermond. Stained
 church windows. 597
 38. Stoltzenberg Co., Roermond. Stained
 church windows. 597

GROUP 96.

39. Stoltzenberg Co., Roermond. Church
 ornaments. 598

GROUP 106.

40. Stoltzenberg Co., Roermond. Church
 embroideries. 665

GROUP 112.

41. Becker's Sons, Rotterdam.
a Prescription scales. 708
b Assayers' and chemists' scales. 709

GROUP 121.

42. Van Linschoten, G. J., Kralingen.
 Imitations of wood and marble.

GROUP 149.

43. Huet, A., Delft. Maps and drawings
 for engineering colleges. Dept. G 852

GROUP 150.

44. Fynje, J. G. W. Books on engineer-
 ing. Dept. G 854

GROUP 152.

45. Huet, A., Delft. Drawings of water
 works in Holland. Dept. G 881
 46. Royal Institute of Engineers, The
 Hague. Maps and drawings of water
 works in Holland. Dept. G 881

DEPARTMENT N.—Forestry.**GROUP 19.**

47. Bunge, W., & Co., Rotterdam. Indigo
 and madder. 103
 48. Mirandolle, Voute & Co., Amsterdam.
 Javapok. 105

NETHERLANDS, EAST INDIES.

Exhibit of the Java-Chicago Exhibition
 Syndicate, Batavia.

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1. Rice. 6
 2. Flours. 11

GROUP 3.

3. Cane sugar. 18
 4. Palm sugar. 22

GROUP 8.

5. Tea, coffee, cocoa. 45
 6. Pepper, cloves, cinnamon and other
 spices. 47
 7. Tobacco, Java and Sumatra. 48

DEPARTMENT N.—Forestry.**GROUP 19.**

8. Indigo. 102
 9. Kapok. 109

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 ing and Metallurgy.****GROUP 52.**

10. Tin. 345

NORWAY.

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1. **Conradsen, Johs, Stavanger.** Preserved meat and game. Dept. D 36
2. **Jensen, G., Hamar.** Preserved meats. Dept. H 36
3. **Norwegian Milk Condensing Company, Ltd., Christiania.** Condensed milk. Dept. H 39
4. **Olsen & Kleppe, Stavanger.** Preserved game. Dept. D 36
5. **Preserving Company, Bergen.** Canned turtle, meat and game. Dept. D 36
6. **Stangeland, Enok L., Sandnaes.**
 - a* Meat and game. Dept. H 36
 - b* Canned meat and game. Dept. D 36

GROUP 7.

7. **Aktiebolaget Hermes, Christiania.** Milking apparatus. Dept. H 44
8. **Alvaer, John H., Bergen.** Goat's milk cheese. Dept. H 43
9. **Lund, Carl, Christiania.** Cheese. Dept. H 43
10. **Soiland & Hegland, Stavanger.** Cheese. Dept. H 43

GROUP 11.

11. **Hartman, Joh., Trondhjem.** Punch and North Cape monopol. Dept. H 69
12. **Løitens Branderies Destillation, Christiania.**
 - a* Aquavit. Dept. H 67
 - b* Pure spirits. 68
 - c* Punch and liqueurs. 69
 - d* Bitters. 70
13. **Lysholm, Gorgen B., Christiania.**
 - a* Aquavit. Dept. H 67
 - b* Pure spirits. 68
 - c* Punch. 69
14. **Oplandske, Spritfabrik, Christiania.**
 - a* Aquavit. Dept. H 67
 - b* Pure spirits. 68
 - c* Punch. 69
 - d* Bitters. 70

15. **Paulsen, H., & Co., Christiania.** Punch. Dept. H 69

GROUP 12.

16. **Christiania Actie Olbryggeri, Christiania.** Beers and ale. Dept. H 73

GROUP 16.

17. **Börsum, Julius, Lillehammer.** Horse rake. Dept. H 86

GROUP 17.

18. **Bergen Committee at Bergen.**
 - a* Whalebone. Dept. D 90
 - b* Whale guano. 92
19. **Monsen, Alf, Tonsberg.**
 - a* Seal and whale products. Dept. D 90
 - b* Seal and whale guano.

GROUP 18.

20. **Aagaard, Andr., Tromsø.** Seal and shark oils. Dept. D 94

DEPARTMENT N.—Forestry.

GROUP 19.

21. **Bohnsdalen Wood, Pulp & Paper Mills, Ltd., Bohn.** Wood pulp. Dept. H 109
22. **Gjovik Cellulosefabrik, Christiania.** Dry, bleached and unbleached pulp. Dept. H 109
23. **Hunfos Fabriker, Christiania.** Unbleached wood pulp. Dept. H 109
24. **Moss Cellulosefabrik, Moss.** Chemical wood pulp. Dept. H 109
25. **Ranheims Cellulosefabrik, Ranheim.** Wood pulp. Dept. H 109
26. **Skien Cellulosefabrik, Skien.** Wood pulp. Dept. H 109
27. **Skotselv Cellulosefabrik, Skotselven.** Wood pulp. Dept. H 109
28. **Thams, M., & Co., Trondhjem.** Timber for house-building purposes. Norway's pavilion 99

SPAIN.

GROUP 1.

1. **Agricultural Society, Valls.** Corn. 2
2. **Alonso del Moral, Vicente, Salamanca.**
 - a* Summer, red and winter wheat. 1
 - b* Oats. 3
 - c* Barley. 4
 - d* Rye. 5
3. **Arribas, Felipe, Villar de Domingo Garcia.** Dry summer wheat. 1
4. **Blanco Sanchez, Manuel, Salamanca.** Summer wheat. 1
5. **Calderon e Hijo, Valentin, Palencia.** Wheat flour. 11
6. **Coll de Baldrich, Juan Ramon, Valls.** Corn. 2
7. **Fernandez de la Devesa, Clemente, Salamanca.**
 - a* Wheat. 1
 - b* Rye. 5
8. **Fernandez e Hijos, Viuda de L, Medina del Campo.**
 - a* Wheat. 1
 - b* Barley. 4
 - c* Rye. 5
9. **Fernandez y Cosmen, Victoriano, Los Navalmorales.** Wheat. 1
10. **Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife.** Wheat flour. 11
11. **Garcia, Diego, Guadalajara.** Summer wheat. 1

SPAIN.

12. Giraldo Crespo, Eusebio, Medina del Campo.	
<i>a</i> Wheat.	1
<i>b</i> Barley.	4
<i>c</i> Rye.	5
13. Hernandez, Saturio, Buitrago.	
<i>a</i> Wheat.	1
<i>b</i> Barley.	4
14. Huerta Martinez, Joaquin, Albacete. Summer wheat.	1
15. Humanes Combelo, Julian, Lominchar. Wheat.	1
16. Ibanez, Angel, Mira. Corn.	2
17. Jaramilla y Ruiz de Alarcon, Juan Jose, Carrascosa del Campo. Summer wheat.	1
18. Magrina de Lopez, Mariano, Villalonga. Corn.	2
19. Mangrane e Hijos de Guix, Tarragona. Wheat flour, cracked wheat, cleaned wheat.	11
20. Martinez Baldo, Domingo, Villa Mediana. Barley.	4
21. Masso Tebar, Natalio, Albacete. Wheat.	1
22. Neira, Juan Bautista, Cerezal. Hay.	8
23. Parras, Enrique, Albacete. Wheat.	1
24. Penalver, Eustaquio, Chillaron de Cuenca. Barley.	4
25. Pinango, Nemesio, Albacete.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
26. Ramirez, Alonso, Albacete. Hard wheat.	1
27. Rioseco, Village of, Soria. Wheat.	1
28. Serrano, Felix, Sajazarra.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
<i>c</i> Barley.	4
29. Soria Local Commission, Soria.	
<i>a</i> Wheat.	1
<i>b</i> Oats.	3
30. Uluargui y Ochoa, Eusebio, Logrono.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
<i>c</i> Oats.	3
<i>d</i> Barley.	4
31. Villanueva y Canedo, Luis, Badajoz. Wheat.	1
GROUP 2.	
32. Castello y Vila, Francisco, Arenys de Mar. Soup pastes.	15
33. Clot, Juan J., Madrid. Soup pastes.	15
34. Fidalgo Perez, Gregorio, Badajoz. Cakes.	13
35. Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife. Arrow-root.	16
36. Ladoyer y Metge, San Pedro de Premia. Tapioca.	16
37. Marco Soriano, Juan, Villena. Crackers.	14
38. Mirat e Hijo, Salamanca.	
<i>a</i> Soup pastes.	15
<i>b</i> Wheat and rice starch.	16
GROUP 3.	
39. Diaz, Gallo, Cardenete. Honey.	26
40. Ferrer y Gili, J., Barcelona. Fruit confections, etc.	27
41. Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife. Honey.	26
42. Garcia Luque, Mariano, Toledo. Confections.	27

43. Marco Soriano, Juan, Villena. Confections.	27
44. Mira Espi, Luis, Gijona. Confectionery.	27
45. Monserrat y Hijo, Juan, Reus. Confectionery.	27
46. Puzzeni Hermanos, Cordova. Syrup of orange flowers.	18
47. Segovia, Julian, Carrascosa de la Sierra. Honey.	26
48. Velasco Barba, Jose de, Almendralejo. Confectionery.	27

GROUP 4.

49. Berlanga de Duero, Village of, Soria. Potatoes.	28
50. Lober, Town of, Lugo.	
<i>a</i> Potatoes.	28
<i>b</i> Beets.	29

GROUP 5.

51. Alemany Gil, S., Tarragona. Vetches.	32
52. Alonso del Moral, Vicente, Salamanca. Chick peas and vetches.	32
53. Bello y Gil, Jose, Logrono. Chick peas and French beans.	32
54. Fernandez de la Devesa, Clemente, Medina del Campo. Chick peas and vetches.	32
55. Fernandez e Hijos, Viuda de L, Medina del Campo. Chick peas and vetches.	32
56. Giraldo Crespo, Eusebio, Medina del Campo. Chick peas.	32
57. Magrina de Lopez, Mariano, Villalonga. Red vetches.	32
58. Magrina y Suner, Antonio de, Tarragona. Vetches.	32
59. Marin Casales, Eduardo, Valencia. Vetches.	32
60. Mirat e Hijo, Salamanca. Chick peas.	32
61. Orovio, Manuel de, Tarragona. Vetches.	32
62. Querol y Bofarull, Fernando de, Tarragona. Vetches.	32
63. Satorr As y Villanova, Antonio, Tarragona. Vetches.	32
64. Serrano, Felix, Sajazarra. Beans.	32
65. Uluargui y Ochoa, Eusebio, Logrono. Beans.	32
66. Villanueva y Canedo, Luis, Badajoz. Chick peas.	32

GROUP 6.

67. Caamano y Compania, J., Coruna. Canned meats, etc.	36
68. Flores Sauret, Benito, Garrovillas de Alcovetar. Sausages.	37
69. Goday, Juan, Villanueva de Arosa. Sardines, etc.	36
70. Ladoyer y Metge, San Pedro de Premia. Anchovies.	36
71. Lober, Town of, Lugo. Hams.	34
72. Puig y Llagostera, Francisco, Barcelona. Anchovies.	36

GROUP 7.

73. Fernandez Rodriguez, Jacinto, Villarrobledo. Cheese.	34
74. Garcia y Garcia, Manuel, Cerezal. Butter.	42
75. Neira, Juan Bautista, Cerezal. Cheese.	43
76. Villalba, Town of, Lugo. Cheese.	43

DEPARTMENT A.—AGRICULTURE.

GROUP 8.

77. Aguirre e Hijos, Isidro, Munilla. Chocolate. 45
 78. Alique, Adrian, Portairubio. Saffron and anise. 47
 79. Casado Rodriguez, Fabian, Coruna. Chocolate. 45
 80. Castella, Francisco, Barcelona. Chocolate. 45
 81. Cayuela y Ramon, Jose, Murcia. Ground pepper. 47
 82. Deza, Town of, Soria. Anise. 47
 83. Diez Ubago, Placido, Cuzcurrita. Chocolate. 45
 84. Enciso Ruiz, Hijos de Francisco, Munilla. Chocolate. 45
 85. Fernandez, Francisco, Lugo. Chocolate. 45
 86. Fernandez, Lorenzo, Albacete. Saffron. 47
 87. Fernandez Rodriguez, Jacinto, Villarrobledo. Saffron. 47
 88. Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife. Coffee. 45
 89. Garcia Fernandez, Jeronimo, Medina del Campo. Chocolate. 45
 90. Garcia Luque, Mariano, Toledo. Chocolate. 45
 91. Lujan y Tendero, Tomas, Motilla del Palancar. Saffron. 47
 92. Martinez, Viuda de Pedro, Albacete. Saffron. 47
 93. Niclrau Hermanos, Albacete. Saffron. 47
 94. Porcar y Tio, Manuel, Barcelona. Ground sweet pepper. 47
 95. Ramos Beltran, David, Chercoles. Saffron. 47
 96. Rubini e Hijos, Coruna. Chocolate. 45
 97. Ruiz, Jeronimo, Murcia. Ground pepper. 74
 98. Saenz, Viuda de Laureano, Munilla. Chocolate. 45
 99. Serra y Cuberta, Antonio. Chocolate. 45
 100. Solana, Hijos de Norberto, Munilla. Chocolate. 45
 101. Valtuena, Town of, Soria. Saffron. 47
 102. Velasco Barba, Jose de, Almendral-ejo. Chocolate. 45
 103. Villalba, Sixto, Tarragona. Anise and cummin. 47

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104. Capdevila y Marin, Ramon, Cieza. Esparto. 59
 105. Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife. Pita fibre. 59
 106. Gomez Rodulfo, Hijos de Jeronimo, Bejar. Wool. 60
 107. Martinez e Hijos, Hellin. Esparto. 59
 108. Ortega Saenz Diente, Cuenca. Wool. 60
 109. Parras, Enrique, Albacete. Esparto. 59
 110. Perales, Marques de, Madrid. Wool. 60
 111. Precioso Roche, Jose, Hellin. Esparto. 59
 112. Soria Local Commission, Soria.
 a Hemp. 59
 b Wool. 60

113. Torre y Andres, Miguel, de la, Badajoz. Ramie. 59
 114. Villanueva y Canedo, Badajoz. Wool. 60

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 116. Arive, Baths of, Arive. Mineral water. 64
 117. Avenoso, Mariano Andres, Madrid. "Nuevas Salinetas" mineral water. 64
 118. Banos, Town of, Caceres. Sulphuretted saline water and sediment. 64
 119. Belascoain, Baths of, Belascoain. Mineral water. 64
 120. Calderon y Revuelta, Alceda. Sulphuretted water. 64
 121. Cano y Compania, Juan, Vitoria. Mineral water. 64
 122. Carrillo y Rodriguez, Juan, Ocana. Mineral water. 64
 123. Cervello y Chinesta, Elias, Cordova. Chalybeate water. 64
 124. Collazo, Emilio, Lugo. Chalybeate water. 64
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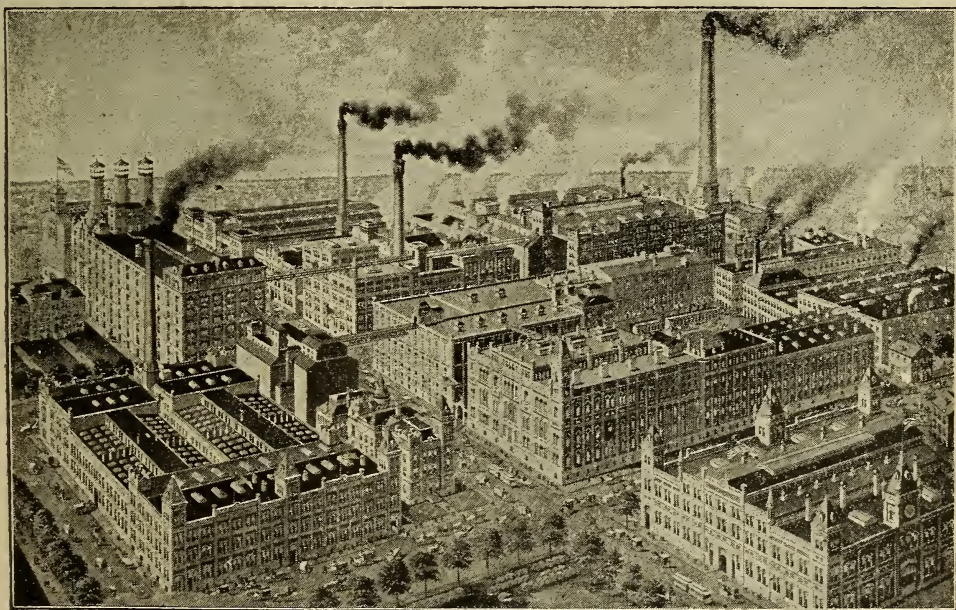
1865



NO one viewing the brewing industry from the standpoint of its nineteenth century development and beholding the perspective of the picture fading into antiquity, can fail to discover that the evolution of this mighty factor of modern enterprise is contemporaneous with the evolution of bread itself. The first historical mention of brewing is found in the papyri of the Egyptians. The presence of barley in the tombs of the Pharaohs would seem to anticipate for untold ages the papyri records, and

much presumptive evidence of the greatest antiquity is found in the then perfection of the amber beverage for which we moderns, with laughable simplicity, are worshipfully thanking Gambrinus.

The Egyptians simply crushed the barley and mixed it with water and fermented the combination without the intervention of heat. If malting was known, we have no record of it. The Assyrians advanced one step and may be called the first brewers, for they boiled the crushed grain and then proceeded as the Egyptians were doing.



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No one knows what happy accident of deluge or disaster tempted some shrewd husbandman of centuries ago to spread his wetted grain to dry, and no one knows his dire dismay when little sprouts, fed by the life within, seeking God's sunlight, came inquiringly into the world, or how he tried to stop that growth and blunt for another age the sharp wedge of progress, or how, in desperation, he tried to brew with what he thought was useless, only to find the product better and that the world had discovered malt. Strength, calmness, power of thought, stately forms of giant men, the mighty hosts of peace and war have

since been sustained and built up by the jolly quaffing of foaming tankards.

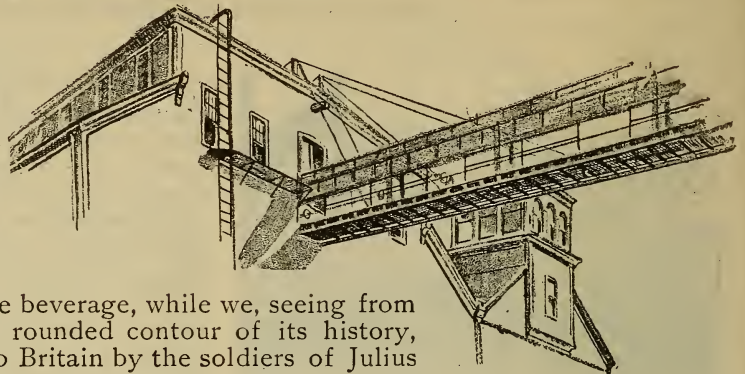
Imagination pictures the almost mythical Arthur, surrounded by his Knights of the Round Table, drinking the barley brew and with storied romance creating that legendary lore which Tennyson immortalized. We almost wonder if this Welsh hero of the Britons 1,300 years aback could have told whence came the beverage, while we, seeing from greater distance the rounded contour of its history, find it was brought to Britain by the soldiers of Julius Cæsar 500 years before brave Arthur reigned.

Ariovistus, a bold and powerful Suevic chief, was the first German to come in conflict with the minions of Julius Cæsar. When Cæsar sent to him proposing a personal interview, he haughtily answered that Cæsar had better come to Ariovistus, which Cæsar quickly did, and it may be added history has no further record of Ariovistus. But Cæsar continued his conquests, and his soldiers, who had learned the art of brewing from the Egyptians, gave the secret to the vanquished Germans, who subsequently became friendly allies. We think that every German who finds the gold beneath the snow of a "Mass" of Hofbrau, will, with a passing sigh of regret at the fate of Ariovistus, proceed to drown the memory of the sad event and be glad that Cæsar came.

The Gauls and Franks never cultivated to a great extent the brewer's art, preferring the product of the vintage and Bacchus, before Gambrinus, and the strange fact becomes apparent to the thoughtful observer that the more volatile races of all Europe prefer the sparkling brilliancy of those drinks of amusement which originate in the clustering grape, while the steady and more powerful races with confidence demand that richer boon which springs from the waving barley.

Up from rich Mother Earth springs a graceful vine, its delicate tendrils clinging for support and its soft green foliage suggesting the delight of shadowed coolness beneath the summer sun. Coy it grows, yet climbs to greater height and in its sweet development suggests the woman. And as she rises, she decks herself with flowers whose petals, opening to the light, throw abroad a peaceful and somnolent perfume.

What happy blending of fate and affinity brought to an universal wedding the sturdy barley and the winsome hop? What harmony of wedded life could be more perfect? True, she brought some bitterness into the life of the good-natured fellow, but John Barleycorn has gained from her that soothing quality which slacks the tension of the weary brain and makes the malt beverage of the nineteenth century the safety valve of the high pressure minds which are sacrificing themselves to create modern civilization.

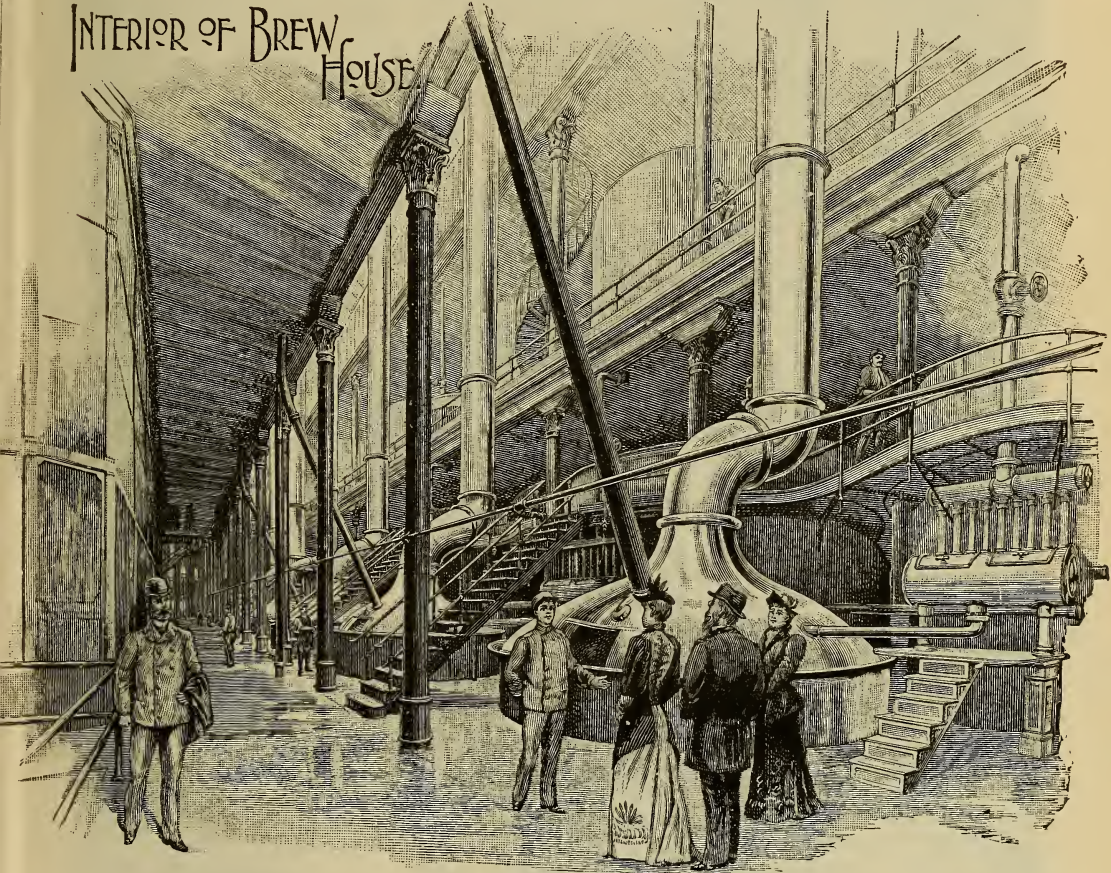


The history of brewing in America commenced on June 22, 1789, when was passed, together with the famous Blue Laws of Massachusetts, the bill exempting the manufacturers of malt beverages in the commonwealth of Massachusetts from taxation for five years, in order to encourage the business. But it is better to quote their reasons for passing the law:

WHEREAS, The manufacture of strong beer, ale and other malt liquors will promote the purposes of husbandry and commerce by encouraging the growth of such materials as are particularly congenial to our soil and climate and by producing a valuable article of exportation, and,

WHEREAS, the wholesome qualities of malt liquors greatly recommend them to general use, as an important means of preserving the health of the citizens of this commonwealth and of preventing the pernicious effect of spirituous liquors, be it therefore enacted, etc.

INTERIOR OF BREW HOUSE



Well, we have quoted enough. The old statesmen who framed our constitution probably knew what they were talking about; and when we find that the total product of the brewing industry in America at this time was not over 3,000 barrels in a year, and that today it has grown to an annual output of over 40,000,000 barrels, paying into the United States Treasury annually \$40,000,000 toward the support of the government, being one of the largest single industries of the whole country, we can not help astonishment. It is within the last twenty-five years, however, and chiefly within the last fifteen that the American people as a nation have turned away from the more hot and rebellious and turned to the most soothing and peaceful of modern beverages. It has been a natural tendency, due in some measure to the energy and intelligence of the brewers themselves, but in far greater measure to that tremendous activity of the American mind and the equally occidental tendency to overwork it, and the consequent demand for some harmless beverage which is not only a gentle sedative, but almost a food. Malt beverages are a source of calmness, while wines and liquors

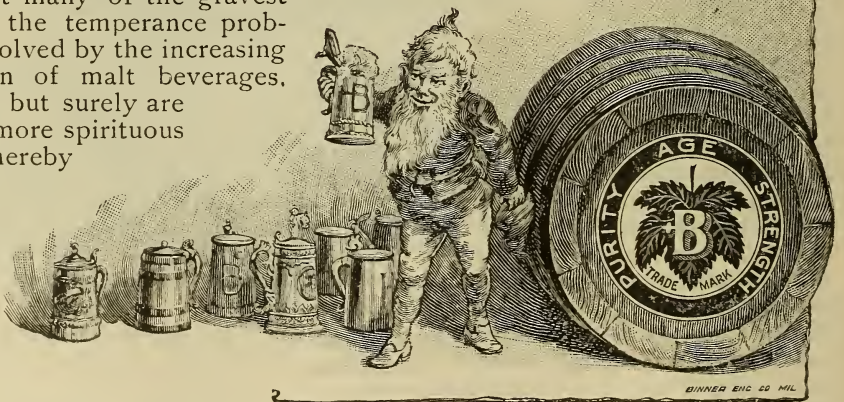
are a source of excitement; both have their uses, but calmness is what is most needed, hence the rapidly increasing development of the brewing industry.

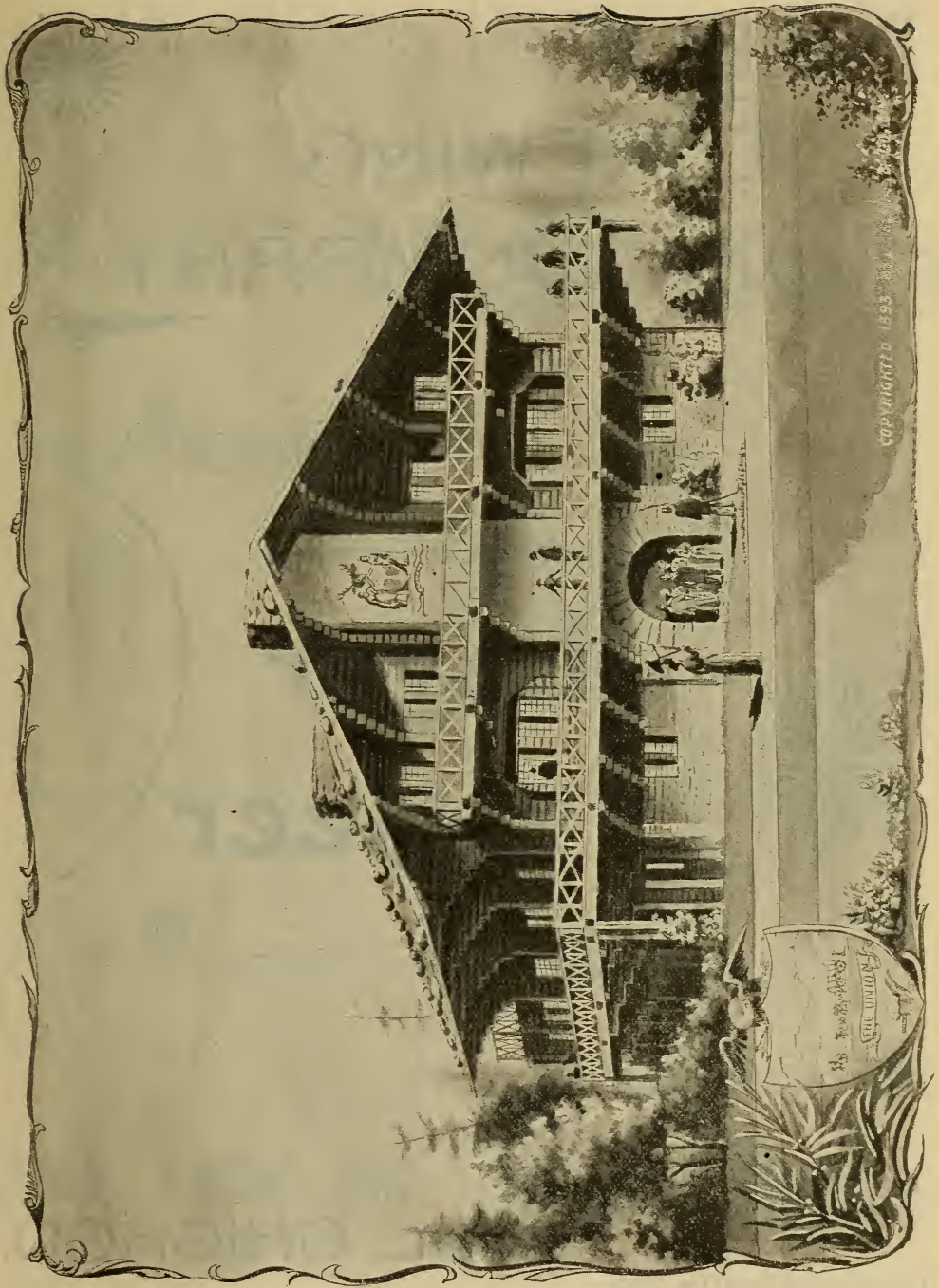
To the Germans, with their strong love of home and fond memories of the Fatherland, and their national fondness for that lightest of malt beverages, lager beer, are we indebted for its introduction to America. Even to-day the business is largely controlled by this prosperous, conscientious and thrifty people. The magnitude which has been attained by the more prominent brewing enterprises of America is almost astounding, and the West boasts several breweries whose production exceeds 500,000 gallons annually. There is no mystery about brewing and all the larger companies have regular guides to show visitors over the plants and give the public an opportunity to observe the absolute cleanliness and the sturdy honesty which characterizes the various processes. The German has nothing to fear from the most critical examination of his business methods, either in the processes or the material used in producing the world's greatest beverage.

The largest single representative of the brewing industry is, as every one knows, the Pabst Brewing Co., of Milwaukee. The annual output of this company is 1,198,000 barrels, about 71 per cent. greater than that of its nearest rival. The Pabst Brewing Co. brews, therefore, 1-33 part of the entire output of the United States, although there are 1,780 breweries. The kegs and packages used by the Pabst Brewing Co., loaded for shipment, would make a train 116 miles long. The daily shipments average 75 car loads for each working day. About 150,000 barrels of the product are bottled, making 40,000,000 bottles, mostly quarts. The annual cost of corks is \$138,000. The buildings alone cover ten acres, and thirty-four acres of floor space are in constant use. The exhibit which they make at the Fair is marvelous in its splendor—a gold model of the brewery, made from architectural drawings, an absolute and exact representation of Milwaukee buildings only and including only those which are in constant actual use. If the forty branch houses, the ice houses (numbering more than 400), the untold corners, business blocks, hotels, theatres, cooperage shops, the Spanish cork factory, the glass bottle manufactory, the southern ice-plants, the nearly 500 agencies, owned or controlled by them were included, the model, on the scale of 1-8 of an inch to the foot, would cover 800 square feet. Over this golden model is a terra cotta and glass palace, which is symbolical of the brewing industry and which must be seen to be appreciated.

Visitors to the World's Fair will find when they see the Brewers' corner a display equal to any class of exhibits. The refined elegance of the structures which they have built for the display of their wares, reflects the greatest credit upon them, showing as it does a keen intelligence and a broad comprehension of nineteenth century business requirements.

It is now becoming generally admitted that many of the gravest questions of the temperance problem will be solved by the increasing popularization of malt beverages, which slowly but surely are superseding more spirituous drinks, and thereby paving the way to that true temperance which should be the highest ideal of the reformer





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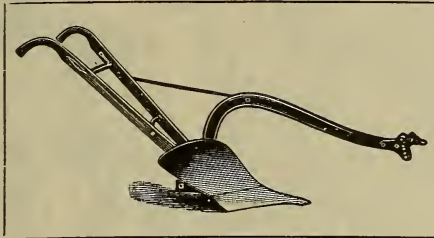
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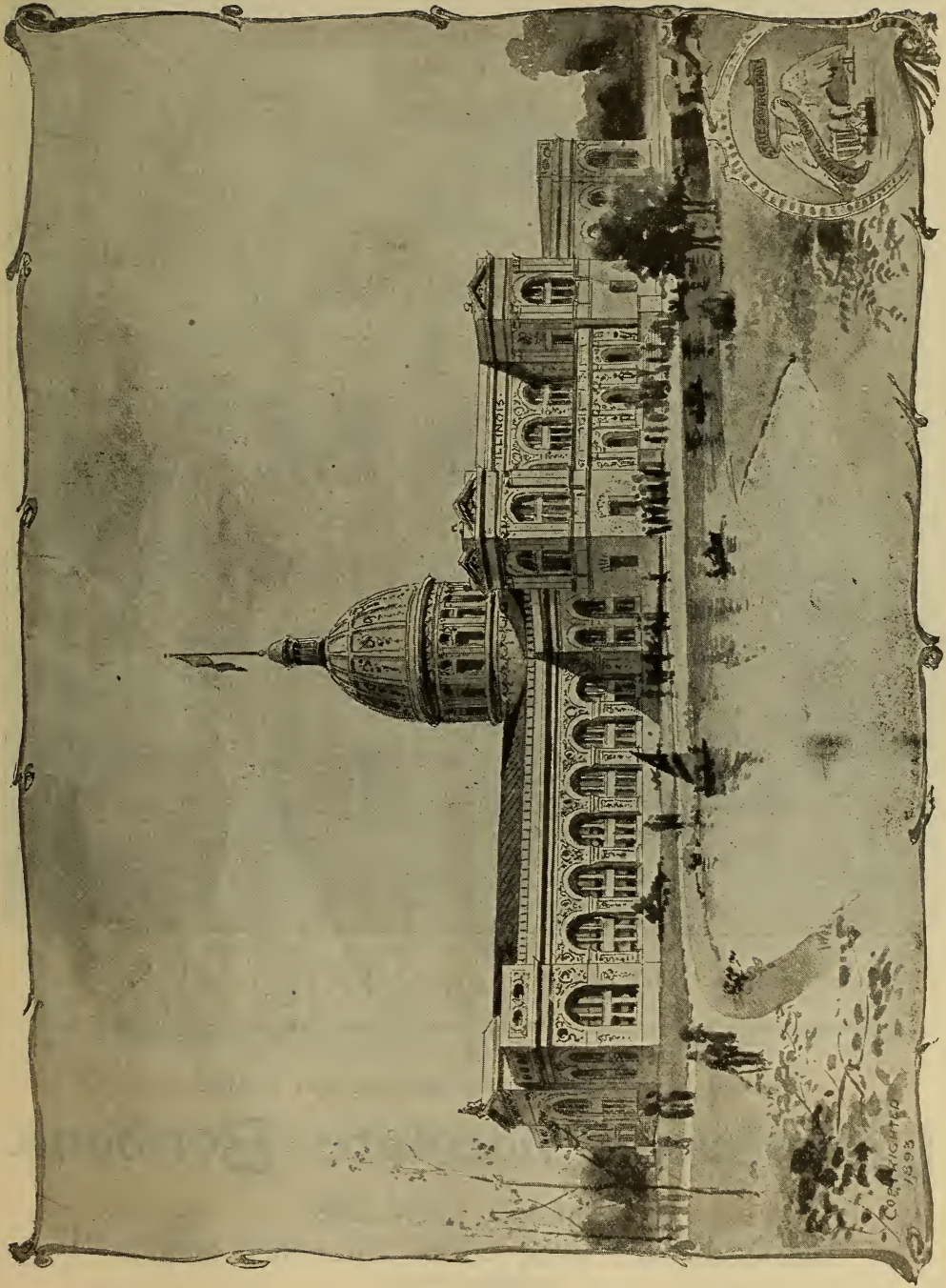
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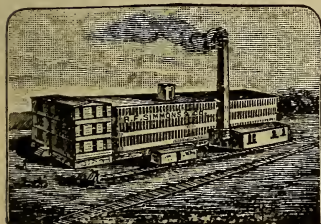
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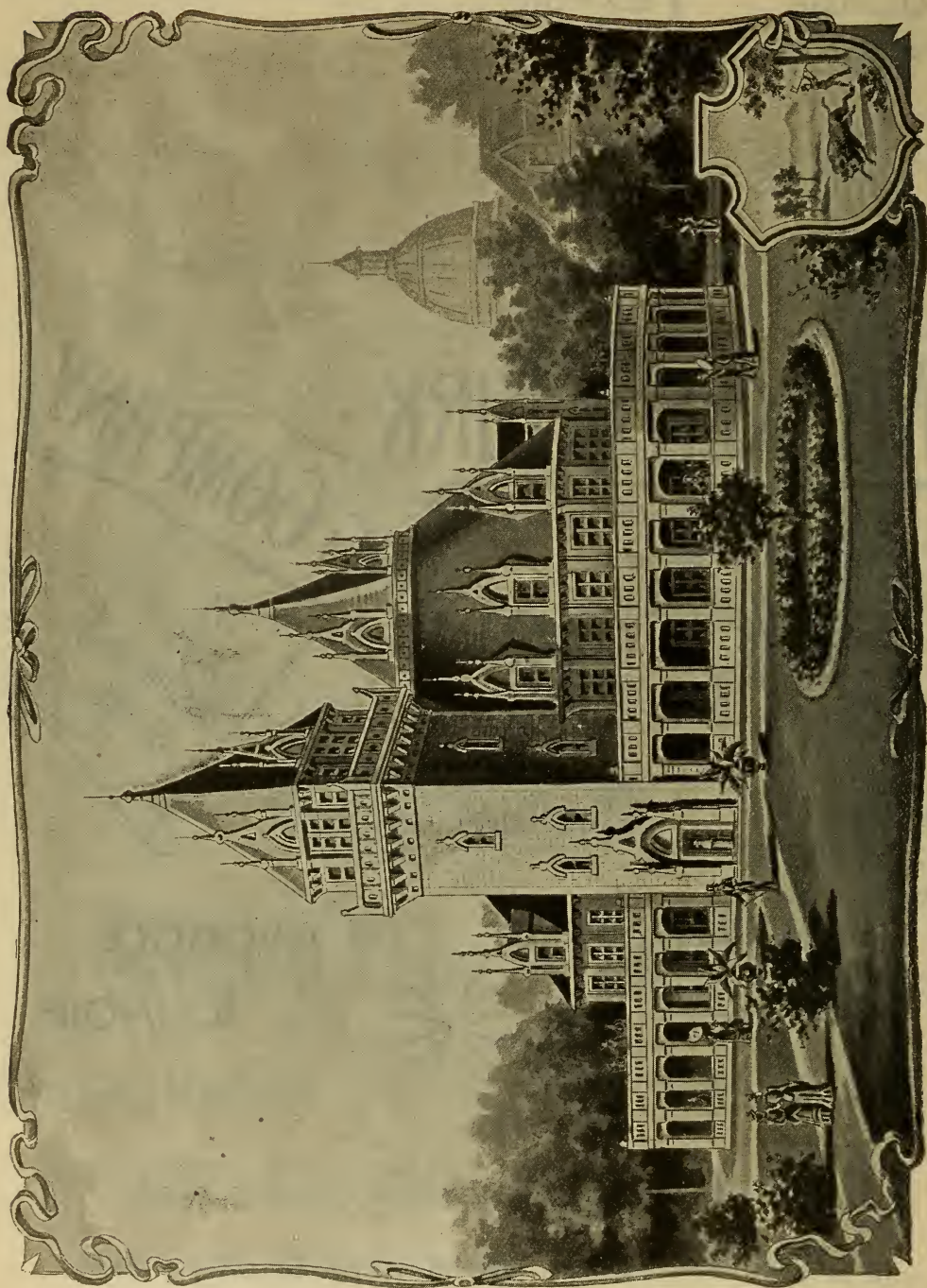
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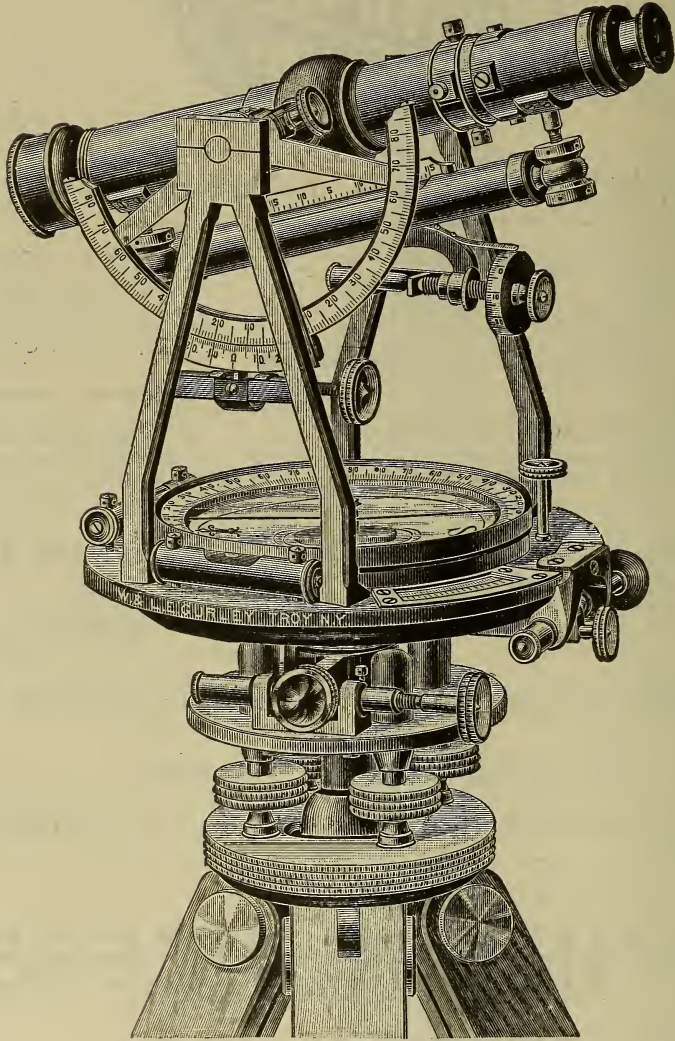
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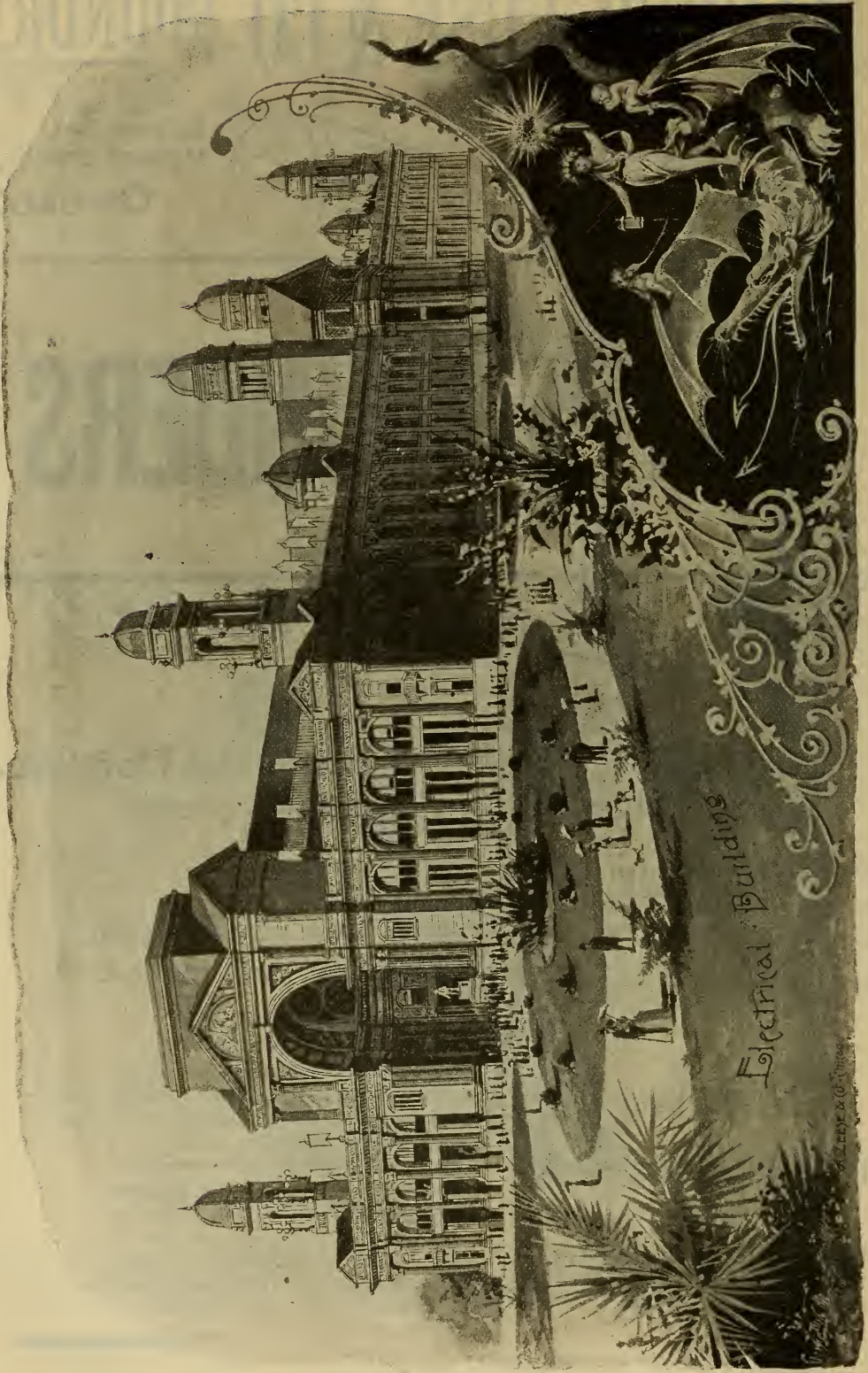
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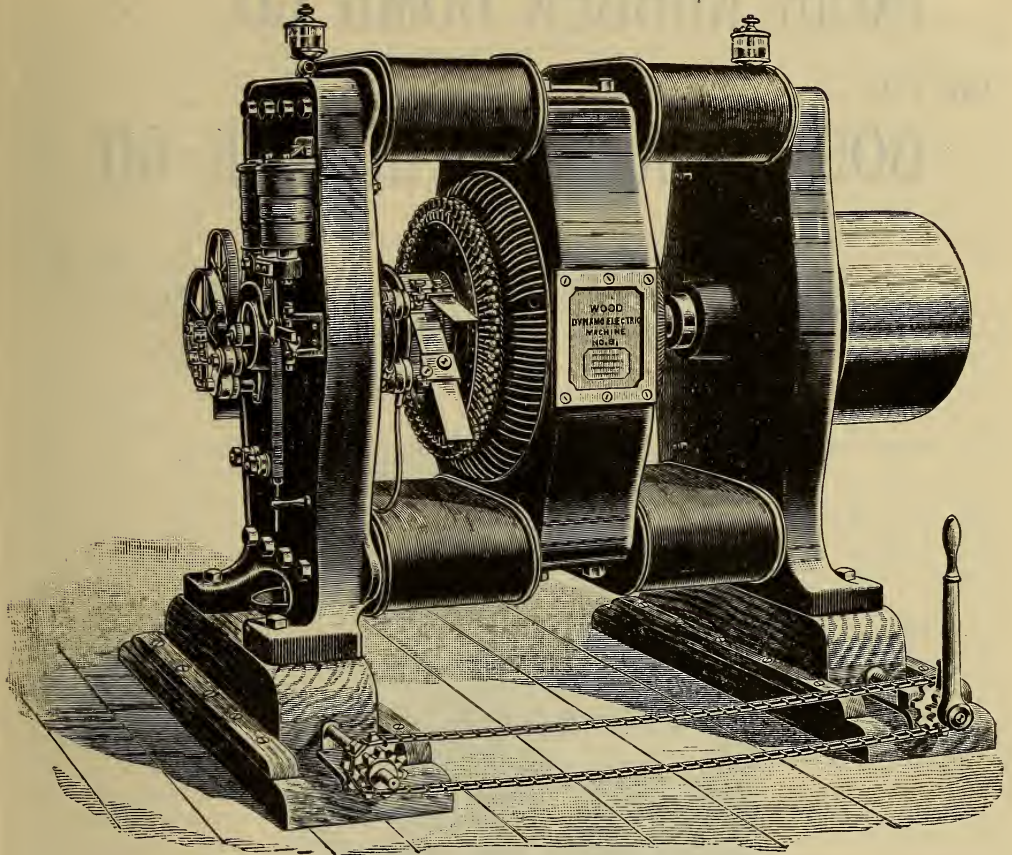


Electrical Building

A. Zapp & Co. - 1893

FORT WAYNE ELECTRIC CO.

FORT WAYNE, IND.



◀—MANUFACTURERS OF—▶

“Wood” Patent Apparatus for Arc Lighting, Alternating Current Lighting, Direct Current Incandescent Lighting, Generators for Railway and other Motor Circuits, Accurate Measuring Instruments, Meters and General Supplies.

This apparatus possesses the highest Electrical Efficiency, best Mechanical Construction and the most Artistic Design.

Twenty-six styles “Wood” Arc Lamps for Constant Current Circuits, Constant Potential Circuits and Alternating Circuits. Noiseless, no extra Rheostats.

More of our Arc Apparatus is in use than any other system, in such cities as Cincinnati, St. Louis, New Orleans, Detroit, Kansas City, Louisville and other cities.

The two largest stations in the world are of the Fort Wayne system.

See apparatus in operation at our World’s Fair Exhibit.

BRANCH OFFICES:

NEW YORK, 42 and 44 Broad Street.
CHICAGO, 185 Dearborn Street.
PHILADELPHIA, 907 Filbert Street.
PITTSBURG, 405 Times Building.
SYRACUSE, Kirk Building.

◆ COLUMBUS, O., 157 East State Street.
◆ SAN FRANCISCO, 35 New Montgomery St.
◆ CITY OF MEXICO.
◆ DALLAS, TEXAS.
◆ NEW ORLEANS, 52 Union Street.

(SEE PAGE 498.)

ESTABLISHED 1851.

THE...

INDIA RUBBER GOMB CO. ❖

AND THE...

GOODYEAR HARD RUBBER CO.

9, 11 AND 13 MERCER ST., NEW YORK.



The policy of this Company has always been to make goods of the highest standard of excellence.

The Company manufactures

HARD RUBBER GOODS
OF EVERY CONCEIVABLE
VARIETY.

CORRESPONDENCE
SOLICITED.

DEPARTMENT J—ELECTRICITY.

THE wonderful strides made in the field of electrical appliances during the past few years find a miniature in the display made at the Exposition. The prime object of the department is the demonstration, in actual operation, of the commercial and economic applications of electricity, and exhaustive tests of electrical apparatus in all possible directions, with a view to establish the actual efficiency of the same in comparison with other and older methods of accomplishment. In addition to these practical features, object lessons of interest and instruction, showing the development of the science from its formative or initiatory state to the present time, are presented. The accomplishment of this object takes the form of an historical exhibit embodying models, drawings and crude machinery made and used by pioneers in the science.

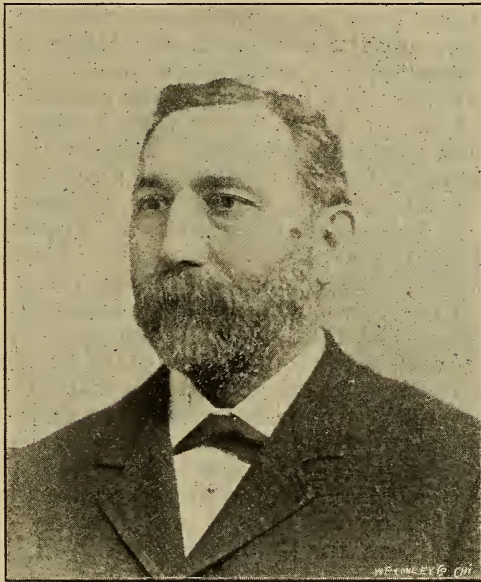
ELECTRIC LIGHTING.—The buildings and grounds of the Exposition are lighted by electricity. About 8,000 arc lamps of 2,000 candle power, and about 130,000 incandescent lamps of sixteen-candle power are required. Besides this, from 3,000 to 3,500 horse-power is required for the operation of the machinery of exhibitors. To furnish this 24,000 horse-power the Exposition Commission has constructed a plant, complete station composed of a number of complete plants, in which are installed certain parts of the service. These plants are primarily for the service of the Exposition, but are not prohibited from being used for other purposes. The group by electricity is divided into arc systems, their lamps, fixtures and appliances; and incandescent systems, their lamps, fixtures and appliances.

APPARATUS.—Measurements; primary and secondary electric batteries; direct current; incision; voltmeters, meters, etc.; resistances, switches, and protective appliances, such as lightning rods, lightning arrestors, fusible cutouts, etc., are appropriately grouped. Heating by electricity, electrotyping, electro-plating, gilding and nickeling are exhibited.

MINING AND MILLING WORK.—Motors and other electric machinery are exhibited to fully illustrate the possibilities of the science in the direction of mining and milling, the long-distance transmission of power for mining operations, and the various applications of the power at the point of usefulness. Here may be seen electro-deposition of iron and other metals; electrolytic separation of metals from their ores or alloys, electric forging, welding, stamping, tempering, brazing, etc.

ARTISTIC EFFECTS.—Art in electricity is becoming popular, and the newest and most approved fixtures for lighting, as well as the many systems of stage and auditorium lighting, the lighting of art galleries, etc., are shown.

INSULATION WORK.—Wiring, underground and overhead systems of con-



J. P. BARRETT, CHIEF.

pany has constructed a plant, complete station composed of a number of complete plants, in which are installed certain parts of the service. These plants are primarily for the service of the Exposition, but are not prohibited from being used for other purposes. The group by electricity is divided into arc systems, their lamps, fixtures and appliances; and incandescent systems, their lamps, fixtures and appliances.

For electrical primary and secondary; dynamos of instruments of pre-ammeters, watt-cables, wires, rheo-indicators; safety

struction, interior insulation, conduit construction, etc., are greatly benefited by carefully installed exhibits, showing development in these directions.

TELEGRAPH AND SIGNALS.—In this group are shown the various systems of transmitting and receiving, chronographs, annunciators, thermostats, fire alarm apparatus, police telegraph and burglar alarm apparatus and railroad signal apparatus.

THE TELEPHONE.—The receiving and transmitting appliances of the now generally used telephone, together with the switch boards, signals, registers, etc., are shown in a separate group, embracing also receiving and recording apparatus, such as the phonograph.

MISCELLANEOUS.—In other groups are found exhibits of electric pens, electricity in surgery, dentistry and therapeutics; apparatus for the destruction of life, as seen in New York, for instance, where it is by law used for capital punishment; electricity in photography; in heating apparatus as applied to steam and hot air pipes and registers; its uses as a remedial agent and the history and statistics of electrical inventions, showing models and drawings of patents in Europe and America.

THE BUILDING.—The Electrical Building is 345 feet wide and 700 feet long, the major axis running north and south. The south front is on the great Quadrangle or Court; the north front faces the lagoon; the east front is opposite the Manufactures Building, and the west faces the Mines Building. The general scheme of the plan is based upon a longitudinal nave 115 feet wide and 114 feet high, crossed in the middle by a transept of the same width and height. The nave and the transept have a pitched roof, with a range of sky lights at the bottom of the pitch, and clearstory windows. The rest of the building is covered with a flat roof, averaging 62 feet in height, and provided with skylights. The second story is composed of a series of galleries, connected across the nave by two bridges, with access by four grand staircases. The area of the galleries in the second story is 118,546 square feet, or 2.7 acres. The exterior walls of this building are composed of a continuous Corinthian order of pilasters, 3 feet 6 inches wide and 42 feet high, supporting a full entablature, and resting upon a stylobate 8 feet 6 inches. The total height of the walls from the grade outside is 68 feet 6 inches. At each of the four corners of the building there is a pavilion, above which rises a light open spire or tower 169 feet high. Intermediate between these corner pavilions and the central pavilions on the east and west sides, there is a subordinate pavilion bearing a low square dome upon an open lantern. The building has an open portico extending along the whole of the south façade, the lower or Ionic order forming an open screen in front of it. The various subordinate pavilions are treated with windows and balconies. The details of the exterior orders are richly decorated, and the pediments, friezes, panels and spandrels have received a decoration of figures in relief, with architectural motifs, the general tendency of which is to illustrate the purposes of the building. The appearance of the exterior is that of marble, but the walls of the hemicycle and of the various porticos and loggia are highly enriched with color, the pilasters in these places being decorated with scagliola, and the capitals with metallic effects in bronze.

Following are from the rules issued by Chief Barrett:

All exhibits of electrical apparatus are installed in the Electrical Building, excepting generators, and the adjuncts of a generating plant, which are shown in operation.

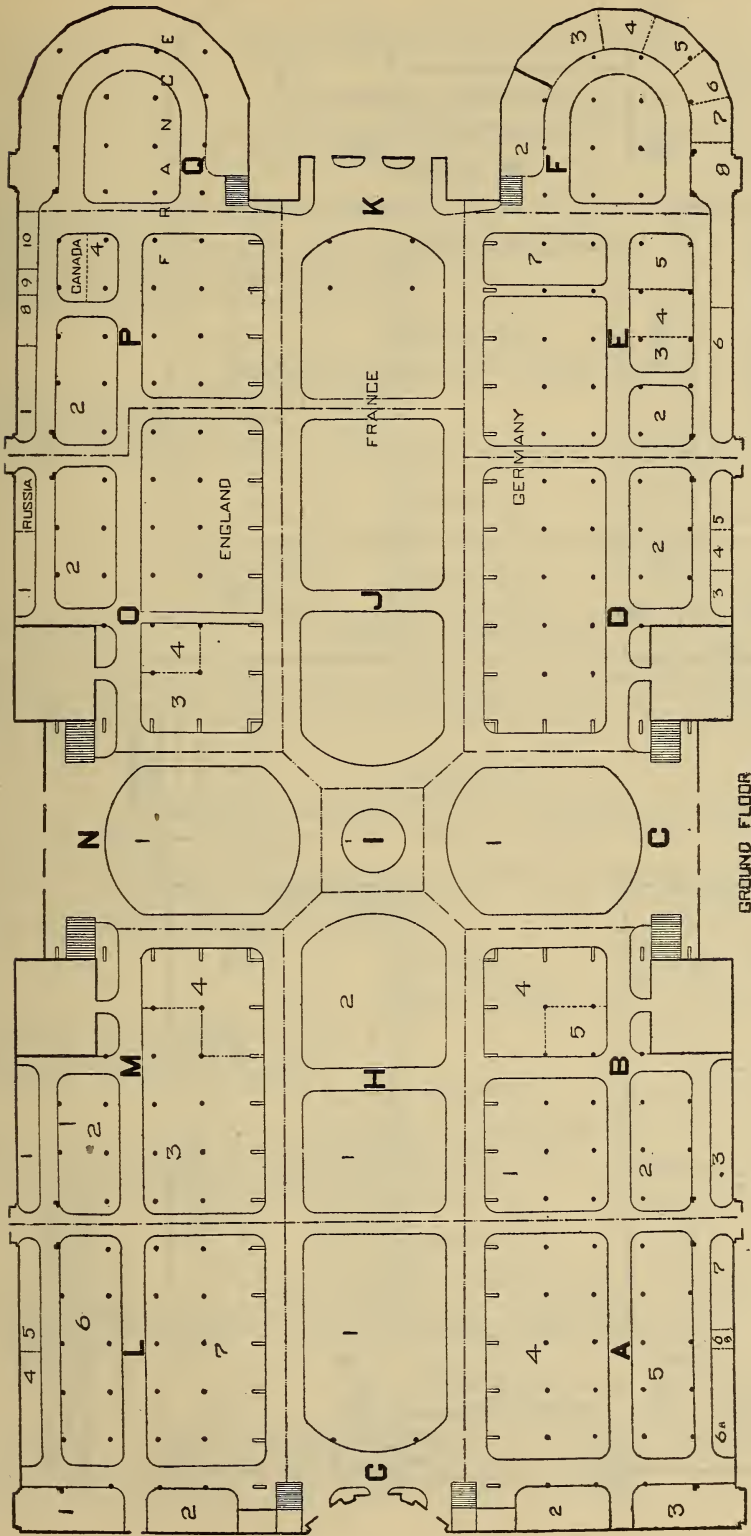
Ample facilities are furnished in the Electrical Building for moving any article or piece of machinery weighing not over 30,000 lbs., by means of railroad derricks.

No exhibitor can make exhibits in other than his own space without obtaining the written permission to do so from the Chief of the Department.

No exhibitor will be allowed to arrange his exhibit in a way to occasion inconvenience or affect the display of other exhibitors.

The floor of the Electrical Building is designed to sustain a weight of 150 pounds per square foot. Any exhibit requiring an extra support, in the judgment of the Chief of the Department, must be furnished with satisfactory support or foundation at exhibitor's expense.

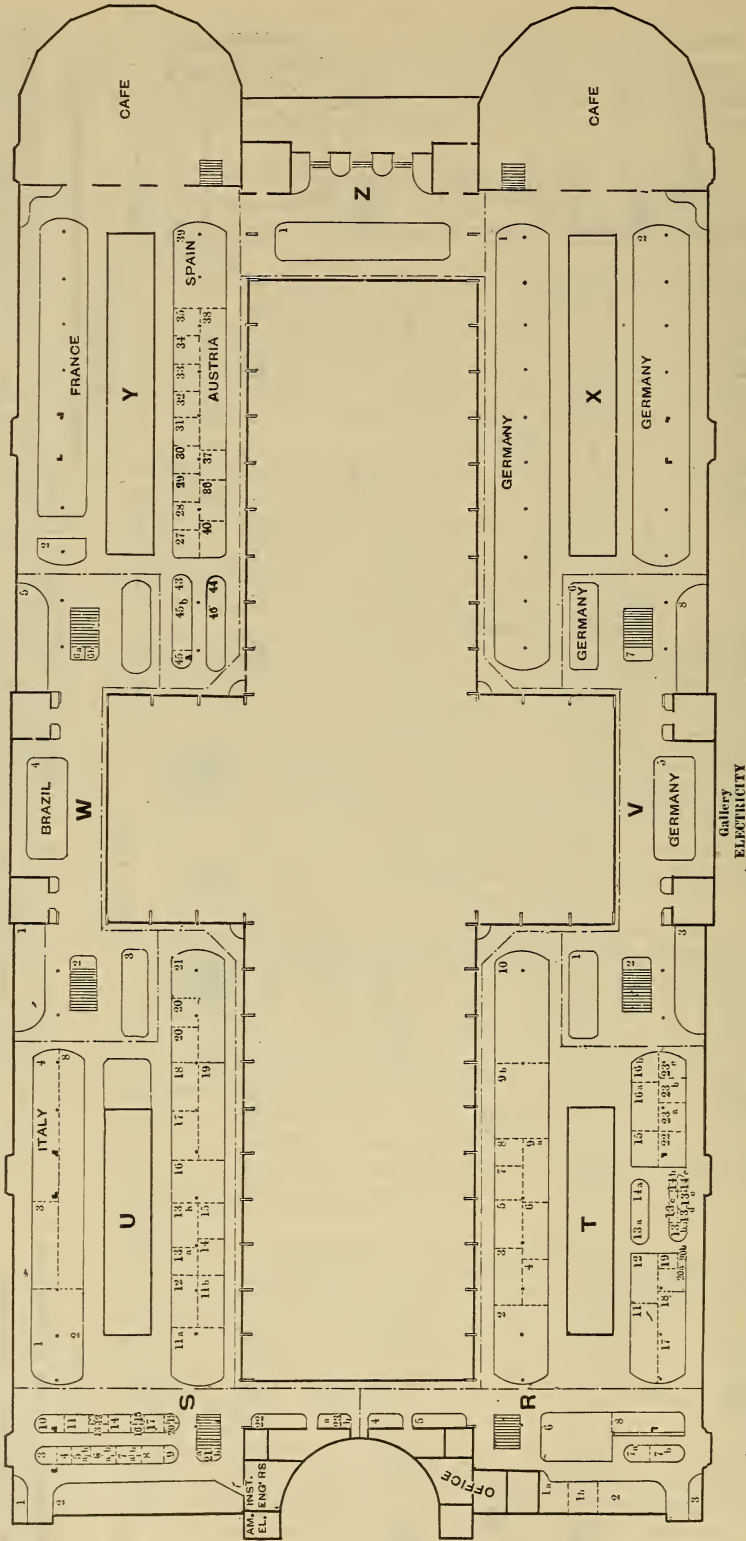
All platforms, railings, counters, signs, partitions and showcases must be erected at exhibitor's expense and shall not exceed dimensions given in the general rules.



KEY TO INSTALLATION.
 WORLD'S COLUMBIAN EXPOSITION.
 ELECTRICITY

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 numbered from A to Q, and on the gallery floor from R to Z. The sections are divided into exhibit spans, which are numbered. By consulting the floor plan the sections can be easily located. The location of exhibits is indicated 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.

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CLASSIFICATION.

ELECTRICAL DEPARTMENT (J.)

ELECTRICITY AND ELECTRICAL APPLIANCES.

GROUP 122.

APPARATUS ILLUSTRATING THE PHENOMENA AND LAWS OF ELECTRICITY AND MAGNETISM.

- Class 757. Static electricity.
- Class 758. Thermo electricity; thermo-electric batteries.
- Class 759. Magnets, temporary and permanent.
- Class 760. Induction coils, converters, etc.

GROUP 123.

APPARATUS FOR ELECTRICAL MEASUREMENTS.

- Class 761. Standard resistance coils.
- Class 762. Standard condensers.
- Class 763. Standard batteries.
- Class 764. Instruments of precision; voltmeters, ammeters, wattmeters, etc.

GROUP 124.

ELECTRIC BATTERIES, PRIMARY AND SECONDARY.

GROUP 125.

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

- Class 765. Dynamos of direct current, constant electro motive force; varying quantity.
- Class 766. Dynamos of direct current, constant quantity and varying E. M. F.
- Class 767. Dynamos of alternating current, constant E. M. F., and varying quantity.
- Class 768. Dynamos of alternating current, constant quantity and varying E. M. F.

GROUP 126.

TRANSMISSION AND REGULATION OF THE ELECTRICAL CURRENT.

- Class 769. Cables, wires, and insulation; rheostats, switches, indicators, registering meters; ammeters, voltmeters.
- Class 770. Safety and protective appliances; lightning rods, lightning arresters, insulators, fusible cut-outs, safety switches, etc.
- Class 771. Conduits, interior and underground.

GROUP 127.

ELECTRIC MOTORS.

- Class 772. Direct constant current.
- Class 773. Direct constant E. M. F.
- Class 774. Alternating current.

GROUP 128.

APPLICATION OF ELECTRIC MOTORS.

- Class 775. Street, underground, mining and other railways.
- Class 776. Elevators, pumps, printing presses, and general machinery.
- Class 777. Toys, novelties, and domestic appliances.

GROUP 129.

LIGHTING BY ELECTRICITY.

- Class 778. The arc systems, their lamps, fixtures and appliances.
- Class 779. The incandescent systems, their lamps, fixtures and appliances.

GROUP 130.

HEATING BY ELECTRICITY.

- Class 780. For warming and heating apartments.
- Class 781. For heating flat irons, soldering irons, and other objects used in industrial operations.
- Class 782. Maintenance of constant high temperature in ovens.
- Class 783. Electric heating furnaces.

GROUP 131.

ELECTRO-METALLURGY AND ELECTRO-CHEMISTRY.

- Class 784. Electrotyping.
- Class 785. Electro-plating, gilding and nickeling.
- Class 786. Electro-deposition of iron and other metals.
- Class 787. Electrolytic separation of metals from their ores or alloys.

GROUP 132.

ELECTRIC FORGING, WELDING, STAMPING, TEMPERING, BRAZING, ETC.

- Class 788. Apparatus for, and methods of forging, welding or joining iron, steel and other metals.
- Class 789. Brazing, stamping, tempering, etc.

GROUP 133.

ELECTRIC TELEGRAPHS AND ELECTRIC SIGNALS.

- Class 790. Various systems of transmitting and receiving.
- Class 791. Chronographs.
- Class 792. Annunciators.
- Class 793. Thermostats.
- Class 794. Fire alarm apparatus.
- Class 795. Police telegraph and burglar alarm apparatus.
- Class 796. Railroad signal apparatus.

GROUP 134.

THE TELEPHONE AND ITS APPLIANCES. PHONOGRAPHS.

- Class 797. Cables; construction and underground work.
- Class 798. Special protective devices.
- Class 799. Switch boards.
- Class 800. Transmitting apparatus.
- Class 801. Receiving apparatus.
- Class 802. Signalling apparatus.
- Class 803. Long distance systems.
- Class 804. Various systems of operation.
- Class 805. Subscribers' apparatus: Numbers, code, registers, etc.
- Class 806. Phonographs.—Receiving and recording apparatus.
- Class 807. Apparatus for the reproduction of recorded sounds and articulate speech.

GROUP 135.

ELECTRICITY IN SURGERY, DENTISTRY AND THERAPEUTICS.

- Class 808. Cautery apparatus.
- Class 809. Apparatus for the application of the electrical current as a remedial agent—surgical and dental.
- Class 810. Apparatus for diagnosis.
- Class 811. Apparatus for the destruction of life.

GROUP 136.

APPLICATION OF ELECTRICITY IN VARIOUS WAYS NOT HEREINBEFORE SPECIFIED.

- Class 812. Ignition of explosives; gas lighting, etc.
- Class 813. Control of heating apparatus by electricity, as applied to steam and hot air pipes and registers.
- Class 814. Electric pens.
- Class 815. Application in photography.

GROUP 137.

HISTORY AND STATISTICS OF ELECTRICAL INVENTION.

- Class 816. Objects illustrating the development of the knowledge of electricity and of the application of electricity in the arts.
- Class 817. Collections of books and publications upon electricity and its applications.

GROUP 138.

PROGRESS AND DEVELOPMENT IN ELECTRICAL SCIENCE AND CONSTRUCTION, AS ILLUSTRATED BY MODELS AND DRAWINGS OF VARIOUS COUNTRIES.

- Class 818. United States Patent Office and other exhibits of electrical models and drawings.
- Class 819. Foreign exhibits of electrical models and drawings.

GROUP 138 A.

- Class A. Construction tools, repairing tools, apparatus used in electrical construction.
- Class B. Apparatus for transmission of power to electrical generators (steam, compressed air, turbine oil friction, gearing, belting, etc., etc).
- Class C. Process of electro-engraving.
- Class D. Carbon and its application.
- Class G. Metals and their application in the construction of electrical apparatus.
- Class H. The kinetograph.
- Class J. Direct couple engine dynamos.
- Class K. Electrical lubricators.
- Class L. Application of electricity in testing and aging liquors.
- Class M. Electric tanning.

EUGENE F. PHILLIPS,
PRESIDENT.

W. A. HATHAWAY,
TREASURER.

W. H. SAWYER,
SECRETARY.

AMERICAN ELECTRICAL WORKS

PROVIDENCE, R. I., U. S. A.

◀—MANUFACTURERS OF—▶

Bare and Insulated Electric Wires

RAILWAY FEEDER AND TROLLEY WIRE.

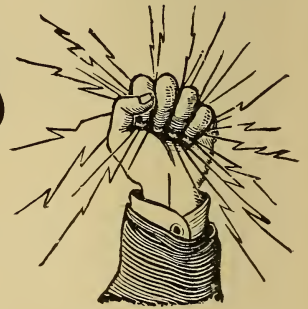
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AMERICANITE, MAGNET,
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EUGENE F. PHILLIPS ELECTRICAL WORKS, LTD.

Dept. J--Electricity and Electrical Appliances.

UNITED STATES.

GROUP 122.

Apparatus Illustrating the Phenomena and Laws of Electricity and Magnetism.

1. Belknap Motor Company, Portland, Me. Magnets. E-2 759
2. Brush Electric Company, Cleveland, Ohio.
 - a Temporary and permanent magnets. L-6-7 759
 - b Induction coils, converters, etc. 760
 For exhibit see page 673.
3. Diamond Electric Manufacturing Company, Peoria, Ill. Induction coils, converters, etc. L-4 760
4. Electrical Forging Co., Boston. Converters. D-2 760
For exhibit see page 826.
5. Elwell-Parker Electric Construction Co. (of America), Chicago. Transformers. E-3 760
6. Fort Wayne Electric Co., Fort Wayne, Ind. Converters and reactive coils. M-3 760
For exhibit see pages 498 and 645.
7. General Electric Company, New York and Boston.
 - a Magnets. H-2 759
 - b Induction coils, converters and transformers. C-1 760
8. Greeley, E. S., & Co., New York.
 - a Static apparatus. F-8 757
 - b Magnets. 759
 - c Induction coils, etc. 760
9. Heisler Electric Co., Philadelphia. Transformers. O-4 760
10. Indiana Insulated Wire & Rubber Co., Jonesboro, Ind. Transformer system. U-16 760
11. Munson Lightning Conductor Company, Indianapolis, Ind. Electric machines. U-12 757
12. Powell, Wm., Company, Cincinnati. Induction coils. U-18 760
13. Pratt Electro Medical Supply Company, Chicago.
 - a Static electricity. U-11-a 757
 - b Thermo electric batteries. 758
 - c Temporary and permanent magnets. 759
 - d Induction coils. 760
14. Queen & Co., Philadelphia.
 - a Electrical machines. E-7 758
 - b Batteries. 758
 - c Induction coils and converters. 760
15. Standard Underground Cable Company, Pittsburg, Pa. Static arresters. L-5 757

16. Stanley Electric Mfg. Co., Pittsfield, Mass. Z-1
 - a Static electricity. 757
 - b Transformers; induction coils. 760
17. Thomson Electric Welding Co., Boston. Induction coils; transformers. O-2 760
18. Western Electric Co., Chicago.
 - a Magnets. A-4&5 759
 - b Induction coils, etc. 760
19. Westinghouse Electric Mfg. Co., Pittsburg, Pa. Induction coils and converters. Dept. F 760

GROUP 123.

Apparatus for Electrical Measurements.

20. Ansonia Electric Co., Chicago. Instruments of precision. Z-1 764
21. Anthony Electric Instrument Company, Chicago.
 - a Resistance coils. M-1&2 761
 - b Voltmeters, ammeters, etc. 764
22. Belknap Motor Company, Portland, Me. Voltmeters and ammeters. E-2 764
23. Central Electric Co., Chicago.
 - a Resistance coils. U-8 761
 - b Batteries. 767
 - c Instruments of precision. 764
24. Commercial Cable Co., New York.
 - a Condensers. Y-2 762
 - b Batteries. 763
25. Cutter, Geo., Chicago. Voltmeters; ammeters; wattmeters. T-3 764
26. Elwell-Parker Electric Construction Co. (of America), Chicago. Electrical measurement instruments. E-3 764
27. Fort Wayne Electric Co., Fort Wayne, Ind. Voltmeters, ammeters, polarity meters. Dept. F&M-3 764
For exhibit see pages 498 and 645.
28. General Electric Company, New York & Boston. Instruments of precision, volt meters, ammeters, watt meters, etc. M-4 764
29. Greeley, E. S., & Co., New York.
 - a Resistance coils. F-8 761
 - b Condensers. 762
 - c Batteries. 763
 - d Voltmeters, ammeters, etc. 764
30. Hirtlemann, C. J., New York. Batteries. S-3 763
31. Indiana Insulated Wire & Rubber Co., Jonesboro, Ind. Voltmeters, ammeters, wattmeters. U-16 764
32. Jaeger, Charles L., Maywood, N. J. Voltmeters, ammeters, etc. T-19 764
33. Lee, Charles E., Chicago. Battery test. S-20 764

DEPT. J.—ELECTRICITY AND ELECTRICAL APPLIANCES.

34. McIntosh Battery & Optical Co., Chicago. Electrical measurement apparatus. W-3 764
35. Pratt Electro Medical Supply Company, Chicago.
a Standard resistance coils. U-11-a 761
b Standard condensers. 762
c Voltmeters, ammeters, etc. 764
36. Queen & Co., Philadelphia.
a Resistance coils. E-7 761
b Condensers. 762
c Testing keys and batteries. 763
d Ammeters, voltmeters. 764
37. Railway Equipment Co., Chicago. Instruments of precision. F-1 764
38. Standard Electric Company, Chicago. Ammeters. P-2 764
39. Stanley Electric Mfg. Co., Pittsfield, Mass. Condensers. Z-1 762
40. Western Electric Co., Chicago.
a Resistance coils. A-4&5 761
b Condensers. 762
c Batteries. 763
d Instruments of precision, voltmeters, ammeters, wattmeters. 764
41. Weston Electric Instrument Co., Newark, N. J. Voltmeters, ammeters, galvanometers, etc. R-6 764
42. White, James, Glasgow, Scotland. Voltmeters; ammeters, wattmeters, etc. E-7 764
43. Whitney Electric Instrument Company, Boston. Electric test instruments. U-16 764
- GROUP 124.**
- Electric Batteries, Primary and Secondary.**
44. American Battery Company, Chicago. Primary and secondary batteries. T-9-a
45. Ansonia Electric Co., Chicago. Batteries. Z-1
- 45a. Arentz, Roald, Copenhagen, Denmark. Electric machine. Dept. H
46. Central Electric Co., Chicago. Batteries. U-8
47. Consolidated Electric Storage Co., Chicago. Storage batteries. R-2
48. Edison M'f'g Co., New York. Batteries. S-2
49. Elgin Telephone Co., Elgin, Ill. Batteries. T-13-a
50. Ford-Washburn Storelectro Co., Cleveland, O. Storage batteries. U-15
 For exhibit see page 1003.
51. Greeley, E. S., & Co., New York. Electric batteries. F-8
52. Harrison Battery Light & Power Co., Washington, D. C., Primary battery and boat cell. T-13-a
53. Heisler Electric Co., Philadelphia. Batteries. O-4
54. Hirlmann, C. J., New York. Primary batteries. S-3
55. International Automatic Light & Power Co., Chicago. Primary batteries. U-3
56. Leclanche Battery Company, New York. Batteries. V-7
57. Meyrowitz, E. B., New York. Storage batteries. W-2
58. National Carbon Co., Cleveland, Ohio. Carbon battery elements. R-7-b
59. National Engraving Machine Co., Chicago. Secondary batteries. S-8
60. Pfund, Richard, New York. Plunge battery. Z-1
61. Pratt Electro Medical Supply Company, Chicago. Electric batteries. U-11-a
62. Pumpelly, Jas. K., Chicago. Batteries. T-6
63. Queen, J. W., Philadelphia. Primary and secondary batteries. E-7
64. Roessler & Hasslacher, New York. Primary and secondary batteries. S-9
65. Union Electric Co., New York. Storage batteries. F-3
66. Union Electric Works, Chicago. Primary batteries. T-23
67. Vetter, J. C., & Co., New York. Electric batteries. W-2
68. Western Electric Co., Chicago. Batteries. A-4&5
69. Webb, G. F., Cleveland, Ohio. Galvanic batteries. Y-44
70. White, S. S., Dental Manufacturing Company, Philadelphia. Electric batteries. U-27
- GROUP 125.**
- Machines and Appliances for Producing Electrical Currents by Mechanical Power—Dynamical Electricity.**
71. Belknap Motor Company, Portland, Me. Direct current dynamos, constant E. M. F. E-2 765
72. Brush Electric Company, The, Cleveland, Ohio.
a Direct constant current dynamos—E. M. F. L-6-7 and Dept. F 765
b Direct current varying dynamos—E. M. F. 766
c Alternating current dynamos—constant E. M. F. 767
 For exhibit see page 673.
73. C. and C. Electric Motor Co., New York. Direct current dynamos. A-2 765
74. Commercial Electric Company, Indianapolis, Ind. Direct current dynamos, constant E. M. F. F-4 765
75. Crocker-Wheeler Electric Co., New York. Motor dynamos. L-1 765
76. Eddy Electric Manufacturing Company, Windsor, Conn. Direct current dynamos, constant E. M. F. B-3 765
 For exhibit see page 672.
77. Elektron Manufacturing Company, Springfield, Mass. Direct current dynamos, constant E. M. F. P-4 765
78. Elwell-Parker Electric Construction Co. (of America) Chicago.
a Direct dynamos. E-3 765
b Alternating dynamos. 767
79. Excelsior Electric Company, New York. Arc-light dynamos and power plant. B-5 & Dept. F 766
80. Fein, C. & E., Stuttgart, Germany. Dynamo machines. E-7 765
81. Ford-Washburn Storelectro Co., Cleveland, Ohio. Direct current dynamos. U-15 765
 For exhibit see page 1003.

UNITED STATES.

82. Fort Wayne Electric Co., Fort Wayne, Ind. M-3
a Railroad and power generators. 765
b Arc dynamos. 766
c Alternating dynamos. 767
 For exhibit see pages 498 and 645.
83. General Electric Company, New York and Boston.
a Direct current dynamos. C-1; H-20; J-1; N-1; O-3; PP. Dept. F; PH. Intramural Railway; Battle ship. 765
b Direct current dynamos. B-4; PP. Dept. F 766
c Alternating current dynamos. C-1; N-1 767
d Alternating current dynamos. C-1 768
84. Greeley, E. S., & Co., New York.
a Direct current dynamos, constant E. M. F. F-8 765
b Direct current dynamos, varying E. M. F. 766
c Alternating current dynamos, constant E. M. F. 767
85. Hanson & VanWinkle Co., Chicago.
a Direct current dynamos, constant E. M. F. L-4 765
b Direct current dynamos, varying E. M. F. 766
86. Heislser Electric Co., Philadelphia.
a Direct dynamos. O-4 765
b Alternating dynamos. 767
87. Jenny Electric Motor Co., Indianapolis, Ind. Direct current dynamos. L-2 765
88. Mather Electric Company, Chicago. Compound wound power generators and direct current dynamos. M-1-2 765
89. National Carbon Co., Cleveland, Ohio. Dynamo carbon brushes. R-7-b 765
90. Pratt Electro Medical Supply Company, Chicago.
a Direct current dynamos—constant E. M. F. U-11-a 765
b Direct current dynamos—varying E. M. F. 766
91. Queen, J. W., Philadelphia. Cradle dynamo meters. E-7 766
92. Short Electric Railway Co., Cleveland, O. Street railway motors. L-6-7 765
93. Standard Electric Company, Chicago. Direct current dynamos, varying E. M. F. P-2, Dept. F 766
94. Thomson Electric Welding Co. Boston. Alternating current dynamos. O-2 767
95. Wagner Electric Manufacturing Company, St. Louis.
a Direct current dynamos—constant E. M. F. A-7 765
b Direct current dynamos—varying E. M. F. 766
c Alternating current dynamos—constant E. M. F. 767
d Alternating current dynamos—varying E. M. F. 768
96. Western Electric Co., Chicago.
a Direct dynamos. A-4&5 765
b Alternating dynamos. 767
97. Westinghouse Electric Mfg. Co., Pittsburg, Pa. Dept. F
a Direct dynamos. 766
b Alternating dynamos. 768
98. White, S. S., Dental Manufacturing Company, Philadelphia.
a Direct current dynamos, varying E. M. F. U-27 766
b Alternating current dynamos, constant E. M. F. 767
99. Wing, L. J., & Co., New York. Direct current dynamos. P-10 765-766
100. Zucker & Levett Chemical Co., New York. Direct current dynamos. F-2 765

GROUP 126.

Transmission and Regulation of the Electrical Current.

101. Ansonia Electric Co., Chicago. Cables, wires, switches, etc. Z-1 769
102. Anthony Electric Instrument Company, Chicago. Indicators and registering meters. M-1 & 2 769
103. Brixey, W. R., New York. Wires, cables. T-2 769
 For exhibit see page 687.
104. Brush Electric Company, The, Cleveland, Ohio. Dials and ammeters. Dept. F 769
105. Brush Electric Company, Chicago.
a Switches, rheostats and electric supplies. L-6-7 769
b Arresters, insulators and safety appliances. 770
 For exhibit see page 673.
106. Carpenter Enamel Rheostat Co., Bridgeport, Conn. Rheostats. R-6 769
107. Celluloid Zapon Co., New York. Celluloid for insulation purposes. L-4 769
108. Central Electric Co., Chicago.
a Wires; lead cables. U-8 769
b Switches, insulators, etc. 770
c Conducts; tubing. 771
109. Commercial Cable Co., New York. Ocean cable operating apparatus. Y-2 769
110. Chicago Electric Wire Company of Wilmington, Wilmington, Del.
a Electrical supplies. T-15 769
b Interior and other conduits. 771
111. Curtis Electric Manufacturing Company, Jersey City, N. J.
a Rheostats. F-7 769
b Safety and protective appliances. 770
112. Cutter, Geo., Chicago.
a Rheostats; switches. T-3 769
b Insulators; cut-outs. 770
113. Cutter Electric & M'fg Co., Philadelphia, Pa. Push and key electric switch. Z-1 769
114. C. & C. Electric Motor Co., New York. Cables; wires; rheostats; switches; meters. A-2 769
115. Electrical Conduit Co., New York. Conduits. P-1 771
116. Electrical Forging Company, Boston.
a Cables, wires, rheostats, switches. D-2 769
b Insulators, fusible cut-outs and safety switches. 770
 For exhibit see page 826.
117. Electric Heat Alarm Co., Boston. Safety heat appliance. T-14 c 770
 For exhibit see page 681.
118. Electric Selector & Signal Co., New York.
a Signal indicator. U-19 769
b Electric light locks. 770

DEPT. J.—ELECTRICITY AND ELECTRICAL APPLIANCES.

119. Electrical Specialty Company, Denver, Colo.
a Switch. S-21-b 769
b Cut-out. 770
120. Elektron Manufacturing Company, Springfield, Mass. Cables, wires, and electrical appliances. P-4 769
121. Elwell-Parker Electric Construction Co., (of America) Chicago.
a Transformers. E-3 769
b Protective appliances. 770
122. Empire China Works, Brooklyn, N. Y. Hard porcelain electrical supplies. S-19 770
123. Eureka Tempered Copper Co., North East, Pa. U-14
a Copper for bearings. 769
b Commutators, brushes, etc. 770
124. Fere, Malcolm, de la, Minneapolis, Minn. T-10 769
a Cables, wires, specialties, etc.
b Railroad and other safety appliances. 770
125. Fort Wayne Electric Co., Fort Wayne, Ind. M-3 & Dept. F
a Rheostats; switches; meters. 769
b Lightning arresters, etc. 770
 For exhibit see pages 498 and 645.
126. Gault, N. C., & CO., Winona, Minn. Lightning rod with machine at work. Y-46 770
127. General Electric Company, New York and Boston.
a Rheostats, switches and meters. B-4; C-1; H-2; H-2; J-1; M-4; N-1; O-3; PP. Dept. F; PH. Intramural Railway. Battle ship. 769
b Safety appliances, lightning arresters and cut-outs. B-4; C-1; PP. Dept. F; PH. Intramural Railway. Battle ship. 770
c Underground conduits. J-1; PP. Dept. F 771
128. Greeley, E. S., & Co., New York.
a Electrical supplies. F-8 769
b Safety appliances. 770
129. Hope Electric Appliance Co., Providence, R. I.
a Mast arms. S-15, 16, 17 769
b Cut-outs, switches, etc. 770
c Conduits. 771
130. Indiana Insulated Wire & Rubber Co., Jonesboro, Ind. U-16
a Insulated wire. 769
b Safety appliances. 770
c Rubber conduits. 771
131. India Rubber Comb Co. The, New York. S-11
a Rubber insulation. 769
b Hood insulators, tubing; sheeting. 770
 For exhibit see pages 350 and 646.
132. India Rubber & Gutta Percha Insulating Co., New York. Electric cables and cords. Z-1 769
133. Jaeger, Charles L., Maywood, N. J. Compass, recording log and governors. T-19 769
134. Jenny Electric Motor Co., Indianapolis, Ind. Conductors, ammeters; voltmeters. L-2 766
135. Johns, H. W., M'f'g Co., New York. U-21
a Insulating sheets; vulcabeston. 769
b Moulded mica. 770
c Conduits; asbestos. 771
136. Knapp, Geo. S., Chicago. Historical collection of lightning rods. S-10 770
137. Lee, Charles E., Chicago. Automatic battery cut-out. S-20 770
138. Mather Electric Company, Chicago.
a Electrical supplies. M-1-2 769
b Insulation appliances. 770
139. McIntosh Battery & Optical Co., Chicago. Rheostats; rheotomes. W-3 769
140. McNeil Tinder Electric Company, Winchester, Ky. Electric current indicators and registering meters. Y-35-a 769
141. Munson Lightning Conductor Co., Indianapolis, Ind. U-12
a Lightning conductors; glass balls. 769
b Vanes, etc. 770
142. Murphy, T. J., New York. Switch board. R-6 769
143. National Conduit Manufacturing Company, New York. Cement lined pipe for conduit. L-5 771
144. New England Butt Company, Providence, R. I. Braiders, winder and measuring machines. T-12 769
 For exhibit see page 683.
145. New York Insulated Wire Co., New York. T-11
a Insulated cables and wires. 769
b Tapes and compounds. 770
c Conduits. 771
146. North American Electric Co., New York. Rhesotats for lamps, etc. S-12 769
147. Norwich Insulated Wire Co., New York. Electric light cables. T-16-a 769
148. Okonite Co., New York. Okonite electric wires. U-8 769
149. Paiste, H. T., Philadelphia.
a Switches, meters, etc. S-22 769
b Cut-outs; safety appliances. 770
150. ass & Seymour, Syracuse, N. Y. Cut-outs and switches. T-3 770
151. Pendleton Glass Tube & Pipe Works, Pendleton, Ind. Cast glass. A-4&5 770
152. Platt, O. S., Bridgeport, Conn. Switches. U-16 769
153. Queen, J. W., Philadelphia. Meters; balances; voltmeters. E-7 769
154. Railway Equipment Co., Chicago. F-1
a Resistance boxes, insulators, switches, etc. 769
b Fuse wire, brackets and hangers. 770
155. Roessler & Hasslacher, New York. Electrical supplies and appliances. S-9 769
 For exhibit see page 425.
156. Standard Electric Company, Chicago.
a Cables, wires, and electrical supplies. P-2 769
b Safety and protective appliances. 770
c Conduits. 771
157. Standard Paint Co., New York. T-18
a Insulating compounds; tape; paper. 769
b Armature varnish and paints. 770

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158. Stanley Electric M'f'g Co., Pittsfield, Mass. Safety appliances. Z-1 770
159. Standard Underground Cable Company, Pittsburg, Pa.
a Cables and cable-boxes. L-5 769
b Cut-outs, binding-posts and lightning arresters. 770
c Conduits. 771
160. Thomson Electric Welding Co., Boston.
a Rheostats, switches, etc. O-2 769
b Safety appliances. 770
161. Union Electric Co., New York. Pipe-underground conduits. F-3 771
162. Utica Electric Mfg. & Supply Co., Utica, N. Y. R-4
a Double pole knife switches. 769
b Lightning arresters; fuse boxes; block and circuit jumpers. 770
163. Van Nuis, C. S., New York. Switches. R-6 769
164. Washburn & Moen Mfg. Co., Worcester, Mass. Light cables and wires. V-3 766
 For exhibit see page 357.
165. Western Electric Co., Chicago. A-4&5
a Cables, wires, rheostats, switches, indicators; meters. 769
b Safety appliances. 770
c Underground conduits. 771
166. Westinghouse Electric Mfg. Co., Pittsburg, Pa.
a Cables; wires; insulation. Dept. F 769
b Safety appliances. Dept. F 770
167. White, James, Glasgow, Scotland. Electrometers, rheostats, indicators, etc. E-7 769

**GROUP 127.
Electric Motors.**

168. Acme Filter Company, St. Louis. Direct constant E. M. F. motors. A-7 773
169. American Graphophone Co., Washington, D. C. Motors driving graphophones. S-14 773
170. Ansonia Electric Co., Chicago. Motors. Z-1 772
171. Baxter Electric Motor Co., Baltimore, Md. Electric motor. Dept. G 773
172. Belknap Motor Company, Portland, Me. E-2
a Direct constant current motors. 772
b Direct constant E. M. F. motors. 773
173. Brush Electric Company, Cleveland, Ohio. L-6-7 772
a Direct constant current motors.
b Direct constant F. M. F. motors. 773
 For exhibit see page 673.
174. Colburn Electric Mf'g Co., Fitchburg, Mass. Electric motors. L-4 773
175. Commercial Cable Co., New York. Motors. Y-2 773
176. Commercial Electric Company, Indianapolis, Ind. Direct constant F. M. F. motors. F-4 773
177. Consolidated Electric Storage Co., Philadelphia. Motors. R-2 772
178. Crocker-Wheeler Electric Co., New York. Motors. L-1 772
179. C. & C. Electric Motor Co., New York. Motors. A-2 773
180. Curtis Electric Manufacturing Company, Jersey City, N. J. F-7
a Direct constant current motor. 772
b Direct constant E. M. F. motor. 773

181. Eddy Electric Manufacturing Company, Windsor, Conn. Direct constant E. M. F. motors. B-3 773
 For exhibit see page 672.
182. Edison M'f'g Co., New York. Electric motors. S-2 773
183. Elektron Manufacturing Company, Springfield, Mass. P-4
a Direct constant E. M. F. motor. 773
b Alternating current motors. 774
184. Electrical Forging Co., Boston. Motor generator. D-2 774
 For exhibit see page 826.
185. Elwell-Parker Electric Co. (of America), Chicago.
a Direct constance motors. E-3 772
b E. M. F. direct constance motors. 773
186. Excelsior Electric Company, New York. B-5
a Direct constant current motors. 772
b Direct constant E. M. F. motors. 773
c Alternating current motors. 774
187. Ford-Washburn Storelectro Co., Cleveland, Ohio. Motors. U-15 773
 For exhibit see page 1003.
188. Fort Wayne Electric Co., Fort Wayne, Ind.
a Motors. 1-M-3 772
b Motors. 773
c Motors. 774
 For exhibit see pages 498 and 645.
189. General Electric Company, New York and Boston. H-2
a Direct constan current motors. 772
b Direct constant E. M. F. motors. In service; B-4; C-1; H-2; J-1; N-1; Battle ship. 773
c Alternating current motors. H-2; C-1; N-1 774
190. Hanson & Van Winkle Co., Chicago. L-4 722
a Direct constant current motors.
b Direct constant E. M. F. motors. 773
191. Heisler Electric Co., Philadelphia. O-4 772
b Motors. 774
192. Indiana Insulated Wire & Rubber Co., Jonesboro, Ind. Motors. U-16 774
193. Jenny Electric Motor Co., Indianapolis, Ind. Motors. L-2 773
194. Mather Electric Company, Chicago. Direct constant E. M. F. motors. M-1&2 773
195. Meyrourtz, E. B., New York. Direct constant current motor. W-2 772
196. Pratt Electro Medical Supply Company, Chicago. U-11-a
a Direct constant current motors. 772
b Direct constant E. M. F. motors. 773
197. Rockford Electric Manufacturing Company, Rockford, Ill. Direct constant potential motor. P-2; Dept. F and Dept. G 773
198. Smith Pneumatic Transportation & Storage Co., Chicago. Electric motors. Dept. G 772
199. Standard Electric Company, Chicago. Constant current series motor. P-2 772
200. Stanley Electric Mfg. Co., Pittsfield, Mass. Motors. Z-1 774
201. Union Electric Co., New York. Motors. F-3 773
202. Union Electric Works, Chicago. Battery motors. T-23 772

DEPT. J.—ELECTRICITY AND ELECTRICAL APPLIANCES.

203. Wagner Electric Manufacturing Company, St. Louis. A-7
a Direct constant current motors. 772
b Direct constant E. M. F. motors. 773
c Alternating current motors. 774
204. Western Electric Co., Chicago. Motors. A-4&5 772
205. Westinghouse Electric Mfg. Co., Pittsburg, Pa. Motors. Dept. F. 773, 774
206. Wing, L. J., & Co., New York. Motors. P-10 772, 773
207. Zucker & Levett Chemical Co., New York. Motors. F-2 773
- GROUP 128.**
- Application of Electric Motors.**
208. American Battery Company, Chicago. Electric toys, novelties and domestic appliances. T-9-a 777
209. Ansonia Electric Co., Chicago.
a Railway motors. Z-1 775
b Motors generally applied. 776
210. Belknap Motor Company, Portland, Me.
a Coffee mills. E-2 776
b Domestic appliances. 777
211. Bemis Car Box Company, Springfield, Mass. Street railway truck. H-2 775
212. Central Electric Co., Chicago.
a Railway motors. U-8 775
b Application of motors to novelties. 779
213. Commercial Cable Co., New York. Motors operating telegraphic instruments. Y-2 777
214. Consolidated Electric Storage Co., Philadelphia. Fans and toys. R-2 777
215. Crane Elevator Company, Chicago. Electric passenger elevator and power pump. Dept. F 776
216. C. & C. Electric Motor Co., New York. Motors generally applied. A-2 776
217. Crocker-Wheeler Electric Company, New York. Electric motors. L-1 776
218. Crowell, Gilmer, Brooklyn. Pressure blower and reservoir. U-13-A 776
219. Curtis Electric M'f'g Co., Jersey City, N. J. Car (mounted on truck and equipped). On exhibition tracks 776
220. Curtis Electric Manufacturing Company, Jersey City, N. J. Motors for street railways. F-7 775
221. Cutter, Geo., Chicago. Motors generally applied. T-3 776
222. Electric Launch & Navigation Co., New York. Electric passenger launches on the lagoons. 776
223. Electrical Machine Company, Chicago. Electrical cloth cutting machine. Y-36 776
224. Elektron Manufacturing Company, Springfield, Mass. Electric elevators. P-4 776
225. Elwell-Parker Electric Construction Co. (of America), Chicago.
a Motors applied to railways. E-3 775
b Motors applied to elevators, etc. 776
226. Emerson Electric Manufacturing Company, St. Louis, Mo. Alternating fan motor. U-16 776
227. Fere, Malcolm de la, Minneapolis, Minn.
a Model electric railroad and maintenance. T-10 775
b Model electric submarine vessel. 777
228. Ford-Washburn Storelectro Co., Cleveland, Ohio. Motors generally applied. U-15 776
 For exhibit see page 1003.
229. Fort Wayne Electric Co., Fort Wayne, Ind. Motors driving dynamo machines. M-3 776
 For exhibit see pages 498 and 645.
230. General Electric Company, New York and Boston.
a Motors for railways. H-2; Intramural Railway; Dept. G 775
b Motors for general application. B-6; C-1; H-2; J-1; N-1; Dept. F; Dept. G; Launches. 776
c Motors for novelties. C-1 777
231. Goulds Manufacturing Company, Seneca Falls, N. Y. Electric pump. Dept. G 776
232. Greeley, E. S., New York. Domestic appliances. F-8 777
233. Griffin Wheel & Foundry Company, Chicago. Car wheels. Dept. G 775
234. Illinois Alloy Co., Chicago. Railway trolley wheels. T-14-B 775
235. Jackson & Sharp, Wilmington, Del. Electric railway. Intramural Ry. 775
236. Jenny Electric Motor Co., Indianapolis, Ind. Motors applied to novelties. L-2 777
237. Jewell Belting Co., Hartford, Conn. Dynamo belting. F-6 776
 For exhibit see page 469.
238. K. A. P. Electrical Novelty Company, La Crosse, Wis. Model globe, operated by electric motor. V-2 777
239. Knights Coin Central Boot Blacking Co., Chicago. Electric boot blacking machine. T-16-b 777
240. Lawrence Machine Company, Lawrence, Mass. Centrifugal pump. Dept. F 776
241. Lidgerwood Manufacturing Company, New York. Mining hoist. Dept. F 776
242. Mather, A. C., Chicago. Working models of cars and boats. E-5 775
243. Mather Electric Company, Chicago.
a Railway motors. M-1-2 775
b Elevator and general machinery motors. 776
244. McIntosh Battery & Optical Co., Chicago. Batteries and machines applied to novelties. W-3 777
245. Merrill Bros., Brooklyn, N. Y. Drop hammer, trimming press. D-2 776
246. Munson, Chas., Belting Co., Chicago. Belting. D-4 776
247. New York Air Brake Company, New York. Air brake equipment. H-2 775
248. Otis Bros. & Co., New York. Electric pumps. Dept. G 776
249. Page Belting Co., Chicago. Dynamo belting. D-5 776
250. Powell, Wm., Company, Cincinnati. Electrical machinery; oil cups for motors, etc. U-18 776

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- 251. Pratt Electric Medical Supply Company, Chicago. Electric novelties. U-11-a 777
- 252. Railway Equipment Co., Chicago. Trolley appliances. F-1 775
- 253. Robinson Electric Truck and Supply Co., Boston. Street railway truck. H-2 775
- 254. Rockford Electric Manufacturing Company, Rockford, Ill. Motor applied to generators and machinery. Z-1 776
- 255. Schieren, Chas. A., & Co., Chicago. Dynamo belting; perforated leather raw hide rope. D-3 776
- 256. Short Electric Railway Co., Cleveland, O. Railway motors and appliances, electric car. On Exhibition track. L-6-7 775
- 257. Sloss Electric Gaslight & Specialty Co., Chicago. Fan motors operated by batteries. A-6-A 777
- 258. Steam Stone Cutter Company, Rutland, Vt. Electric channeling machine. N-1 776
- 259. Stephenson, John, & Co., New York. Street railway truck. H-2 775
- 260. Sperry Electric Co., Cleveland, O. Street railway motors. On Exhibition tracks. 775
- 261. Taylor Electric Truck Company, Troy, N. Y. Street railway truck. H-2 775
- 262. Union Electric Co., New York. Street railway appliances. F-3 775
- 263. Union Electric Works, Chicago. a Battery motors applied to general machinery. T-23 776
b Battery motors applied to novelties. 777
- 264. Vetter, J. C., & Co., New York. Domestic appliances. W-2 777
- 265. Webb, G. F., Cleveland, Ohio. Electric novelties and domestic appliances. Y-44 777
- 266. Western Electric Co., Chicago. a Motors applied to street railways. A-4&5 775
b Motors applied to general machinery. 776
c Motors applied to novelties. 777
- 267. Westinghouse Electric Mfg. Co., Pittsburg, Pa. Motors applied to railways. Dept. F. 775
- 268. Wharton, Wm. Jr., & Co., Philadelphia. Street railway truck and rails. H-2 775
- 269. Wing, L. J., & Co., New York. Disc fans and motor; exhaust fans and ventilators. P-10 776
- 270. Zucker & Levett Chemical Co., New York. Pumps, cranes and organs. F-2 776

GROUP 129.

Lighting by Electricity.

- 271. Ansonia Electric Co., Chicago. a Arc systems. Z-1 778
b Incandescent systems. 779
- 272. Belknap Motor Company, Portland, Me. a Arc lighting appliances. E-2 778
b Incandescent lighting appliances. 779

- 273. Brush Electric Company, Cleveland, Ohio. a Arc system and appliances. L-6-7 778
b Incandescent system and appliances. 779
For exhibit see page 673.
- 274. C. C. Electric Motor Co., New York. Power generators. A-2 779
- 275. Central Electric Co., Chicago. a Arc system. U-8 778
b Incandescent system. 779
- 276. Colburn Electric M'fg Co., Fitchburg Mass. Incandescent system. L-4 779
- 277. Commercial Electric Company, Indianapolis, Ind. Incandescent lighting and appliances. F-4 779
- 278. Cutter, Ge., Chicago. a Arc system fixtures. T-3 778
b Incandescent system fixtures. 779
- 279. Eddy Electric Co., Windsor, Conn. Power generators. B-3 778
F-1 779
For exhibit see page 672
- 280. Electrical Specialty Company, Denver, Col. Push button socket. S-21-b 779
- 281. Electrical Forging Company, Boston. a Lamps, fixtures and appliances for arc lighting. D-2 778
b Incandescent systems. 779
For exhibit see page 826.
- 282. Electric Selector & Signal Co., New York. Arc light cut-outs. 2-U-19 77
- 283. Elektron Manufacturing Company, Springfield, Mass. Incandescent lighting and appliances. P-4 779
- 284. Elwell-Parker Electric Construction Co. (of America) Chicago. a Arc systems. E-3 778
b Incandescent systems. 779
- 285. Excelsior Electric Company, New York. a Arc lamps and appliances. B-5 778
b Incandescent system and appliances. 779
- 286. Ford-Washburn Storelectro Co., Cleveland, Ohio. Incandescent lighting. U-15 779
For exhibit see page 1003
- 287. Fort Wayne Electric Co., Fort Wayne, Ind. a Arc system fixtures. M-3 778
b Incandescent system fixtures. 779
For exhibit see pages 498 and 645
- 288. General Incandescent Arc Light Co., New York. Arc lamps for incandescent circuits. E-6 778-779
- 289. General Electric Company, New York and Boston. a Search lights and arc system; luminous electrical fountains. B-4; C-1; Battle ship. 778
b Incandescent system. C-1; I-21; J-1; M-4; O-30; Intramural Railway. Battle ship; Exposition service. 779
- 290. General Fixture Company, New York. a Fixtures for incandescent light. Battle ship. 779
b Arc fixtures. B-4, C-1, I-1, J-1, M-4, N-1, O-3 778

DEPT. J.—ELECTRICITY AND ELECTRICAL APPLIANCES.

291. Greeley, E. S., & Co., New York.
a Arc lighting. F-8 778
b Incandescent lighting. 779
292. Hanson & Van Winkle Co., Chicago.
 Incandescent lighting. L-4 779
293. Healy & Millett, Chicago. Orna-
 mental glass for electric effects. A-4-5 779
294. Heisler Electric Co., Philadelphia.
 Series lamps, cut-outs and sockets.
 O-4 779
295. Indiana Insulated Wire & Rubber
 Co., Jonesboro, Ind. Incandescent sys-
 tem. U-16 779
296. International Automatic Light &
 Power Co., Chicago.
a Arc lighting. U-3 778
b Incandescent lighting. 779
297. Jenny Electric Motor Co., Indianap-
 olis, Ind. Incandescent system. L-2 779
298. Johns, H. W., Mfg. Co., New York.
 Appliances for incandescent lighting.
 U-21 779
299. K. A. P. Electric Novelty Co., La
 Crosse, Wis. Incandescent wiring sys-
 tem and socket. V-2 779
300. Mather Electric Company, Chicago.
 Systems of incandescent lighting.
 M-1&2 779
301. National Carbon Co., Cleveland, O.
 Arc light carbons. R, 7-b 778
 For exhibit see page 1000
302. New York & Ohio Co., Warren,
 Ohio. Incandescent lamps. U-16 779
303. North American Electric Co., New
 York. Rheostats for incandescent lamps.
 S-12 779
304. Paiste, H. T., Philadelphia.
a Appliances for arc system. S-22 778
b Appliances for incandescent system.
 779
305. Phoenix Glass Co., Pittsburg, Pa.
 Electroliers, globes, shades, etc. 1-1 778
 For exhibit see page 677.
306. Railway Equipment Co., Chicago.
 Incandescent lamps and electroliers.
307. Rauda, Otto, New York. Electric
 scarf pin. Z-1 779
308. Sosman & Landis, Chicago. Scenic
 stages, curtains. A-4-5 779
309. Standard Electric Company, Chicago.
 Arc systems, lamps, fixtures and appli-
 ances. P-2 778
310. Standard Underground Cable Com-
 pany, Pittsburg, Pa. Lamp cord.
 L-5 779
311. Star Electric Lamp Co., Chicago. In-
 candescent lamps. Z-1 779
312. Star Iron Tower Company, Fort
 Wayne, Ind. Tower and mast arms for
 electric lights. R-8 778
313. Swan Lamp Manufacturing Company,
 Cleveland, Ohio. Incandescent lamps.
 L-6&7 779
314. Union Electric Works, Chicago. In-
 candescent lamps operated by batteries.
 T-23 779
315. Utica Electric Mfg. & Supply Co.,
 Utica, N. Y. R-4
a Arc systems; pole stands; carbon
 holders. 778
b Appliances for incandescent system.
 779
316. Walworth M'f'g Co., Boston. Rail-
 way and arc light poles. G-1 778
 For exhibit see page 486.
317. Western Electric Company, Chicago.
a Arc system and appliances.
 A-4&5 Dept. F 778
b Incandescent system and glass for
 light effects. G-1 779
318. Westinghouse Electric Mfg. Co.,
 Pittsburg, Pa.
a Arc system. Dept. F 778
b Incandescent system and plant.
 Dept. F 779
319. Zucker & Levett Chemical Co., New
 York.
a Fixtures for arc systems. F-2 778
b Fixtures for incandescent systems.
 779

GROUP 130.

Heating by Electricity.

320. American Electric Heating Co., Bos-
 ton.
a Apparatus for warming and heating
 by electricity. Z-1 780
b Electric heating appliances in indus-
 trial operations. 781
c Electric ovens. 782
d Electric furnaces. 783
321. Ansonia Electric Co., Chicago.
a Domestic heating apparatus. Z-1 780
b Industrial heating apparatus. 781
c Ovens. 782
322. Burton Electric Company, Richmond,
 Va.
a Electric heating appliances. A-7 780
b Apparatus for heating flat irons. 781
323. Cooper Electric Heater Company,
 Chicago. Electric heaters. T-7 780
324. Consolidated Electric Storage Co.,
 Philadelphia. Storage batteries applied
 to heating. R-2 781
325. Cutter, Geo., Chicago.
a heating apparatus. T-3 780
b Car heaters, flat irons, etc. 781
326. Electrical Forging Co., Boston.
a Metal heating generators. D-2 781
b Heating apparatus. 783
 For exhibit see page 826.
327. Greeley, E. S., & Co., New York.
 Heating apparatus. F-8 781
328. International Automatic Light &
 Power Co., Chicago. Electric heating ap-
 paratus. U-3 780
329. Johns, H. W., Mfg. Co., New York.
 Asbestos sheathing and fire felt.
 U-21 783
330. K. A. P. Electric Novelty Co., La
 Crosse, Wis. Hair curler. V-2 781
331. Railway Equipment Co., Chicago.
a Heaters. F-1 780
b Industrial heating appliances. 781
c Ovens. 782
d Furnaces. 783
332. Western Electric Co., Chicago.
 A-4&5
a Industrial heating apparatus. 781
b High temperature ovens. 782

UNITED STATES.

GROUP 131.

Electro-Metallurgy and Electro-Chemistry.

333. Colburn Electric M'f'g Co., Fitchburg, Mass.
- a* Electrotyping. L-4 784
 - b* Electroplating. 785
 - c* Electro deposition of metals. 786
 - d* Electrolytic separation processes. 787
334. Eddy Electric Manufacturing Company, Windsor, Conn.
- a* Electrotyping. B-3 784
 - b* Plating, gilding, etc. 785
- For exhibit see page 672.
335. Electrical Forging Co., Boston. Electrolytic metal separation. D-2 787
- For exhibit see page 826.
336. Elwell-Parker Electric Construction Co. (of America), Chicago.
- a* Instruments for electro-chemistry. E-3 786
 - b* Instruments for electro-metallurgy. 787
337. Excelsior Electric Company, New York.
- a* Electrotyping. B-5 784
 - b* Electro plating, gilding and nickeling. 785
 - c* Electro deposition of metals. 786
 - d* Electrolytic separation of metals from ores. 787
338. General Electro Company, New York and Boston. Magnetic separator for separating iron ores. J-1 787
339. Greeley, E. S., & Co., New York. Electro plating, gilding, etc. F-8 785
340. Guillaume, Alfred, Chicago. Smelting furnace. T-4 787
341. Hall, C. F., Chicago.
- a* Method of electro-plating. U-17 785
 - b* Electro-plated goods. 786
342. Hanson & Van Winkle Co., Chicago.
- a* Electrotyping. L-4 784
 - b* Gilding and plating. 785
 - c* Electrolytic separation of metals. 787
343. Johns, H. W., Mfg. Co., New York. Insulating material. U-21 786
344. McIntosh Battery & Optical Co., Chicago. Batteries for electro-plating, gilding and nickeling. W-3 785
345. Ringler, F. A., New York.
- a* Photo-electrotyping. R-1-a 784
 - b* Electro-plating. 785
 - c* Electro-deposition of metals. 786
346. Roessler & Hasslacher, New York. Isolated and isolating paint. S-9 785
- For exhibit see page 425.
347. Zucker & Leavitt Chemical Co., New York.
- a* Electrotyping. F-2 784
 - b* Electro-plating. 785
 - c* Electro-deposition. 786

GROUP 132.

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

348. Billings & Spencer Co., Hartford, Conn.
- a* Forged commutator bars. R-7a 788
 - b* Construction tools. 789

349. Electrical Forging Co., Boston. Forgings, weldings and apparatus. D-2 788
- For exhibit see page 826
350. Phelps, A. H., Glens Falls, N. Y. Brazing and engraving. U-20-b 789
351. Thomson Electric Welding Company, Boston. Forging and welding of metals. O-35 788

GROUP 133.

Electric Telegraph and Electric Signals.

352. Ansonia Electric Co., Chicago. Annunciators. Z-1 792
353. Central Electric Co., Chicago.
- a* Telegraph instruments. U-8 790
 - b* Annunciators. 792
 - c* Thermostats. 793
 - d* Fire alarm apparatus. 794
 - e* Police telegraph apparatus. 795
354. Commercial Cable Co., New York. Automatic and multiplex transmitters. Y-2 790
355. Consolidated Electric Storage Co., Philadelphia. Signaling apparatus. R-2 796
356. Copenhagen Automatic Fire Alarm Co., Chicago.
- a* Thermostats. 793
 - b* Fire alarm apparatus. 794
357. Edgerton, E. M., Chicago. Automatic guest call, annunciator and programme call. T-20a 792
358. Electric Heat Alarm Co., Boston. Thermostats. T-14c 793
- For exhibit see page 681.
359. Electric Magneto Clock Co., Boston. Electric clocks. D-2 791
360. Electric Selector & Signal Co., New York.
- a* Secret telegraph service. U-19 790
 - b* Railroad block signals. 796
361. Electric Thermostat Co., Minneapolis, Minn. Electric automatic thermostat. Z-1 793
362. Elwell-Parker Electric Construction Co. (of America) Chicago. Railroad signal apparatus. E-3 796
363. Fere, Malcolm de la, Minneapolis, Minn. Railroad signal devices. T-10 796
364. Gamewell Fire Alarm Telegraph Company, Chicago.
- a* Fire alarm. V-1 794
 - b* Police telegraph system. 795
365. General Electric Company, New York and Boston. Dynamos for quadruplex telegraphic service. J-1 791
366. Goldfuss, O. F., Chicago. Electric automatic clocks. T-13-B 790
367. Gray, Elisha, Highland Park, Ill. Writing telegraph apparatus. W-5 790
368. Greeley, E. S., & Co., New York.
- a* Systems for transmitting and receiving. F-8 790
 - b* Chronographs. 791
 - c* Annunciators. 792
 - d* Thermostats. 793
 - e* Fire alarm apparatus. 794
 - f* Police and burglar alarm apparatus. 795
 - g* Railroad signal apparatus. 796
369. Holmes, Nathaniel L., Ann Harbor, Mich. Dining service. W-1 790

DEPT. J.—ELECTRICITY AND ELECTRICAL APPLIANCES.

370. Hurd, John F., Chicago. Electric coat-thief and pickpocket detector. S-13 795
371. Lawton, Harry A., & Mott, Kennon, Brunswick, Ga. Electrical call and clock annunciator. Y-45b 792
372. Lee, Charles E., Chicago. Annunciator. S-20 792
373. McCaskey, Alfred S., and Ellis, J. A., Chicago.
a Printing telegraph. T-11-b 790
b Electric program clock. U-11-b 791
c Railway block signal. 796
374. National Automatic Fire Alarm Co., New York. Fire alarm apparatus. A-3 794
375. Newman Clock Mfg. Co., Chicago. Annunciators; guest calls; alarm signals. Y-40 792
376. Police Telephone & Signal Co., Chicago. Police telephone and signal apparatus. V-1 785
377. Rauscher, John, St. Paul, Minn. Push buttons. T-13c 790
378. Striemer, A., Hayward, Wis.
a Guest call apparatus. T-13d 790
b Fire alarm indicator 794
379. Standard Electric Signal Co., Rochester, N. Y.
a Thermostats. S-6b 793
b Automatic fire alarm system. 794
380. Strowger Automatic Telephone Exchange, Chicago. Transmitting and receiving apparatus. T-7 790
381. Tate, D. D., Chicago. Model of block signal system. Y-37 796
382. Todd, John T., Chicago. Systems of transmitting and receiving. S-4 790
384. Western Electric Co., Chicago.
a Systems of transmitting and receiving. A-4&5 790
b Annunciators. 792
c Thermostats. 793
d Fire alarm apparatus. 794
e Police telegraph and burglar alarm apparatus. 795
385. Wilder Duplex Electric Burglar Alarm & Messenger Co., Chicago.
a Messenger box. A-6-a 794
b Burglar alarm. 795
- GROUP 134.**
- The Telephone and its Appliances. Phonographs.**
386. American Bell Telephone Co., Boston. Exhibit of history and development of telephone. G-1 804
387. American Graphophone Co., Washington, D. C.
a Phonographs. S-14 806
b Talking machines. 807
388. Brixey, W. R., New York. Telephone cables. T-2 797
 For exhibit see page 687.
389. Central Electric Co., Chicago.
a Telephone cables. U-8 797
b Telephone switchboards. 799
c Telephone transmitting apparatus. 800
390. Consolidated Electric Storage Co., Philadelphia. Storage batteries applied to telephones. R-2 804
391. Electric Selector & Signal Co., New York. Telephone signaling apparatus. U-19 802
392. Elgin Telephone Company, Elgin, Ill. Acoustic telephone and apparatus. T-13-a 804
393. Greeley, E. S., & Co., New York.
a Telephone cables. F-8 797
b Protective devices. 798
c Switchboards. 799
394. Marcus, Wm. N., Philadelphia.
 S-6-a
a Telephone mouth-piece. 800
b Rest for telephone receiver. 806
395. McCasky, Alfred S., & Ellis, J. A., Chicago. Automatic telephone exchange. U-11-b 799
396. North American Phonograph Company, Chicago. Phonographs and appliances. S-2 806
397. Norwich Insulated Wire Co., New York. Telephone cables. T-16-a 797
398. Sponholz, Clare L., Lowell, Mass. Telephone register directories. T-20-b 805
399. Standard Underground Cable Company, Pittsburg, Pa.
a Telephone cables. L-5 797
b Protective devices. 798
c Wire. 799
d Devices for telephone operations. 804
400. Strowger Automatic Telephone Exchange, Chicago.
a Switchboards. T-7 799
b Operation of telephones. 804
401. Washburn & Moen Mfg. Co., Worcester, Mass. Telephone cables and wires. V-3 797
402. Western Electric Co., Chicago.
a Telephone appliances. A-4&5 804
b Phonographs. 806
403. Wullweber, O. L., Chicago.
a Telephone transmitting apparatus. T-13-E 800
b Telephone receiving apparatus. 801
- GROUP 135.**
- Electricity in Surgery, Dentistry and Therapeutics.**
404. Consolidated Electric Storage Co., Philadelphia. Cautery apparatus. R-2 808
 Surgical and dental apparatus. U-6 809
405. Electro Medical Battery Company, Kalamazoo, Mich. Pocket battery. S-7-b 809
406. General Electric Company, New York and Boston. Dental drill. H-2 809
407. Greeley, E. S., New York.
a Cautery apparatus. F-8 808
b Surgical and dental apparatus. 809
408. K. A. P. Electric Novelty Co., La Crosse, Wis. V-2
a Dynamic cautery apparatus. 808
b Surgical apparatus. 809
409. McIntosh Battery & Optical Co., Chicago. Batteries and instruments applied in surgery, dentistry, etc. W-3 809
410. Meeker, Dr. G., Newark, N. J. Apparatus for physicians' use. S-23-b' 809
411. Meyrowitz, E. B., New York. Electrodes. W-2 809
412. Owens, Dr. A., Chicago. Apparatus for application of electrical current. T-1 809
 For exhibit see page 686.

UNITED STATES.

413. Pratt Electric Medical Supply Company, Chicago.
- a* Cautery apparatus. U-11-a 808
 - b* Appliances for therapeutic work and surgical and dental remedial agencies. 809
 - c* Microphonic stethoscope. 810
 - d* Batteries and appliances for electrolysis. 811
414. Queen & Co., Philadelphia. Cautery apparatus. E-7 808
415. Union Electric Co., New York.
- a* Cautery apparatus. F-3 808
 - b* Apparatus for diagnosis. 810
416. Vetter, J. C., & Co., New York.
- a* Cautery apparatus. W-2 808
 - b* Surgical and dental apparatus. 808
 - c* Apparatus for diagnosis. 810
417. Webb, G. F. Cleveland, Ohio.
- a* Cautery appliances. Y-44 808
 - b* Appliances for therapeutic purposes. 809
 - c* Apparatus for diagnosis. 810
418. White, S. S., Dental Manufacturing Company, Philadelphia. Dental surgical apparatus. U-27 809

GROUP 136.

Application of Electricity in Various Ways not Hereinbefore Specified.

419. Central Electric Co., Chicago. Pens. U-8 814
420. Commercial Cable Co., New York. Writing apparatus. Y-2 814
421. Cutter, Geo., Chicago. Gas lighting. T-3 812
422. Electric Gas Company, Boston. Ignition of explosives, etc. U-13-b 812
423. Franklin Electric Appliance Co., Boston.
424. Haltzer Carbon Electric Co., Boston. Electric automatic burner. Z-1 812
- ton. Heat regulator appliances. S-1 813
425. Knapp, Geo. S., Chicago. Historical collection of lightning rods. S-10 816
426. Lee, Charles E., Chicago. Temperature regulator. S-20 813
427. Sloss Electric Gaslight & Specialty Co., Chicago. Electric gaslights. A-6-A 812
428. Vetter, J. C., New York. Ignition of explosives, etc. W-2 812
429. Western Electric Co., Chicago.
- a* Ignition of explosives and gas lighting. A-4&5 812
 - b* Pens. 814
430. Wing, L. J., & Co., New York. Isolated electric lighting. P-10 812

GROUP 137.

History and Statistics of Electrical Inventions.

431. Central Electric Co., Chicago. Publications. T-9 817
432. Electrical Engineer, New York. Electrical books and publications. Y-30 816
433. Electrical Industries Publishing Company, Chicago. Electric books and publications. Y-27 817
434. Electrical Review, New York. Electrical books and publications. Y-33 817
435. Electrical World, New York. Electrical books and publications. Y-28 817

436. Electricity Newspaper Company, New York. Electrical books and publications. Y-32 817
437. General Electrical Company, New York and Boston. C-1
- a* Historical models. 816
 - b* Historical works. 817
438. Gray, Elisha, Highland Park, Ill. Objects illustrating electrical development. W-5 816
439. McIntosh Battery & Optical Co., Chicago. Apparatus illustrating the phenomena of electricity. W-3 816
440. National Engraving Machine Co., Chicago. Jewelers' engraving machine. S-8 816
441. Thomson Electric Welding Co., Boston. Objects illustrating electrical progress. O-2 816
442. Western Electric Co., Chicago. Objects illustrating electrical progress. A-4&5 816
443. Western Electrician, Chicago. Electrical books and publications. Y-31 817
444. Western Union Telegraph Company, Chicago. Collective exhibit. V-8 816

GROUP 138.

Progress and Development in Electrical Science and Construction, as Illustrated by Models and Drawings of Various Countries.

445. Gray, Elisha, Highland Park, Ill. Models and drawings. W-5 818
446. Western Electric Co., Chicago. Models and drawings. A-4&5 818

GROUP 138 A.

Construction and Repairs.

447. Billings & Spencer Co., Hartford, Conn.
- a* Construction and repairing tools. R-7 a
 - b* Commutators, bars and rings, nuts and eye bolts. g
448. Briggs, Orlando P., Chicago. Attachment for automatic machine. A-4 & 5 a
449. Case, J. L., Engine Company, New Britain, Conn. Engines driving dynamos. C-1 & Dept. F. b
450. Casper, Louis, Cheyenne, Wyo. Attachment for making perforated tape. S-21 a
451. Curtis Electric Manufacturing Company, Jersey City, N. J. Apparatus used in electrical construction. F-7 a
452. Diamond Mills Emery Co., Philadelphia. Powdered and grained emery. L-4 a
453. Edison, Thomas A., Orange, N. J. Kinetograph. J-1 h
454. Electric Forging Company, Boston.
- a* Construction tools and apparatus. D-2 a
 - b* Application of metals in electrical construction. g
- For exhibit see page 826.
455. Electric M'f'g Co., Dayton, Ohio. Pulleys and wire holders. Z-1 a
456. Electric Pipe Bending Co., Harrison, N. J. Coil, pipe and round wire. O-2 a
457. Eureka Tempered Copper Company, North East, Pa. Tempered copper articles. U-14 g

DEPT. J.—ELECTRICITY AND ELECTRICAL APPLIANCES.

458. Falls Rivet & Machine Co., New York. Line shafting, clutches, etc. M-3 b
459. General Electric Company, New York and Boston. Patent exhibits. J-1 618
460. General Electric Company, New York and Boston.
a Apparatus for electrical construction and repair. C-1; H-2; M-4; O-3; PP. Dept. F; Intramural railway. Battle ship. a
b Water wheel coupled to dynamos. N-1 b
c Carbon and its application. B-4 d
d Metals for construction of electrical apparatus. O-3
e Direct coupled engine dynamos. C-1; J-1; O-3; PP. Dept. F. g
f PH. Intramural railway; Battle ship. j
461. Graton & Knight M'f'g Co., Worcester, Mass. Belting. A-4-5 b
462. Illinois Alloy Co., Chicago. Aluminum bushing; anti-friction metal. T-14-b g
463. Ingersoll-Sergeant Drill Company, New York. Air compressor. N-1 b
464. Jewett Supply Co., Boston. Automatic friction device for car bodies. Dept. G b
465. Lake Erie Engineering Works, Buffalo, N. Y. Engines applied to electric motors. O-3 & Intramural Ry. PP. b
466. Merrill Bros., Brooklyn, N. Y. Drop hammer and tremining press. D-2 a
467. Munson, Chas., Belting Company, Chicago. Dynamo belting. D-4 b
468. McIntosh, Saynour & Co., Auburn, N. Y. Engines driving dynamos. C-1 b
469. National Carbon Co., Cleveland, O. Carbon brushes. R-7-b d
470. Oehring, A. J., Chicago. Multiple drill press. A-4&5 a
471. Pelton Water Wheel Company, San Francisco, Cal. Water wheel. N-1 b
472. Pelton Water Wheel Co., San Francisco, Cal. Water wheel. B-1-2 b
473. Reliance Gauge Co., Cleveland, Ohio. Water gauges and floats. T-5 a
474. Standard Underground Cable Company, Pittsburg, Pa. Cable construction tools. L-5 a
475. Stevens, N. P., Concord, N. H. Splicing electric light carbons. T;14-a d
476. Walworth M'f'g Co., Boston. Railway and arc light poles. H-2 a
477. Webster Manufacturing Company, Chicago. Shafting pulleys and clutches. Dept. F b
478. Western Electric Company, Chicago.
a Electrical construction apparatus. A-4&5 a
b Carbon and its application. d
c Application of metals in electrical construction. g

American Electric Works, Providence, R. I.

For exhibit see page 654.

W. S. Edwards M'f'g Co., Chicago, Ill.

Electric light fixtures.
 For exhibit see page 480.

Knapp Electric Co., Chicago, Ill.
 Electrical supplies.

For exhibit see page 674.

AUSTRIA.

GROUP 122.

1. Goriup, Giuseppe, Goerz. Electrical apparatus.
2. Gruenwald & Sergle, Vienna. Electricians' supplies.

GROUP 123.

3. Kraetschmer Heinrich, Vienna. Turned goods for electro-technical purposes.

GROUP 128.

4. Handowsky, Steiner & Frank, Vienna. Automatic electric engraving machine. 776

GROUP 129.

5. Czerwinka & Co., Prague. Electric lamps.

6. Hardtmuth & Co., Vienna. Electrical coal tops. 778

GROUP 131.

7. Schulmeister, Ludwig, Vienna. Electro-galvanic apparatus.

GROUP 133.

8. Silas, Ferdinand, Vienna. Electrical signal clocks.

GROUP 136.

9. Danner Carl, Vienna. Control apparatus. 813

CANADA.

GROUP 125.

1. Brintnell, A. N., Montreal. Dynamo. 765

GROUP 126.

2. Owners' Lake Girard Mine, Ottawa, Ont. Mica edges. 770

GROUP 133.

3. Brintnell, A. N., Montreal. Fire alarm. 794

GROUP 134.

4. Ness, T. W., Montreal. Telephone switchboard and electrical supplies. 799
5. Rosebrugh, A. M., Toronto. Telephone circuits. 804

GROUP 138.

6. Reid, Chas. G. L., Victoria, B. C. The R. Davidson historical exhibit, drawings of models of electric motors, cars, electric locomotive, photographs and prints. P-6 819

FRANCE.

GROUP 122.

1. Carpentier, J., Paris. Thermo electric batteries. 758
2. Carre, E. E., Paris. Electrostatic machine. 757
3. Ducretet, E., et Lyeune, Paris. Apparatus for producing and using statical electricity. 757
4. Dumoulin Froment, et Doignon, Paris. Ship's compass. 759
5. Gaiffe, G. E., Paris.
 - a Instruments for producing and using statical electricity. 757
 - b Induction coils, terminals. 760
6. Maison Breguet, Paris.
 - a Statical electricity, whims burst machine. 757
 - b Magnets, marine compass. 759

GROUP 123.

7. Carpentier, J., Paris.
 - a Standard resistance coils and boxes; Wheatstone bridge. 761
 - b Standard condensers. 762
 - c Instruments of precision; galvanometers, etc. 764
 8. Ducretet, E., et Lyeune, Paris. Instruments of precision and apparatus devised for teaching. 764
 9. Dumoulin Froment, et Doignon, Paris. Instruments of precision. 764
 10. Maison Breguet, Paris. Measuring instruments. 764
 11. Richard, J., Paris. Instruments of precision. 764
- GROUP 124.
12. Direction Generals des Postes et des Telegraphs, Paris. Plante's secondary battery.

DEPT. J.—ELECTRICITY AND ELECTRICAL APPLIANCES.

13. Gaiffe, G. E., Paris. Graduated batteries. 777
 14. Leclanche et Cie, Paris. Leclanche batteries. 777
 15. Peyrusson, E., Limoges. Storage batteries. 777

GROUP 125.

16. Bourdeaux, L., Paris. Brushes for dynamo machines. 765
 17. Desroziers, E. L., Paris. Dynamo machines. 765
 18. Houry et Cie, Paris. Dynamos. 765
 19. Maison Breguet, Paris. Dynamo machines. 765
 20. Santter, Tlarle' et Cie, Paris. Dynamo machines, search lights and instruments. 765
 21. Societe Gramme, Paris. Gramme machines. 765

GROUP 126.

22. Aboilard, G., et Cie, Paris. Cables. 739
 23. Amizan, Paris. Artificial lines, system Amizan and De Branville. 771
 24. Cadot, P., Mareimes (Charente Inferieure). Registering meters. 769
 25. Carpentier, J., Paris. Rheostats, ammeters, voltmeters, etc. 769
 26. Desroziers, E. L., Paris. Electric meter. 769
 27. Direction Generale des Postes et des Telegraphes, Paris.
 a Insulators, joints, etc., for aerial telegraph. 769
 b Underground conduits. 771
 28. Gaiffe, G. E., Paris. Ammeters, voltmeters. 769
 29. Houry et Cie, Paris. Electric cables and insulated wires. 769
 30. Jacot, J. E., Paris. Pole equipped for the connection between underground and aerial lines. 771
 31. Maison Breguet, Paris. Ammeters and voltmeters. 769
 32. Milde, C., Paris. Lightning rods; model of building equipped with a system of lightning rods. 770
 33. Richard, J., Paris. Ammeters, voltmeters, registering meters. 769
 34. Societe du Cable Fortin Herrmann, Paris. Cables for telegraph and telephone. 769
 35. Societe Gramme, Paris. Regulators for continuous and alternating currents. 770
 36. Weiller, L., et Cie, Paris.
 a Cables, wires. 769
 b Objects for the construction of electric lines. 771

GROUP 128.

37. Bertrand, P. H., Paris. Electrical materials. 769
 38. Compagnie de towage de la Bosse Seine et de l'Vise, Paris. Towing vessel based on magnetic adherence. 776
 39. Delostal, P., Paris. Apparatus told "Electric match." 777
 40. Henneguain, L. A. A., Beauvais. Electric signaling system for collection of letter-boxes. 790
 41. Henneguain, L. A. A., Beauvais. Electric clocks. 777

42. Kratz Boussae, Paris. Electrical lighting instrument for medical purposes. 777
 43. Milde, C., Paris. Electric clocks. 777
 44. Ricaris, C. de, Paris. Tuning and physiological phonometers. 777
 45. Ricaris, C. de, Paris. Telephone instruments. 777

GROUP 129.

46. Barbier, F., et Cie, Paris. Lenses and apparatus for electric light houses. 778
 47. Maguaire, F. V., Paris. Arc lamp. 778
 48. Pulsford, Friguet et Cie, Paris. Incandescent lamps. 779
 49. Societe Gramme, Paris. Incandescent lamps. 779
 50. Societe toulousaine l'electricite, Toulouse. Electric light apparatus. 778

GROUP 131.

51. Bernard Freres, Paris. Electrolytically separated aluminum. 787
 52. Bertrand, P. H., Paris. Electro-deposition of magnetic oxide on iron. 786
 53. Christofle et Cie, Paris. Electric reproduction of old and precious metal works, from the originals in Versailles Le Louvre, etc. 786
 54. Direction Generale des Postes et des Telegraphes, Paris. Electric furnace of Mr. Moissan and its products. 787
 55. Ducretet, E. et Lyeune, Paris. Machinery for producing hydrogen gas by electrolysis of water. 787
 56. Lobitte, C., Paris. Electro-deposition of metals. 786

GROUP 132.

57. Piat, A., et ses fils, Paris. Electrical riveting machine. 789

GROUP 133.

58. Carpentier, J., Paris. Telegraph instruments. 790
 59. Direction Generale des Postes et des Telegraphes, Paris.
 a Telegraph instruments. 790
 b Fire alarm apparatus, petit system. 794
 60. Dumoulin Froment et Doignon.
 a Telegraph instruments. 790
 b Chronograph. 791
 61. Gras, J. J., Paris. Field instruments, sounders, etc. 790
 62. Mercadier, E., Paris. Mono-telephone and system of multiplex telegraph. 790
 63. Milde, C., Paris.
 a Thermostats. 793
 b Fire alarm apparatus. 794
 64. Munier, C. J. A., Paris. Electrical printing apparatus. 790
 65. Munier, C. J. A., Paris. Telegraphic systems. 790
 66. Milde, C., Paris. Telephone instruments. 777

GROUP 134.

67. Aboilard, G., et Cie, Paris.
 a Switch boards. 799
 b Signaling apparatus. 802

FRANCE.

68. Direction Generale des Postes et des Telegraphes, Paris.
a Telephone cables. 797
b Switch boards, transmitting and receiving apparatus. 799
69. Meradier, E., Paris. Bi-telephone. 801
70. Mercadier et Anizan, Paris. Microphone. 800
71. Milde, C., Paris.
a Telephone switch boards. 799
b Microphones. 800
c Receiving telephones. 801
d Signaling apparatus. 802
72. Ricaris, C. de, Paris. Telephones and signaling apparatus. 802
73. Societe du cable Fortin Herrmann, Paris. Telephone cables heads and joints. 797
- GROUP 135.**
75. Ducretet et Leyeune E., Paris. Electric musical apparatus. 809
76. Gaiffe, G. E., Paris. Electrical instruments for medical purposes. 809
77. Maison Brequet, Paris. Electrical apparatus. 809
- GROUP 136.**
78. Maison Brequet, Paris. Explosives for mines. 812
- GROUP 137.**
79. Baudry et Cie, Paris. Books on electricity. 817
80. Carre, G., Paris. "L' Electricien." International Review on Electricity. 817
81. Conservatoire National des Arts et Metiers, Paris. Objects illustrating the development of electric telegraphy. 816
82. Direction Generale des Postes et des Telegraphes, Paris. Objects and books illustrating the development of electric science. 817
83. E. Ducretet et Leyeune, Paris. Instruments illustrating scientific discoveries and teaching electricity. 845
84. Laboratoire Central l'electricite', Paris. Transformer. 816
85. Societe Gramme, Paris. First dynamo machines constructed by M. Gramme. 816
86. Tignol, Bernard, Paris. Books on electricity. 817
- GROUP 138.**
87. Carre, E. E., Paris. Carbons, batteries, microphones, motors, collectors, etc. d
88. Conservatoire National des Arts et Metiers, Paris. Models of historical telegraph instruments. 819
89. Direction Generale des Postes et des Telegraphes, Paris. Objects of historical interest in general electricity. 819
90. Gras, J. J., Paris. Tools for the construction of telegraph poles. a
91. Hillairet, Paris. Illustrating the transmission of energy at Domene (Isere). 819
92. Laboratoire central l'electricite', Paris. Photographs of the laboratory. 819
93. Letrange et Cie, L., Paris. Electrolytic zinc. a
94. Rosemann, A., Paris. Electrical apparatus for metal engraving. c

GERMANY.

GROUP 123.

1. Allgemeine Elektrizitats Gesellschaft, Berlin. Surveying instruments and electric watches. 764
2. Aron, Prof., Berlin. Electrometers. 764
3. Berg, Emanuel, & Co., Berlin. Electric logs. 764
4. Hartmann & Braun, Bockenheim, Frankfort, a-M. Electrical surveying instruments. 764
5. Lessing, Dr. Albert, Nuremberg. Galvanic batteries. 763
6. Pollak, Charles, Frankfort a-M. Accumulators. 762
7. Physikalisch-Technische, Reichsanstalt, Charlottenburg. Scientific apparatus. 764
8. Siemens & Halske, Berlin. Surveying instruments. 764
9. Weuste, Ch., Luisburg. Electric water-level indicator. 764

GROUP 125.

10. Allgemeine Elektrizitatsgesellschaft, Berlin. Dynamo machine and electrometers. 765
11. Siemens & Halske, Berlin. Central station dynamo with steam engine. 767

GROUP 126.

12. Berg, Emanuel, & Co., Berlin. Safety instruments. 770
13. Felten & Guillaume, Muhlhausen a-Rh. Cables and transmitting material. 769
14. Harrach, George, Munich. Lightning rods. 770
15. Helberger, H., Munich. Cable reckoning apparatus. 769
16. Schomburg, H., & Sons, Berlin. Insulators and insulating material. 770
17. Zwarg, Julius Otto, Freiberg, Saxony. Model of lightning rod. 770

GROUP 127.

18. Nagl, Gebr., Berlin. Electric motors.
19. Pokomy & Wittekind, Frankfort a-M. Electric motors. 773
20. Siemens & Halske, Berlin. Electric motors.

GROUP 128.

21. Allgemeine Elektrizitats Gesellschaft, Berlin. Street cars. 775
22. Siemens & Halske, Berlin. Electric street railway. 775

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26. Daimler, Motoren Gesellschaft, Cannstatt. Illuminating wagons. 779
27. Körting & Matthiesen, Lipzig. Arc lights. 778
28. Pollak, Charles, Frankfort a-M. Mining lamps. 779
29. Schuckert & Co., Nuremberg. Search lights. 778
30. Seifert, K. M., Dresden. Illuminating fixtures. Dept. H 779
31. Siemens & Halske, Berlin. Arc lamps. 778

GROUP 133.

32. Reichspost-Amt, Berlin. Telegraph apparatus.
33. Seitz & Linhardt, Aschaffenburg. Telegraphic apparatus.
34. Siemens & Halske, Berlin. Signal apparatus. 796

GROUP 134.

35. Berliner, J., Hanover. Telephone apparatus.
36. Reichspost-Amt, Berlin. Telephone apparatus.
37. Stocker & Co., Liepzig-Plagwitz. Telephone apparatus.

GROUP 138.

38. Pollak, Charles, Frankfort a-M. Railroad models. 819
39. Von Miller, Oscar, Munich. Plans and description of electric central stations. Dept. G 819

GROUP 138 A.

40. Lubszynski, Sigismund, Berlin. Electric engraving apparatus. c
41. Miner, Wilhelm, Arnstatt, Thuringia. Carbon for Leclanche elements. d
42. Nurnberger Beleuchtungskohlenfabrik, Doos, near Nuremberg. Carbon pencils for illumination. d
43. Schichau, F., Elbing. Steam engine connected with dynamo. b
44. Schmelger, Ch., Nuremberg. Illuminating carbon. d
45. Siemens Bros. & Co. Carbon pencils for illumination. d

GREAT BRITAIN.

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GROUP 124.

2. Epstein Electric Accumulator Company, London. Electric accumulators.

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- b* Phonographs. 806

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- c* Transmitting apparatus. 800

- d* Receiving apparatus. 801

- e* Signaling apparatus. 802

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ITALY.

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1. Carli-Conti, Dr. Giuseppe, Castelnuovo Garfagnana. Electrical pile.

2. Richard Ceramic Society, Milan. Insulators. 770

GROUP 131.

3. Turati, Vittorio, Milan. Electrotyping. 784

NORWAY.

GROUP 134.

1. Aktiebolaget Hermes, Christiania. Telephonograph. Dept. H 807

GROUP 136.

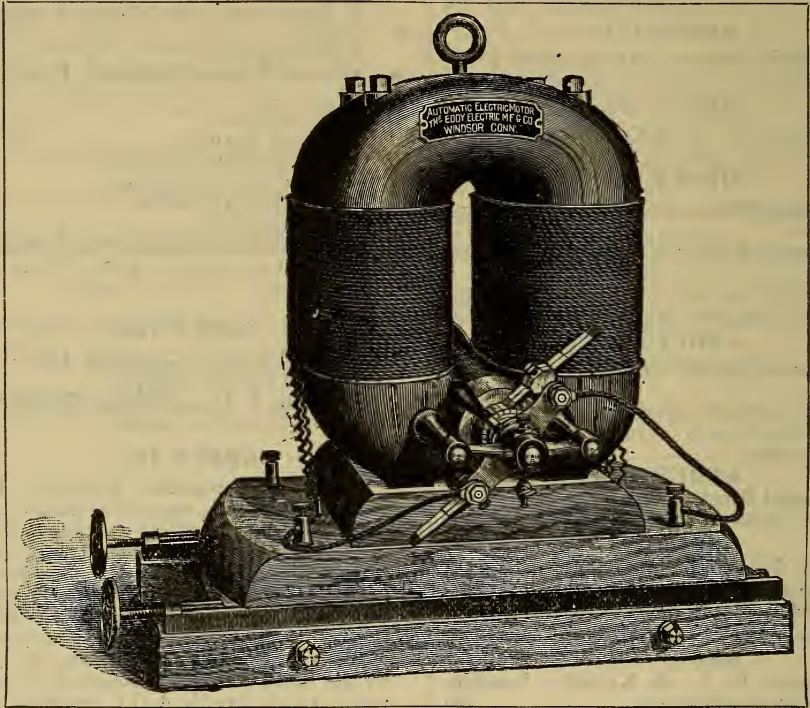
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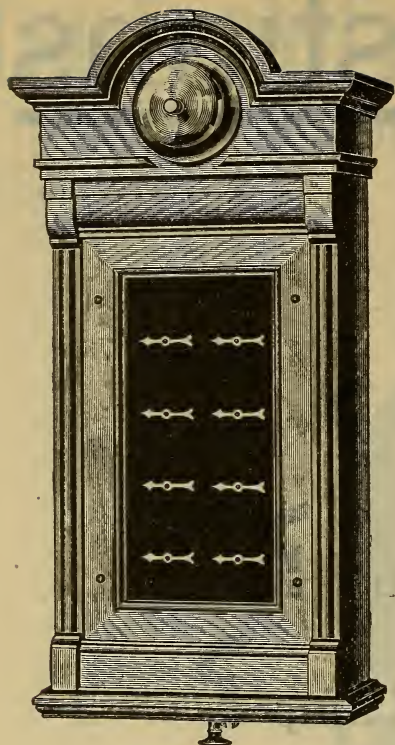
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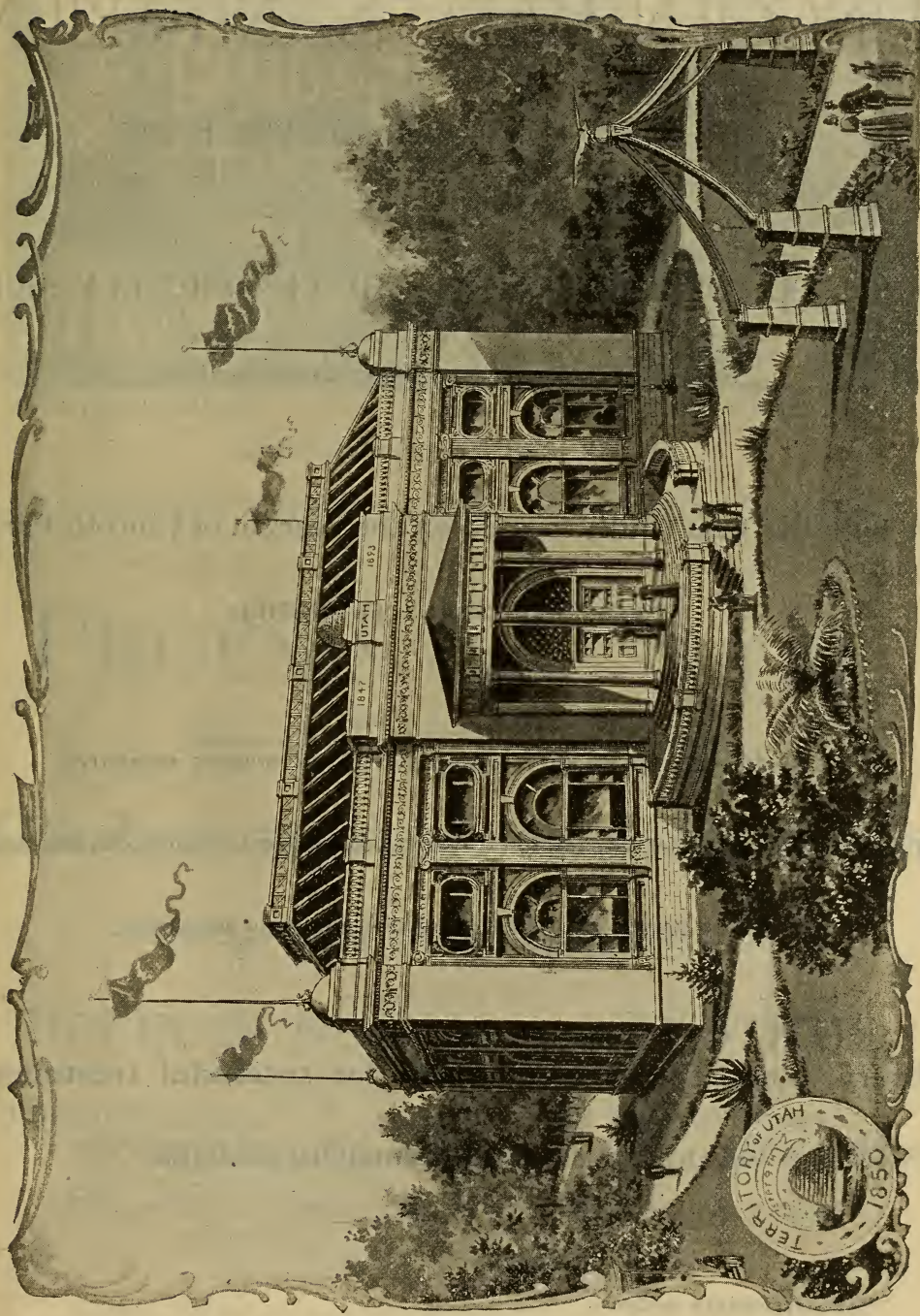
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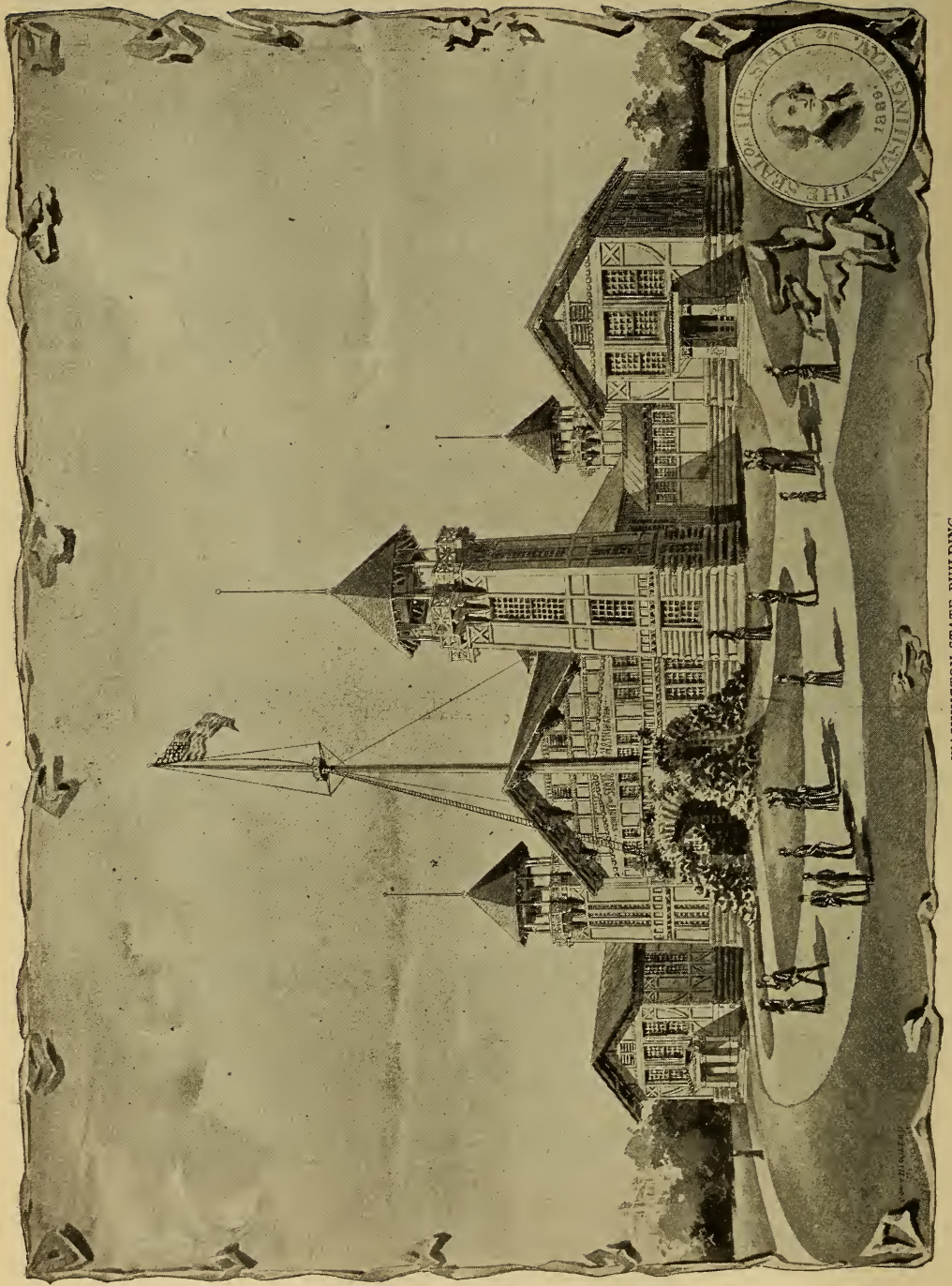
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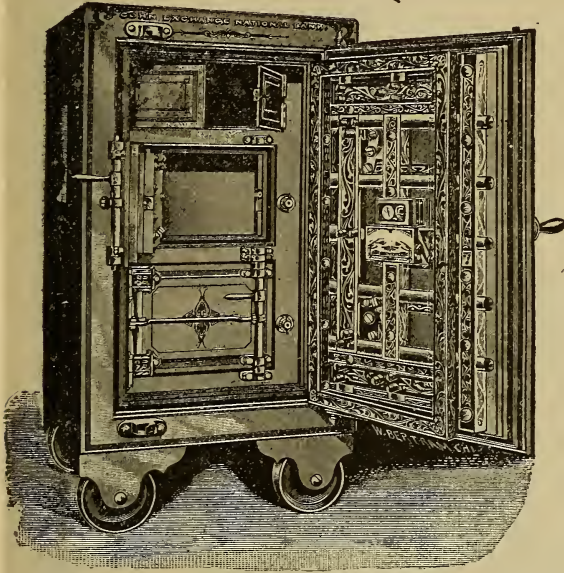
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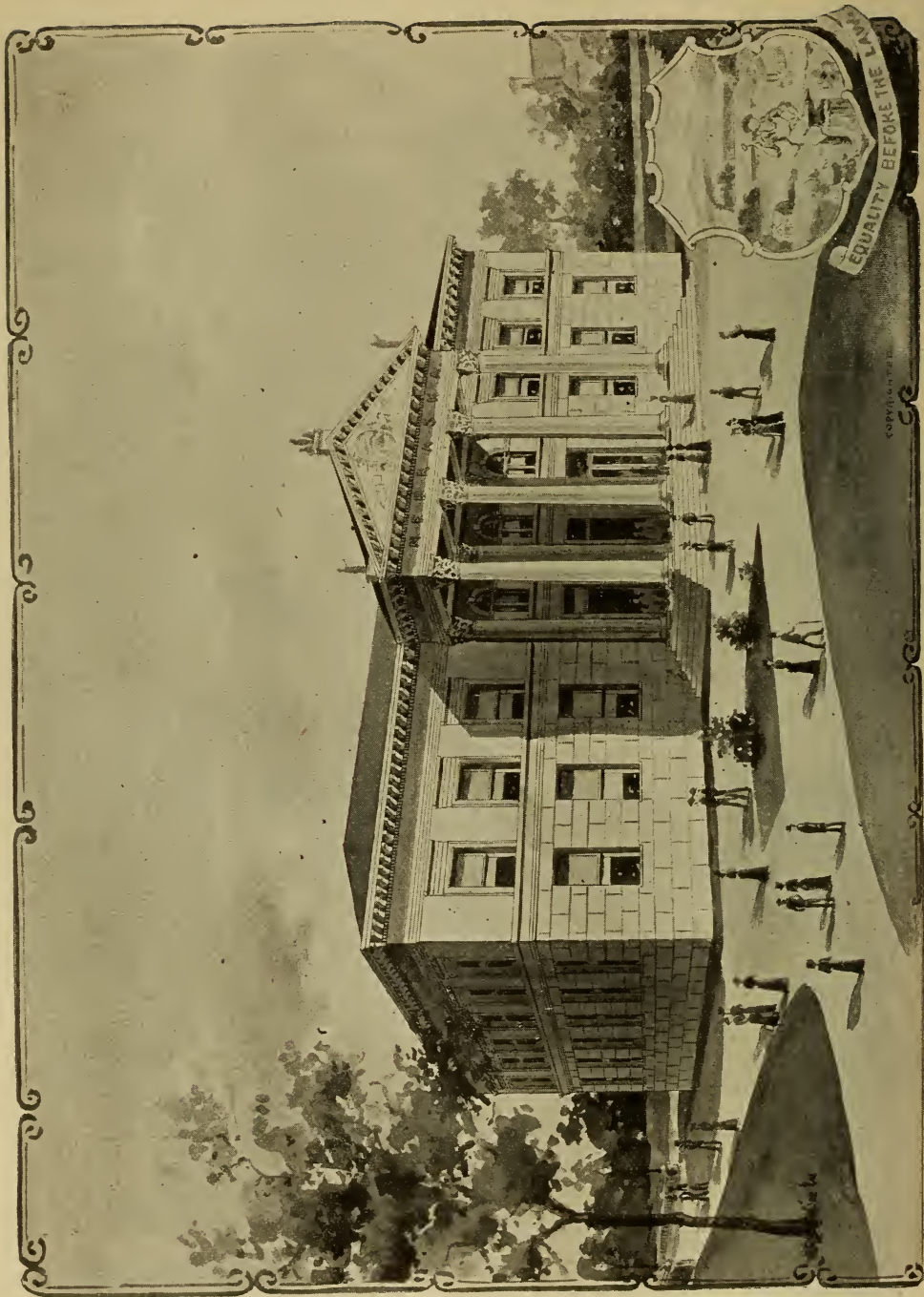
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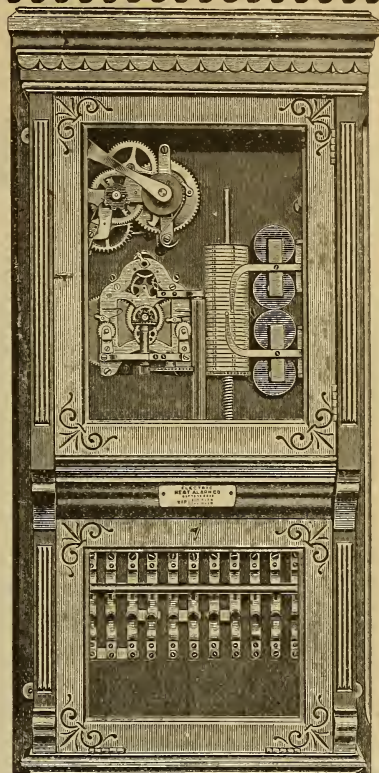
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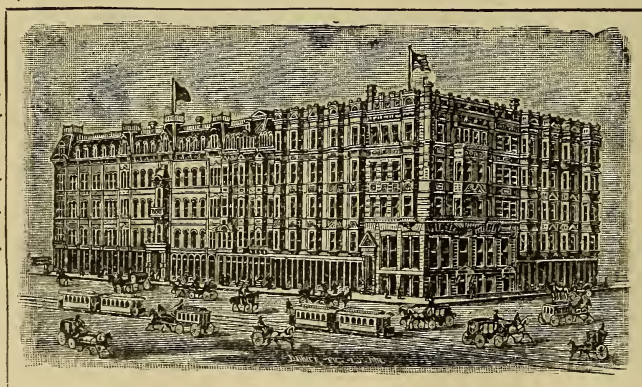
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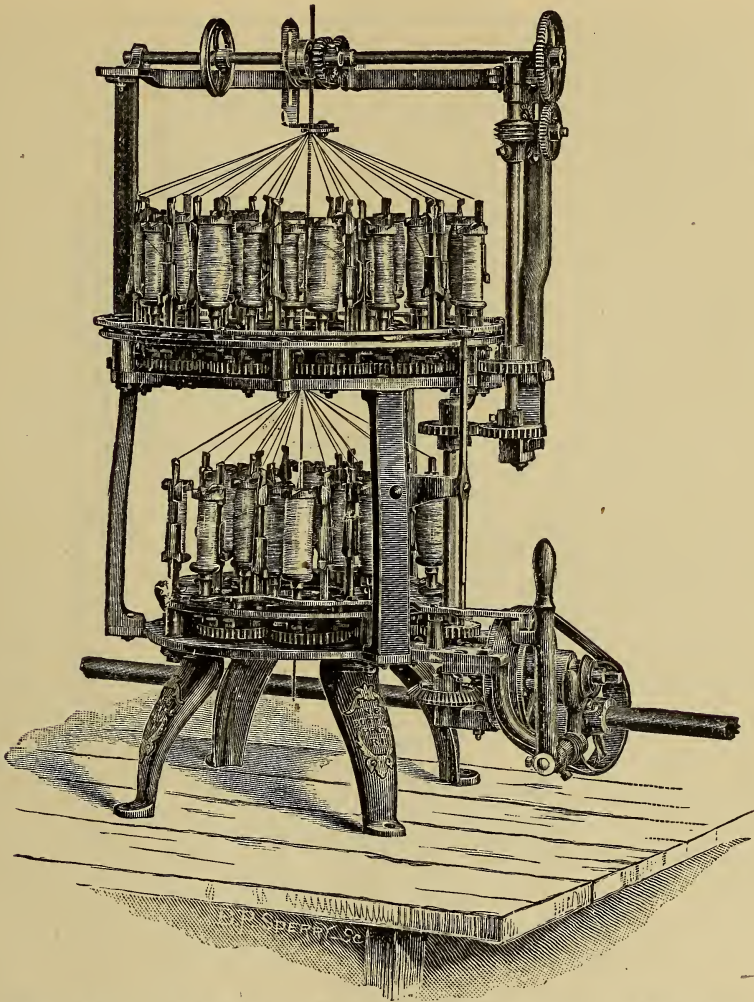
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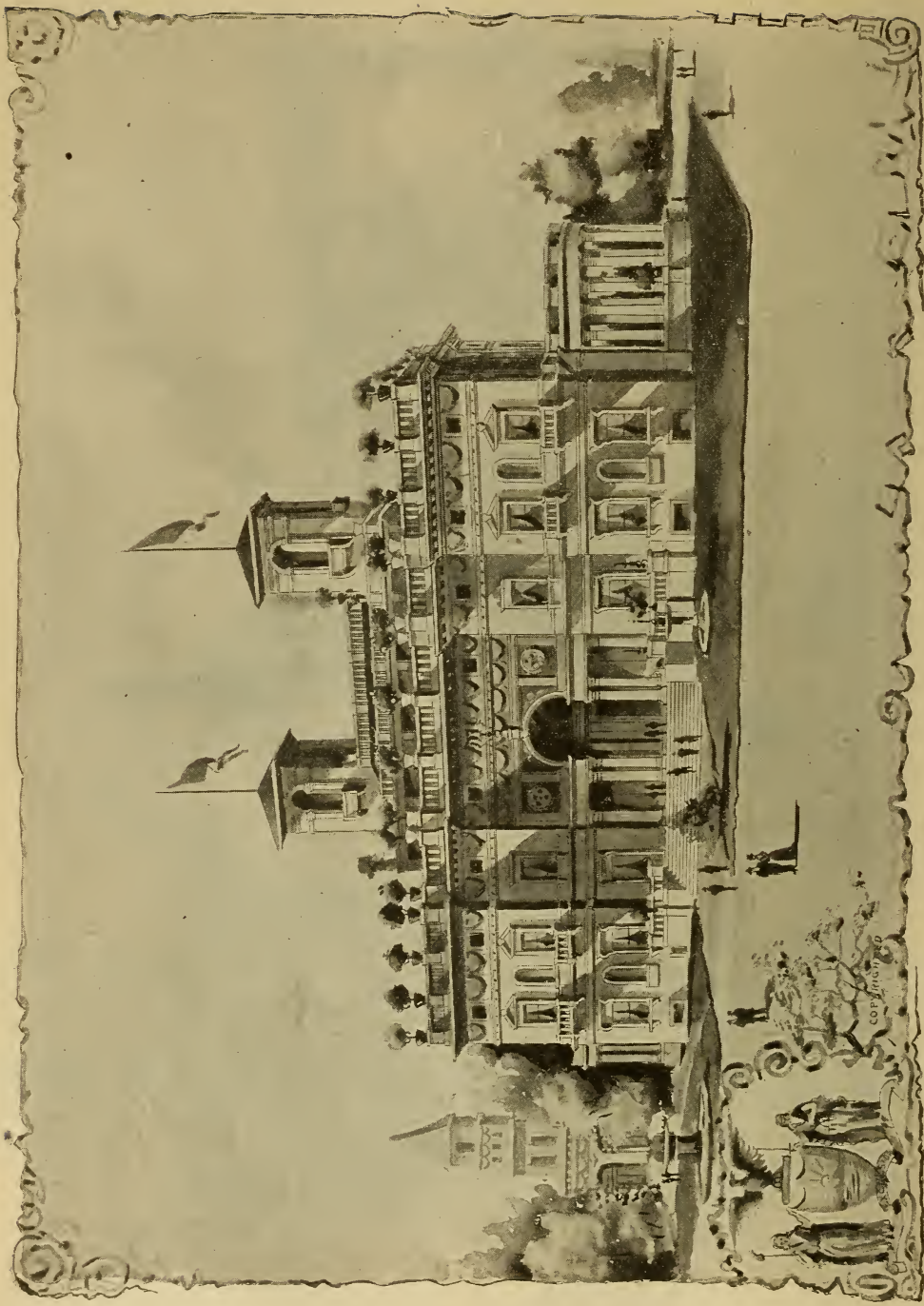
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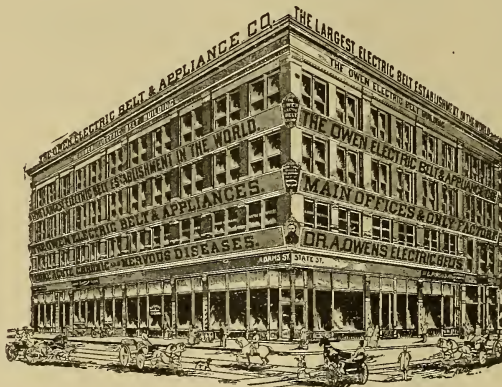
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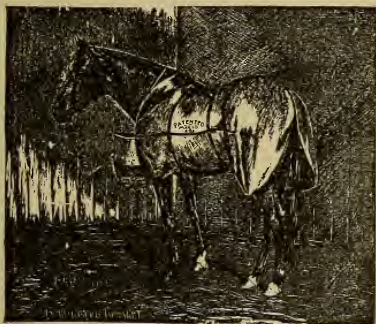
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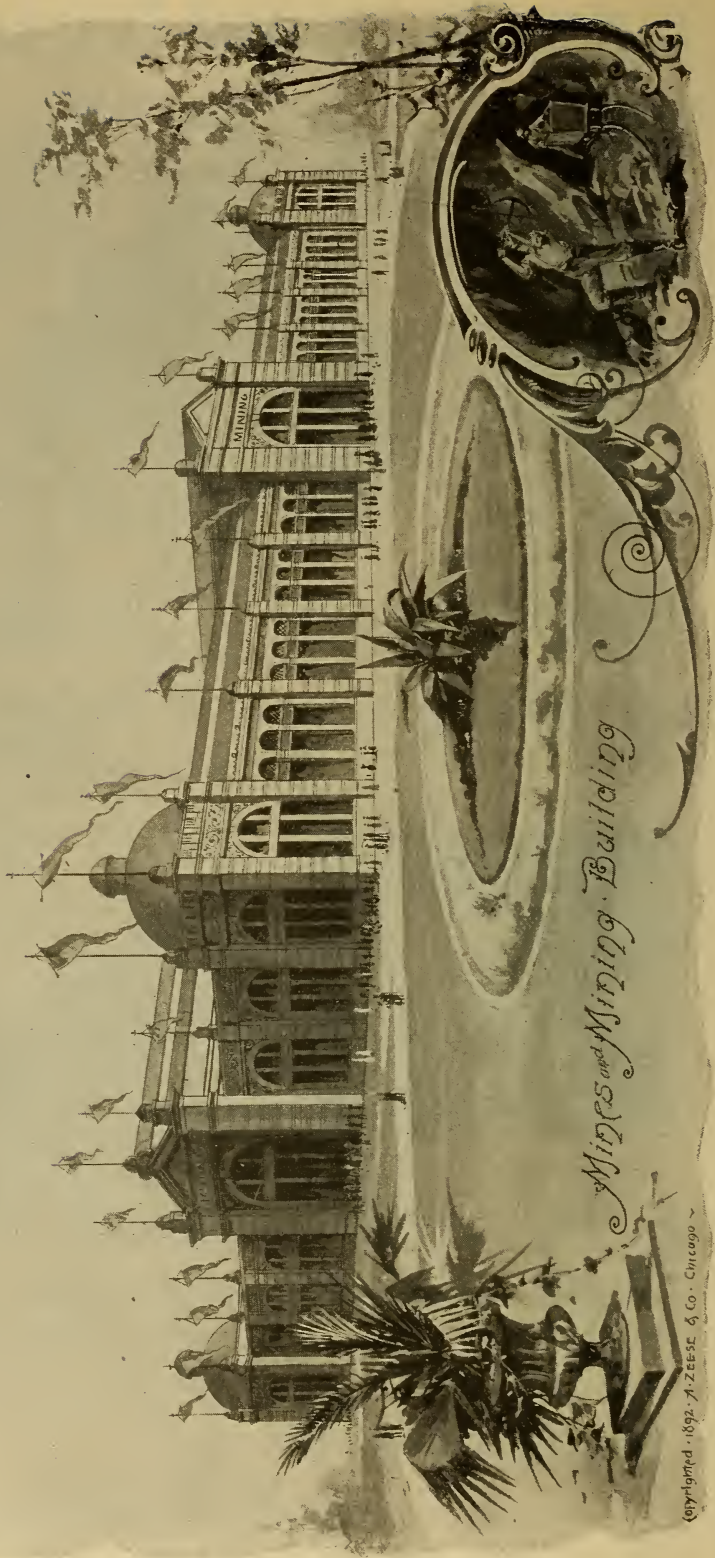
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F. J. V. SKIFF, CHIEF.

massed at the prominent points of the furnace. Its architecture, of early Italian renaissance, with a slight touch of French spirit, together with the enormous and floating banners, invests the building with the animation that should characterize a great general Exposition. The interior design is of no less interest than the exterior. The roof rests upon ten great cantilever trusses so that the floor is practically unencumbered, there being only two rows of iron columns on either side. This is the first instance of the application of the cantilever system to building and the result is a structure signally adapted to exhibition purposes, the gain in space being quite large. The gallery 60 feet wide and 25 feet above the main floor extends entirely around the building and is well lighted by clearstory windows above. The repeated series of large arched windows along the walls and the extensive glass roof covering furnish abundance of light. The cost of the building was \$250,000. It was commenced in July, 1891, and was the first building to be finished. In its construction were employed 592,000 pounds of iron, 282 carloads of lumber and three carloads of nails, while the glass in the skylight covers one and a half acres. The exhibits seen within the walls of this great building are as varied as they are attractive and interesting. Here are

presented all the precious minerals and gems, all the economic mineral and materials, all the metals as crude, as well as in the manufactured state, and all the machinery, implements and appliances—in fact everything pertaining to the arts and sciences directly or indirectly involved in the mining and metallurgical industries. Of the official classification, twenty-seven groups and one hundred and twenty-seven classes (or eighty-eight more than at the Centennial) are required to cover the exhibits that are shown on the floor of this building. The exhibit space has been laid off in regular sections so that the visitor can readily understand and follow out the installation. The wide central avenue running the length of the building, and named "Bullion Boulevard," divides the foreign exhibits on the west from the domestic exhibits to the east. The boulevard is one of the most attractive and entertaining promenades on the grounds and furnishes a scene of striking beauty. The States and foreign countries have here invested a large portion of their wealth of rare and representative mineral products and built enclosing pavilions and pagodas of symmetrical design and graceful proportions. The leading powers of Europe are on the west side of this aisle—France, Germany, Great Britain and her colonies. Mexico and Brazil have large areas at the south end, as well as Cape Colony, whose exhibit of diamond washing, sorting and polishing is here a center of attraction as it was at the last Paris Exposition. Beyond these countries, Austria, Spain, Italy, Japan, Russia, and the South and Central American countries, have spread out their mineral treasures. Upon the east side of this boulevard front artistic façades of classic columns, capitals and pediments, arched entrances and colonnades forming the structures erected by the States of this country. The north section is occupied with abundant exhibits of coal, iron, clays, building and ornamental stones, mined in the vast mineral belts of the Alleghenies and the Central Basin. In the south section predominate quartzose ores, the gold, silver and precious minerals, produced by the treasure States of the West. Many features of unusual interest are found within the courts of these States, such for instance as the geological obelisk illustrating the geology of New York, the silver statue revealing the wonderful richness of Montana, the quarter of a million dollar collection of gold nuggets from Colorado, the precious gems of North Carolina. All these, as well as other mineral products to be found within these structures, enable the visitor to gain a comprehensive conception of the boundless mineral resources of the United States. Including some three or four displays in the gallery, thirty-two States in all are in this way represented on the floor of the Mining Building. Beneath the gallery are in operation machines of every description used in and out of mines—all of the methods and appliances for sinking shafting and driving levels; pumps and engines for driving and hoisting; trams and cars for loading and unloading; huge crushers for pulverizing rock of adamant; ingenious apparatus for quarrying stone and for turning and polishing into marketable shapes; roasting and chloridizing furnaces; apparatus for refining precious metals, etc. A complete working plant in miniature, illustrating the methods of placer and hydraulic mining is also shown. The outside exhibit of well drilling machinery connected with this department is located south of Machinery Hall. Here are all rarities of apparatus employed in drilling for water, gas and oil. The tram-way connecting the outside ore-yard with the building carries material for demonstrating purposes to the mouth of the tunnel which runs across the south end of the building. Mine cars are run through the tunnel to carry the raw material at such times and to such places as it may be required. This tunnel is open to the inspection of visitors. The gallery is occupied with displays of a lighter and more technical character. At the north end one of the leading oil companies of the United States has an exhibit presenting the entire story of oil production, manufacture and distribution. Near by have been arranged a series of courts in which are grouped, according to affinity, all of the industrial and economic mineral material, such as graphites, clays, asbestos, limestones, cement, salts, sulphurs, pigments, mineral waters,

abrasives, etc. A national display of building stones in cubes of uniform size is situated at the center of the west gallery and in connection herewith are seen very interesting enlarged microscopic slides of rock sections, etc. Next to this is a departmental coal display, consisting of samples of coal from all of the principal coal mines of the country, in uniform size, upon aluminum mounts, and arranged around a large plate glass map, showing the geographic and topographic position of the contributing mines. An extensive coke plant is near by reproduced in miniature. An operating assay laboratory is open to the inspection of visitors in the room at the southeast corner, and a library and reading room of books and periodicals on mining and metallurgy is accessible to all in the room at the southwest corner. Here also the associated societies of Mining and Civil Engineers are located. Models of famous mines or special mine workings, are exhibited in the northeast corner. Almost the entire west gallery is occupied by departmental collections in metallurgy and mineralogy. These collections are displayed in cases and cabinets of uniform size and illustrate valuable and scientific mineral series, while a sequential exhibit of metal reduction samples exemplifies the processes employed in the metallurgic arts. A long row of ground glass transparencies hang before the windows and show pictorially the primitive appliances and methods used by the ancients both in mining and metallurgy. The offices of the chief and his assistants are located in the upper northwest corner of the building.

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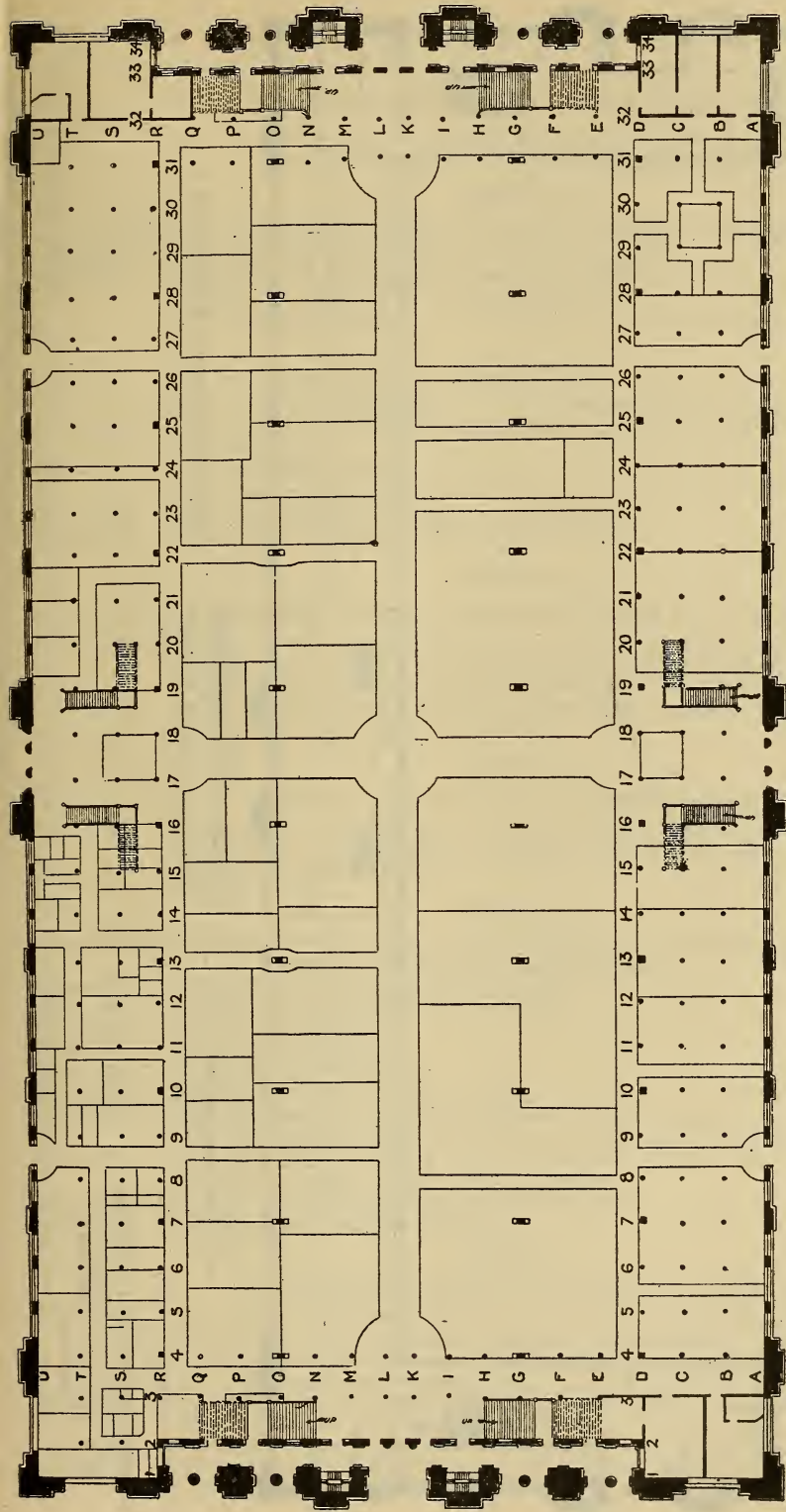
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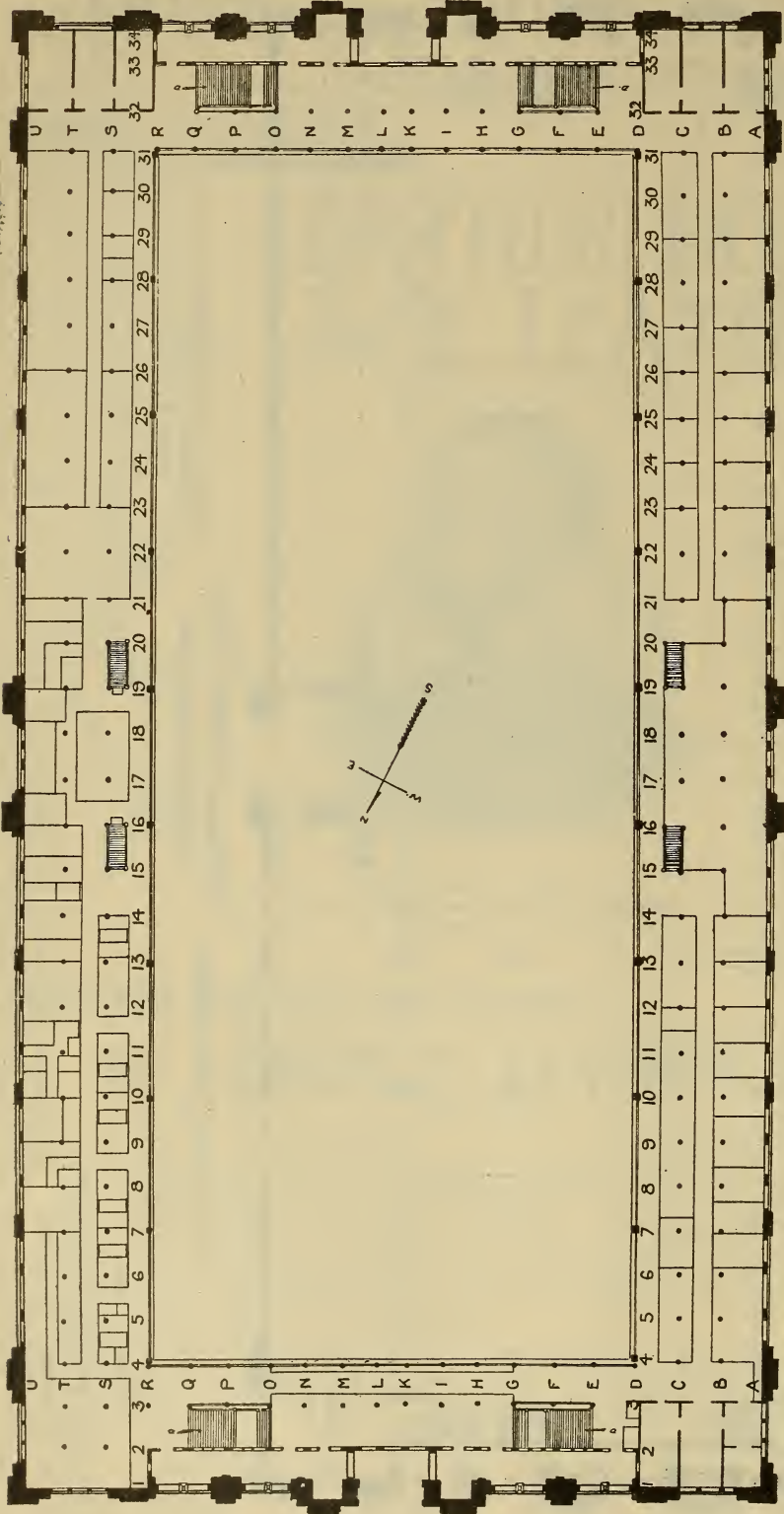


—OFFICIAL ALLOTMENT OF SPACE—
 —MINES AND MINING BLDG.—
 —WORLD'S COLUMBIAN EXPOSITION —
 —GROUND FLOOR PLAN —
 — KEY TO INSTALLATION.

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, 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 the gallery are indicated by the letter and a number, and exhibits in

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--- OFFICIAL ALLOTMENT OF SPACE --- MINES AND MINING BLDG. ---
 --- TO --- GALLERY FLOOR PLAN --- WORLD'S COLUMBIAN EXPOSITION ---

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CLASSIFICATION.

MINES AND MINING DEPARTMENT (E).

MINES, MINING AND METALLURGY.

GROUP 42.

MINERALS, ORES, NATIVE METALS, GEMS AND CRYSTALS. GEOLOGICAL SPECIMENS.

- Class 290. Collections of minerals systematically arranged.
- Class 291. Collections of ores and the associated minerals. Diamonds and gems, rough uncut and unmounted. Crystallography.
Specimens illustrating the formations of the earth, systematically arranged.

GROUP 43.

MINERAL COMBUSTIBLES—COAL, COKE, PETROLEUM, NATURAL GAS, ETC.

- Class 292. Coal—anthracite, semi-bituminous and bituminous; coal waste, "slack," coke and pressed coal.
- Class 293. Asphaltite and asphaltic compounds—Uintaite, wortzilite, grahamite, albertite, bitumen, mineral tar, amber.
- Class 294. Petroleum—Illuminating and lubricating oil.
- Class 295. Natural gas—Methods of conveying and using.

GROUP 44.

BUILDING STONES, MARBLES, ORNAMENTAL STONES AND QUARRY PRODUCTS.

- Class 296. Building stones, granites, slates, etc., rough-hewn, sawed or polished—For buildings, bridges, walls or other constructions, or for interior decoration, or for furniture.
Marble, white, black or colored. Stalagmitic marbles, onyx, freiciated marbles, silicified wood, agates, jaspers, porphyries, etc., used in building, decoration, statuary, monuments, vases or furniture.

GROUP 45.

GRINDING, ABRADING AND POLISHING SUBSTANCES.

- Class 297. Grindstones, hones, whetstones, grinding and polishing materials, sand, quartz, garnet, crude topaz, diamond, corundum, emery in the rock and pulverized, and in assorted sizes and grades.

GROUP 46.

GRAPHITE AND ITS PRODUCTS; CLAYS AND OTHER FICTILE MATERIALS AND THEIR DIRECT PRODUCTS; ASBESTOS, ETC.

- Class 298. Crude graphite, in blocks and in powder.
- Class 299. Graphite and compounds for coating iron.
- Class 300. Graphite lubricants.
- Class 301. Electrotypers' graphite.
- Class 302. For pencils, crayons, etc.
- Class 303. Graphite crucibles and melting-pots.
- Class 304. Clays, kaolin, silix and other materials for the manufacture of porcelain faience, and of glass, bricks, terra cotta, tiles and fire brick; various examples.
- Class 305. Refractory stones for lining furnaces, sandstone, steatite, etc., and refractory furnace materials. Mica; kidney, sheet or ground.
- Class 306. Bauxite clay for the manufacture of aluminum.
- Class 307. Asbestos, crude and manufactured.
- Class 308. Meerscham.

GROUP 47.

LIMESTONE, CEMENTS, AND ARTIFICIAL STONE.

- Class 309. Lime, cement and hydraulic cement, raw and burned, accompanied by specimens of the crude rock or material used; also artificial stone, concrete, beton.
Specimens of lime mortar and mixtures, with illustrations of the processes of mixing, etc. Hydraulic and other cements.
- Class 310. Beton mixtures and results, with illustrations of the processes.
- Class 311. Artificial stone for building purposes, building blocks, cornices, etc. Artificial stone mixtures for pavements, walls, or ceilings.
- Class 312. Asphaltic mastics and mixtures, asphaltic sand, asphaltic limestone.
- Class 313. Gypsum, crude and boiled, calcareous; plasters, mastics, etc.

GROUP 48.

SALTS, SULPHUR, FERTILIZERS, PIGMENTS, MINERAL WATERS, AND MISCELLANEOUS USEFUL MINERALS AND COMPOUNDS.

- Class 314. Salt from beds or from brines.
- Class 315. Nitre and other nitrates.
- Class 316. Sulphates, alums, and other salts.
- Class 317. Sulphur and pyrites for the manufacture of sulphuric acid.
- Class 318. Boracic acid and other salts; borax.
- Class 319. Pigments, iron oxides, ochres, vermilion, etc.
- Class 320. Mineral fertilizing substances, gypsum, phosphate of lime, marls, shells, coprolites, etc., not manufactured. (For commercial fertilizers and compounds, see Group 17.)
- Class 321. Mineral waters, artesian well water (for commercial forms, as bottled and as beverages, see Group 10); natural brines, saline and alkaline efflorescences and solutions.

GROUP 49.

METALLURGY OF IRON AND STEEL, WITH THE PRODUCTS.

- Class 322. Ore mixtures, fluxes, and fuels.
- Class 323. Blast furnaces—stacks, stoves, blowing apparatus and arrangement.
- Class 324. Pig-iron, cast-iron, and mixtures.
- Class 325. Cupola furnaces.
- Class 326. Direct processes—Sponge and blooming plant and apparatus.
- Class 327. Puddling—Furnaces and appliances.
- Class 328. Bessemer machinery—Details and arrangements.
- Class 329. Basic process and apparatus.
- Class 330. Open-hearth steel—Plants and apparatus.
- Class 331. Crucible steel—Plant and apparatus.
- Class 332. Nickel steel.
- Class 333. Manganese iron and steel, chrome steel, aluminum steel, tungsten steel, other forms of steel.
- Class 334. Iron and steel. Bars, rods, sheets, wire.

GROUP 50.

ALUMINUM AND ITS ALLOYS.

- Class 335. Aluminum, pure and commercial; ingots, castings, bars, rods, wire, sheets, and partly manufactured.
- Class 336. Aluminum alloys.
- Class 337. Aluminum alloy wire and wire cloth.
- Class 338. Process for the extraction of aluminum; electric reduction and results.

GROUP 51.

COPPER AND ITS ALLOYS. METALLURGY.

- Class 339. Native copper, and the methods of extracting, melting and refining it.
- Class 340. Copper ores and their treatment by fire. Copper smelting. Pneumatic process. Converter system.
- Class 341. Copper extraction in the "wet" way.
- Class 342. Copper in ingots, bars, and rolled, with specimens illustrating its various stages of production. Copper and zinc. Brass industry, and products regarded as materials of manufacture.
- Class 343. Copper and aluminum, aluminum bronze.

GROUP 52.

METALLURGY OF TIN, TIN-PLATE, ETC.

- Class 344. Tin ores and their treatment.
- Class 345. Block tin, and its extraction from tin ore.
- Class 346. Tin-plate, and methods of cleaning and coating iron and steel plates.

GROUP 53.

METALLURGY OF ZINC, NICKEL AND COBALT.

- Class 347. Production of spelter.
- Class 348. Sheet and bar zinc.
- Class 349. Production of zinc oxide.
- Class 350. Nickel in ingots, bars, rods, sheets and wire.

- Class 351. Nickel-covered steel and iron by rolling.
- Class 352. Nickel "plating."
- Class 353. Nickel salts.
- Class 354. Special nickel alloys, as German silver, etc.
- Class 355. Nickel steel. (See Class 332.)

GROUP 54.**METALLURGY OF ANTIMONY AND OTHER METALS NOT SPECIFICALLY CLASSED.**

- Class 356. Crude and star antimony.
- Class 357. Antimony compounds and principal alloys.
- Class 358. Arsenic, white arsenic, orpiment and realgar.
- Class 359. Bismuth and alloys. Quicksilver and amalgams.

GROUP 55.**EXTRACTION OF GOLD AND SILVER BY MILLING.**

- Class 360. Gold mills and accessories.
- Class 361. Silver mills and accessories.
- Class 362. Apparatus and accessories of amalgamation; handling quicksilver.
- Class 363. Retorting, melting, stamping, shipping bullion.

GROUP 56.**EXTRACTION OF GOLD AND SILVER BY LIXIVIATION.**

- Class 364. Roasting and chloridizing furnaces.
- Class 365. Chlorination process and adjuncts.
- Class 366. Other processes.

GROUP 57.**EXTRACTION OF GOLD, SILVER, AND LEAD BY FIRE.**

- Class 367. Furnace plant and appliances.
- Class 368. Lead bullion molds and bars.
- Class 369. Refining operations.

GROUP 58.**QUARRYING AND WORKING STONE.**

- Class 370. Quarrying, channeling, and cutting engines.
- Class 371. Derricks and fittings.
- Class 372. Slate-cutting, sawing and planing machines.
- Class 373. Machines and apparatus for cutting, turning, and polishing marble, granite and other stone. (See Group 78.)

GROUP 59.**PLACER, HYDRAULIC, AND "DRIFT" MINING.**

- Class 374. Apparatus and machines for washing gravel; sluices, cradles, toms, rockers, rifles, etc.
- Class 375. Construction of ditches, flumes, pen stocks, etc.
- Class 376. Pipes for conveying water.
- Class 377. "Giants," nozzles, and appurtenances.

GROUP 60.**TOOLS AND APPLIANCES OF UNDERGROUND MINING, TIMBERING AND SUPPORTING.**

- Class 378. Timber cutting and framing machines.
- Class 379. Methods of timbering shown by examples.
- Class 380. Underground chutes, gates, and appliances for delivering ores. Methods and appliances for ventilating, lighting and signaling.

GROUP 61.**BORING AND DRILLING TOOLS AND MACHINERY, AND APPARATUS FOR BREAKING OUT ORE AND COAL.**

- Class 381. Picks, gads, and hammers.
- Class 382. Hand-drills, hammers, and blasting implements.

- Class 383. Drilling by steam or compressed air,—“power drills.”
 Class 384. Diamond drills for prospecting or for sinking and driving.
 Class 385. Well and shaft boring (various systems).
 Class 386. Boring for water, oil or gas—tools and methods.
 Class 387. Machines, apparatus and implements for cutting coal.

GROUP 62.

PUMPS, ENGINES AND APPARATUS USED IN MINING FOR PUMPING, DRAINING AND HOISTING.

GROUP 63.

MOVING, STORING AND DELIVERING ORES, COALS, ETC.

- Class 388. Tramways, turn-tables, automatic hoisting and conveying on the surface, contrivances for loading and unloading ores and coal.
 Class 389. Cars of all kinds.
 Class 390. Automatic dumping.
 Class 391. Ore bins and appliances.

GROUP 64.

APPARATUS FOR CRUSHING AND PULVERIZING.

- Class 392. Rock breakers.
 Class 393. Rolls.
 Class 394. Large stamps.
 Class 395. Stamps and mortars.
 Class 396. Revolving grinding mills.
 Class 397. Coal breakers.

GROUP 65.

SIZING APPLIANCES.

- Class 398. Grizzlies and bar screens and sieves.
 Class 399. Perforated plates.
 Class 400. Wire-mesh sieves and trammels.
 Class 401. Sizing by currents of water or air. Overflows.
 Class 402. Sizing by belts.

GROUP 66.

ASSAYING APPARATUS AND FIXTURES.

- Class 403. Plans of assay offices.
 Class 404. Furnaces, muffles and appliances.
 Class 405. Scorification and cupelling.
 Class 406. Volumetric methods and apparatus.
 Class 407. Fluxes and their receptacles.
 Class 408. Assay balances, etc. (See Group 112.)
 Class 409. Assay tables, assay schemes and methods.

GROUP 67.

HISTORY AND LITERATURE OF MINING AND METALLURGY.

- Class 410. Maps, relief-models and pictures to illustrate the geology and distribution of minerals and mines and the methods of working mines.
 Class 411. History and statistics of mines and mining districts.
 Charts, diagrams and tabular representations. Statistics of mineral production.
 Class 412. Mine engineering—surface and underground surveying and plotting, projection of underground work, location of shafts, tunnels, etc.; surveys for aqueducts and for drainage.
 Boring and drilling rocks, shafts and tunnels, etc.; surveys for aqueducts and for ascertaining the nature and extent of mineral deposits.
 Construction—sinking and lining shafts by various methods, driving and timbering tunnels, and the general operations of opening, stoping and breaking down ore; timbering, lagging and masonry.
 Hoisting and delivering at the surface, rock, ore or miners; pumping and draining by engines, buckets or by adits.
 Ventilating and lighting.

GROUP 68.

ORIGINALS OR REPRODUCTIONS OF EARLY AND NOTABLE IMPLEMENTS AND APPARATUS USED IN MINING AND METALLURGY.

Department E.--Mines, Mining and Metallurgy.

UNITED STATES.

GROUP 42.

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4. Egleston, Prof., New York. Minerals and material used in mines. C-25-g 291
5. English, George L., & Co., New York.
 - a Mineral specimens. H-22-g 290
 - b Gems and precious stones. 291
6. Foote, A. E., Philadelphia. Minerals. 291
7. Galitzki, L., Chicago. Gold and silver ores. C-11-g 291
9. Grandelmyer Joseph, Hamilton, Nev. Collection of minerals. N. W. Gal. 290
10. Hatch, John, San Francisco. California minerals. 291
11. Kunz, Geo. F., New York. Mineral collections. B-7 290
12. New York, State of. Mineral specimens. B-9-g 290
13. Orton, Prof., Columbus, O. Minerals and fossils from Ohio University. B-8-g 290
14. Ulke, Titus, Anaconda, Mont. Tin bearing ores from the Black Hills. B-24-g 291
15. United States Car Company, Anniston, Ala. Iron ore. 291
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 - a Collection of minerals T-28-g
 - b Cabinet of meteorites.
 - c Rocks and petrology.
 - d Cabinet of marbles. B-5-g
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GROUP 43.

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19. Frick, H. C., Coke Company, Scottsdale, Pa. Coke and coking coal. S-24-g 292
20. Gresley, W. S., Erie, Pa. Diagram of a coal bed. T-23-g 292
21. Harris, A. W., Oil Company, Providence. Petroleum lubricants. T-19-g 294
22. North Western Land & Coal Co., Boston. Compound to promote combustion of coal. S-2 292

23. Standard Oil Company, Cleveland, O. Petroleum products and interests connected therewith. K-3-g 294
24. Union Mining Co., Mount Savage, Md. U-12-g
 - a Bituminous coal, carbon for electric lights and similar purposes. 292
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GROUP 44.

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26. Campbell, H. B., Clear Creek, Ind. Building stone. S-17-g 296
27. Fort Madison & Appanoose Stone Co. Fort Madison, Ia. Building stone. S-17-g 296
28. New England Brownstone Co., Cromwell, Conn. Brown freestone. S-17-g 296
29. New Pedrara Onyx Company, New York. Onyx blocks, slabs and columns. T-17-g 296
30. Pritchard, Robert B., Middle Granville, N. Y. Red slate. T-19-g 296
31. Schaeffler, John B., Chicago. Building material. C-10-g 296
32. Shaler & Hall Quarry Co., Portland, Conn. Building stone cube. S-17-g 296
33. Sioux Valley Stone Co., Chicago. Jasper, rough and wrought. S-17-g 296
34. Winsboro Granite Co., Charleston, S. C. South Carolina granite. S-17-g 296

GROUP 45.

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36. Behr, Herman & Co., New York. Flint emery papers and cloth; pumice and rotten stone. S-14-g 297
37. Carborundum Company, Monongahela City, Pa. Crude carborundum; wheels and hones. T-13-g 297
38. Diamond Mills Emery Co., Philadelphia. Powdered and grained emery. L-4 297
39. Pittsburg Crushed Steel Company, Pittsburg, Pa. Crushed steel and steel emery. T-14-g 297
40. Tanite Company, Stroudsburg, Pa. Emery, corundum, tripoli, rotten stone, etc. T-15-g 297

DEPARTMENT E.—MINES, MINING AND METALLURGY.

GROUP 46.

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42. Borgner, Cyrus, Philadelphia. Fire brick and clay retorts, etc. B-29-g 304
43. Chisholm, Boyd & White, Chicago. Brickmaking clays and shales, bricks. S-12-g 304
44. Cleveland Fire Brick Co., Cleveland, Tenn. Fire brick and clay. B-29-g 304
45. Denver Fire Clay Co., Denver, Col. Fire clay and brick. U-32-g 304
46. Dixon, Joseph, Crucible Company, Jersey City, N. J. T-12-g 304
- a* Graphite ore. 298
- b* Graphite lubricants. 300
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47. Johns, H. W., Manufacturing Company, New York. Technical display of asbestos. Q-14 and T-11 307
48. Pacific Asbestos Company, San Diego, Cal. Asbestos. T-11-g 307
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50. Taylor, Robert J., & Son, Philadelphia, Pa. Graphite, crucibles, retorts, dipping cups, etc. S-10-g 303
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53. American Cement Company, Philadelphia. Cement. S-10-g 309
54. Barber Asphalt Paving Co., New York. Asphalt, asphaltic cement and paving. T-8-g 312
55. Canaan Lime Company, Canaan, Conn. Lime and limestone; section of plastered wall. S-7-g 309
56. Chicago Fitzgerald Plaster Company, Chicago. Wall plaster. T-8-g 313
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59. Trinidad Asphalt Co., New Jersey. Asphalt, paving, etc. T-8-g 312
- 59a. Warren Chemical & Manufacturing Co., New York. Asphalt. T-9-g 312
60. Warren-Scharf Asphalt Paving Company, Cincinnati, O. Asphalt street pavement with method of making. T-10-g 312

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63. Manitou Mineral Water Company, Manitou Springs, Col. Mineral waters. S-7-g 321

64. New Iberia Salt Company, New Orleans. Rock salt and statue. S-6-g 314
65. Roessler & Hasslacher Chemical Co., N. Y. Chemicals for mining industries. S-4-g 316
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66. Saratoga Lithia Spring Company, Saratoga, N. Y. Spring water. S-7-g 321
67. White, T. & S. C., New York. Refined sulphur, virgin rock and flower. S-5-g 317

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69. Alan Wood Company, Philadelphia. Sheet iron and steel. U-16 334
70. Bicknell, G. A., Cleveland, Ohio. Chemical process of puddling. C-31-g 327
71. Bethlehem Iron Company, South Bethlehem, Pa. Dept. G
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b Nickel steel. 332
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74. Chicago Fire-Proof Covering Company, Chicago. Mineral wool, its manufactures and products. B-29-g 333
75. Chrome Steel Works, Brooklyn, N. Y. Chrome steel castings, welded chrome steel and iron. S-14-s 333
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78. Dewees, W., Wood Company, Pittsburg, Pa. Iron and steel sheets and plates. T-14 324
79. Elbers, A. D., Hoboken, N. J. Blast furnace slags. B-30-g 322
80. Elwood Ivins' Tube Works, Philadelphia. Metal tubing of steel. B-23-g 334
81. Howe, Henry M., Boston. Steel, illustrating effect of heat treatment. B-30-g 334
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86. Pottstown Iron Company, Pottstown, Pa. Steel plate, blooms, nails, etc. U-14 334
87. Sanderson Bros. Steel Company, Chicago. Cast steel. T-16 333

UNITED STATES.

- 88. Singer, Nimick & Co., Pittsburg, Pa. Steel. T-21 334
- 89. Solid Steel Company, Alliance, Ohio. Steel castings. U-20 333
- 90. Sterling Steel Company, Pittsburg, Pa. Steel; armor piercing projectiles. T-14 334
- 91. Swartz Iron & Steel Co., Chicago. Iron and steel. B-29-g 334
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- 93. Trenton Iron Co., Trenton, N. J. Iron and steel wire. Dept. G. 334
- 94. Tyler Tube Co., Washington, Pa.
 - a Charcoal iron blooms. T-21 326
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- 95. Ulke, Titus, Anaconda, Mont. Slag and matte illustrating pyritic smelting. B-24-g 324
- 96. United States Car Company, Anniston, Ala. Dept. G 324
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- 97. United States Car Co., Chicago. Merchant iron Dept. F 334
- 98. Weimer Machine Works Co., Lebanon, Pa. Blast furnace plans. S-2-g 323
- 99. Western Mineral Wool Co., Chicago. Mineral wool in bulk, mineral wool, insulating minerals. B-29-g 326

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- 103. Pittsburg Reduction Company, Pittsburg, Pa. B-28-g
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- 106. Copper Queen Consolidated Mining Co., New York. B-23-g
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- 110. O'Neill, Andrew, Philadelphia. Planished copper; electro coppered metals. B-23-g 342
- 111. Randolph & Clowes, Waterbury, Conn. Brass and copper tubing, etc. S-17 342
- 112. Sadtler, B., Golden, Col. Copper-silver smelting and refining processes. C-24-g 340

GROUP 52.

Metallurgy of Tin, Tin-Plate, Etc.

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GROUP 53.

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GROUP 54.

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- 120. Kunz, George F., Hoboken, N. J. Platinum earth, concentrates, etc., and photographs. C-23-g 359
- 121. Tiffany & Co., New York. All alloys of gold and silver. C-23-g 357
- 122. Union Electric Co., New York. Lubricating metal. C-25-g 357
- 123. United States Antimony Company, Philadelphia. Antimony ores showing process of reduction to pure antimony. C-26-g 357

GROUP 55.

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- 125. Chicago Iron Works, Chicago.
 - a Stamp mill. R-22 360
 - b Amalgamating plant. 362
- 127. Fraser & Chalmers, Chicago.
 - a Stamp mill. S-29 360
 - b Amalgamating barrel. 362
- 128. Granger, Alvin P., Denver, Col. Stamp mill and dry ore separator. U-13 360
- 129. Mechanical Gold Extractor Co., New York. Crawford gold extracting mills. R-14 360
- 130. Peck, Orrin B., Chicago. Centrifugal ore concentrator. S-4 361

DEPARTMENT E.—MINES, MINING AND METALLURGY.

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136. Woodbury, George E., San Francisco. Quartz mill and ore concentrator. T-2 360

GROUP 56.

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 241. Black Diamond Company, Chicago. Coal and coal mining journal. D-32-g 411
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 244. Bruner, T. K., Raleigh, N. C. Books on minerals of North Carolina. D-32-g 411
 245. Brunton, D. W., Aspen, Col. Model. T-3-g 410
 246. Callaghan & Co., Chicago. Mining reports. D-32-g 411
 247. Chain & Hardy Book Co., Denver, Colo. Works on mining, geology and prospecting. D-32-g 411
 248. Coal Trade Journal Company, New York. Journal. D-32-g 411
 249. Colliery Engineer Company, Scranton, Pa. Works on mining and metallurgy. Colliery Engineer. D-32-g 411
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 259. Harris, William, Kingston, New Mexico. Expert mining map. D-32-g 410
 260. Houghton, Mifflin & Co., Boston. Books on coal mining and geology. D-32-g 411
 261. Ives, James T. B., Philadelphia. Strata and altitude maps. D-32-g 410
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 264. Mining News Publishing Company, Seattle, Wash. Newspaper. D-32-g 411
 265. Rice & Hagefn, Sapinero, Col. Mineral map of Colorado. D-32-g 411
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 267. Sanborn, J. B. Company, Chicago. Coal dealers' blue book. D-32-g 411
 268. Smythe, A. H., Columbus, Ohio. Book. D-32-g 411
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 63. Thomas, Evan, Prospect. Limestone. 296
 64. Thousand Islands Granite Company, Montreal, Can. Granite. 296
 65. Ulster Bluestone Company, Warsaw. Sandstone. 296
 66. Warsaw Bluestone Company, Warsaw. Sandstone. 296

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 68. Adams Brick & Terra Cotta Co., Buffalo. Clay. 304
 69. Adirondack Pulp Company, Gouverneur. Talc. 305
 70. Anderson Pressed Brick Company, Staten Island. Clay and pressed bricks. 304
 71. Asbestos Pulp Company, Gouverneur. Talc. 305
 72. Baebly, Julius, Cohoes. Clay. 304
 73. Bolton, William, Evans. Clay. 304
 74. Bostwick, W. H., Spencer. Clay. 304
 75. Brush Bros., Buffalo. Clay and sand. 304
 76. Brush & Smith, Jewettville. Shale and sample brick. 304
 77. Buffalo Star Brick Company, Buffalo. Clay. 304
 78. Burke & Mead, Canandaigua. Clay and sample brick. 304
 79. Campbell, T. B., Newfield. Paving and building brick and clay. 304
 80. Carpenter Bros., Sea Cliff. Stone-ware clay, fire sand, kaolin, etc. 304
 81. Celadon Terra Cotta Company, Alfred Centre. Clay and roofing tile. 304
 82. Central New York Drain-tile Company, Chittenango. Clay and drain-tile. 304
 83. Coats Bros., Raymondville. Clay. 304
 84. Coe, S. E., Mohawk. Clay. 304
 85. Dolin, John, Hoosick Falls. Clay. 304
 86. Dunn, Dolan & Co., Oyster Bay. Clay and sand. 304
 87. Edgerton, W. D., Oswego Falls. Clay. 304
 88. Eisenhardt, R. G., Horseheads. Clay. 304
 89. Empire Brick Manufacturing Company, Breesport. Clay. 304
 90. Excelsior Brick Company, Haverstraw. Clay and sand. 304
 91. Ferguson, Alexander, Troy. Clay. 304
 92. Fisher's Island Brick Company, Long Island. Clay and sand. 304
 93. Flagler & Allen, Arlington. Clay. 304
 94. Garrett, H. L., South Trenton. Clay. 304
 95. Godfrey, N. W., Northport. Grit, sand and gravel. 304

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97. Grimes, H. C., Amsterdam. Clay. 304
98. Hayne, P., Goshen. Clay and drain-tile. 304
99. Hilton, Wm., Dunkirk. Clay and brick. 304
100. Hornellsville Brick & Terra Cotta Co., Hornellsville. Brick and shale. 304
101. Jones, Dr., Cold Spring. Clay and sand. 304
102. Jones, Oliver, Jones' Point. Sand. 304
103. Kreisler Bros., Staten Island. Clays; sand; kaolin. 304
104. Lester, A., Owasco. Clay, drain-tile and brick. 304
105. Longbottom, George, Fresh Pond. Clay. 304
106. Lythe & Sons, Angola. Shale. 304
107. Mahan, G. W., Great Neck. Clay. 304
108. Mosell, A., Lockport. Clay. 304
109. McCabe Bros., Greenridge. Clay. 304
110. McClean, Alexander, Catskill. Clay, brick and sand. 304
111. McCusker, M. J., Jamestown. Clay, brick and drain-tile. 304
112. McDuffie, H., Gloversville. Clay. 304
113. Mechanicsville Brick Company, Mechanicsville. Clay. 304
114. Myers, Martin, Farmingdale. Brick, clay and sand. 304
115. Northport Fire Clay Company, Northport. Stoneware, clay and fire sand. 304
116. Newton Bros., Crescent. Clay. 304
117. New York Brick & Paving Co., Syracuse. Clay and brick. 304
118. Ogdin Brick Company, Binghamton. Clay. 304
119. Onondaga Vitriified Brick Company, Syracuse. Shale, clay and brick. 304
120. Ouimet, J., Plattsburg. Clay. 304
121. Paige Bros., Ogdensburg. Clay. 304
122. Parry, W. W., Rome. Clay and brick. 304
123. Peck, B. F., East Bethany. Clay and drain-tile. 304
124. Post Bros., East Williston. Clay and brick samples. 304
125. Riesterer, M., Tonawanda. Clay. 304
126. Rochester Brick & Tile Manufacturing Co., Rochester. Clay and brick. 304
127. Sanford, C. L., Southold, Long Island. Clay and brick. 304
128. Seneca River Brick Company, Baldwinsville. Clay and brick. 304
129. Sigler, J., Clarkson. Clay. 304
130. Smith, J. B., St. Johnsville. Clay. 304
131. Staten Island Kaolin Company, Kreischerville. Clay. 304
132. Stoutner, William, Gloversville. Clay. 304
133. Terry, J. B., Southold, Long Island. Pottery clay. 304
134. Turner, J., Randolph. Clay. 304
135. Underhill, W. A., Brick Company, Croton Landing. Clay, sand and brick. 304
136. Van Dusen, F. M., Glasco. Clay and sand. 304
137. Vernon, M. H., Florida. Clay. 304
138. Watertown Pressed Brick Company, Watertown. Clay. 304
139. Watson, Robert, Madrid. Clay. 304
140. Wheeler, O. B., Middletown. Clay and pottery. 304
141. Williams, C. L., Saratoga. Brick. 304
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144. Wyandance Brick & Terra Cotta Co., Wyandance. Brick; clay. 304

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157. Kerr Salt Company, Rock Glen. Salt. 314
158. Lehigh Salt Mining Company, Le Roy. Salt. 314
159. Le Roy Salt Company, Le Roy. Salt. 314
160. Onondaga Coarse Salt Association, Syracuse. Salt. 314
161. Pearl Creek Salt Company, Pearl Creek. Salt. 314
162. Perry Salt Company, Perry. Salt. 314
163. Retsof Mining Company, Retsof. Salt. 314
164. Royal Salt Company, Mt. Morris. Salt. 314
165. Warsaw Salt Company, Warsaw. Salt. 314
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3. Atwood, K., Whitehead. Magnetite. 291
4. Avery, W. W., Plumtree. Titaniferous magnetite. 291
5. Bailey, Mrs., Orleans. Limonite. 291
6. Ballou, N. B., Crumpler. Magnetite. 291
7. Ballou & Gentry, Jefferson. Manganiferous iron ore. 291
8. Barringer Mining Company, Gold Hill. Gold ore. 291
9. Barringer, Mr., Newton. Magnetite. 291
10. Bates, J. G., Franklin. Red hematite. 291
11. Bates, Mr., Monroe. Gold ore. 291
12. Bement, Clarence M., Philadelphia, Pa. Collection of minerals and gems. 291
13. Bessemer City Mining Company, Bessemer City. Limonite; turgite; magnetite. 291
14. Bess, Lawson, Orleans. Magnetite. 291
15. Boger, Martin, Bost's Mills. Gold ore. 291
16. Bost, A. W., Bost's Mills. Gold ore. 291
17. Bost, Charles, Mt. Pleasant. Gold ore. 291
18. Bost, Mr., Maiden Station. Magnetite. 291
19. Bowman, David, Bakersville. Oligoclase; beryl; halloysite. 291
20. Blackwelder, J., Catawba Station. Magnetite. 291
21. Blackwell, D. A., Alexander. Massive and fibrous serpentine and magnetite. 291
22. Blevins, D., Piney Creek. Magnetite. 291
23. Blocker, O. H., Old Fort. Pyrites. 291
24. Blue Wing Copper Company, Blue Wing. Bornite. 291
25. Brewster, James B., New York, N. Y. Gold ore. 291
26. Brittain, H. S., Murphy. Limonite. 291
27. Bruner, T. K., Raleigh. Collection of gems and minerals. 291
28. Buck Creek Corundum Company, Shooting Creek. Collection of minerals. 290
29. Buckley, William F., New York. Gold ore. 291
30. Butler, Dr., Magnetic City. Limonite. 291
31. Carl, J. M., Concord. Gold and silver ore. 291
32. Carolina Sulphuric Acid Company, Long Creek. Pyrites. 291
33. Carson, S. M., Nathan's Creek. Chalcopyrite. 291
34. Cates, B. S., Dry's Mills. Gold ore. 291
35. Cawson, J. H., Charlotte. Gold ore. 291
36. Coffey, T., Boone. Martite. 291
37. Concord Mining Company, Concord. Gold ore. 291
38. Conrad Hill Mining Company, Lexington. Chalcopyrite. 291
39. Cooke, Mr., Lenoir. Martite. 291
40. Cooper, J. W., Murphy. Limonite. 291
41. Couder, Eli, Indian Trail. Gold ore. 291
42. Cowan, S. A., Port Chester, N. Y. Gold ore. 291
43. Cowan, S. A., Silver Hill. Silver ore. 291
44. Clayton, James E., & Co., Baltimore, Md. Gold ore. 291
45. Clegg Copper Company, Lockville. Chalcopyrite; malachite. 291
46. Cranberry Iron & Coal Co., Cranberry. Magnetite ores. 291
47. Cross, J. M., Fairmont. Gold ore. 291
48. Crowell, M. E., Indian Trail. Gold ore. 291
49. Curtis, J., Patterson. Magnetite. 291
50. Davis, J. A., & Son, Port Deposit, Md. Cassiterite. 291
51. Deak Mica Mining Company, Spruce Pine. Allanite. 291
52. Deal, J. A., Franklin. Garnets, sapphires. 291
53. Deal & Stoner, Franklin. Garnet gems. 291
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55. Derr, Andy, Iron Station. Magnetite. 291
56. Dixon, J. A., Weaver's Ford. Chalcopyrite. 291
57. Dougherty, D. B., Boone. Red hematite. 291
58. Duffee Mine Company, Charlotte. Gold ore. 291
59. Eames, R., Jr., Gold Hill. Gold ore. 291
60. Eames, R., Jr., Salisbury. Gold and silver ores. 291
61. Eames, R. M., Salisbury. Gold ore. 291
62. Elk Knob Mine, Elk Cross Roads. Chalcopyrite, pyrrhotite. 291
63. Eller, E., Craven. Gold ore. 291
64. English, Isaac, Spruce Pine. Beryl, biotite. 291
65. Fagg, Isaac, Danbury. Magnetite. 291
66. Farthing, J. K., Patterson. Titaniferous iron ore. 291
67. Field, A. M., Ashville. Collection of cut gems. 291
68. Finch, J. W., & Co., Lexington. Gold and silver ore. 291
69. Fitzgerald, J. J., Hot Springs. Limonite and manganese ore. 291

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 71. Francis, R., Piney Creek. Magnetite. 291
 72. Fuller, A., Jones' Mine. Gold ore. 291
 73. Fuller, D. R., Jones' Mine. Gold ore. 291
 74. Furr, Eva, Georgeville. Gold ore. 291
 75. Furr, S., Concord. Gold ore. 291
 76. Gap Creek Mine Company, Gap Creek. Barite, malachite, chalcopyrite, etc. 291
 77. Garland, Charles, Bad Creek. Magnetite. 291
 78. Genth, F. A., Jr., Philadelphia, Pa. Collection of minerals. 290
 79. Gouge, Joel, Rock Creek. Magnetite. 291
 80. Graham, W. A., Iron Station. Magnetite. 291
 81. Grayboal, J., Lansing. Manganiferous iron ore. 291
 82. Gwyn, James, Banner's Elk. Red hematite. 291
 83. Ham, Thomas, Jefferson. Magnetite. 291
 84. Hanks, Mr., Murphy. Limonite. 291
 85. Harris, C. W., Cid. Gold ore. 291
 86. Harris, T. C., Raleigh. Collection of minerals and ores. 291
 87. Harris, T. F., Thomasville. Gold ore. 291
 88. Heck, J. M., Alexander. Magnetite. 291
 89. Heck, J. M., Danbury. Magnetite. 291
 90. Hedrick, M. L., Silver Hill. Gold ore. 291
 91. Heiling Bros., Salisbury. Gold ore. 291
 92. Hepler, R. T., Cid. Gold ore. 291
 93. Higdon, William, Franklin. Titaniferous magnetite. 291
 94. Hitchcock, Mrs., Murphy. Limonite. 291
 95. Hogsed, Samuel, Elf. Zoisite and albite with corundum in crysolite. 291
 96. Hoke, R. F., Raleigh. Martite. 291
 97. Holmes, J. A., Raleigh. Gold, silver and iron ores, etc. 291
 98. Holmes, R. J., & Co., Salisbury. Gold ore. 291
 99. Honeycut, D. W., Gold Hill. Gold ore. 291
 100. Hoover Hill Company. Bush Hill. Gold ore. 291
 101. Houser, H. Y., Lincolnton. Manganese ore. 291
 102. Hughes, Irwin, Rock Creek. Magnetite. 291
 103. Huskins, John, Murphy. Manganese ore. 291
 104. Isenhour, George W., Gold Hill. Gold ore. 291
 105. Isenhour, H. M., Gold Hill. Gold ore. 291
 106. Jones, W. O., High Point. Gold ore. 291
 107. Jones, W. P., Marion. Aqua marines; emeralds; smoky quartz. 291
 108. Justice, John, Spear. Red hematite. 291
 109. Keinath, W. M., Concord. Gold ore. 291
 110. Kelly James, Mocksville. Titaniferous magnetite. 291
 111. Kesler, J. W., Garfield P. O. Gold ore. 291
 112. King's Mountain Mining Company, King's Mountain Station. Gold ore. 291
 113. Klutz & Peck, Dry's Mill. Silver ore. 291
 114. Laurence, David, Boone. Chromic iron ore. 291
 115. Ledoux, A. R., New York, N. Y. Cassiterite. 291
 116. Lewis, L. L. V., Thomasville. Gold ore. 291
 117. Link, Mr., Iron Station. Magnetite. 291
 118. Lobdell Car Wheel Company, Lockville. Magnetite; specular hematite. 291
 119. Long Creek Gold Mining Company, Long Creek. Gold ore. 291
 120. Lucas, H. S., Cullasaja. Emeralds; rubies; sapphires. 291
 121. Lyles, J., Indian Trail. Gold ore. 291
 122. Mann, Charles G., Thomasville. Gold ore. 291
 123. Marion Bullion and Mining Company, Harrisburg, Pa. Collection of minerals and gems. 291
 124. Mauney, E., Gold Hill. Gold ore. 291
 125. Mauney, E. H., & Co., Gold Hill. Gold ore. 291
 126. McAden, Mr., Murphy. Limonite. 291
 127. McCandless, N. B., Salisbury. Gold ore. 291
 128. McCarter, G., Helton. Titaniferous iron ore. 291
 129. McClure, Mrs., Iron Station. Magnetite. 291
 130. McReeves, G., Sparta. Manganese ore. 291
 131. Miller, C. A., Eli. Gold and silver ores. 291
 132. Mills, J. C., Brindletown. Native gold. 291
 133. Molesworth & Keating, Catawba. Gold ore. 291
 134. Moody, Arthur, Bakersville. Hyalite; foliated talc; anthophyllite. 291
 135. Mooney, Mr., Murphy. Limonite. 291
 136. Muffly, J. R., & Co., Philadelphia, Pa. Gold ore. 291
 137. Nelson, Lee, Danbury. Magnetite. 291
 138. Nelson, William, Danbury. Magnetite. 291
 139. New Gold Hill Company, Gold Hill. Gold ore. 291
 140. Newman, J. J., Salisbury. Gold ore. 291
 141. North Carolina Iron & Steel Co., Ore Hill. Limonite. 291
 142. North State Mining Company, Crumpler. Magnetite. 291
 143. Oddy, Thomas, Salisbury. Silver ore. 290
 144. Oliver & Springs, Charlotte. Pyrites. 291
 145. Ore Knob Copper Company, Ore Knob. Collection of minerals. 290
 146. Parker Gold Mining Company, Bilesville. Gold ore. 291

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147. Parker, Mrs., Bakersville. Titaniferous magnetite. 291
148. Parker, M. S., New London. Gold ore. 291
149. Parton, George, Burningtown. Manganesian ore and limonite. 291
150. Peed, Martha, Stagville. Red hematite. 291
151. Pennington, C., Sturgill. Magnetite. 291
152. Peters, J. F., Silver Hill. Gold ore. 291
153. Plumer, J. R., & Co., Jones' Mine. Gold ore. 291
154. Price, J. M., Indian Trail. Gold ore. 291
155. Pugh, J. L., Piney Creek. Magnetite. 291
156. Pugh, Lee, Piney Creek. Magnetite. 291
157. Quikel, C., Lincolnton. Limonite. 291
158. Raker, W., Seth. Magnetite; specular hematite. 291
159. Ray, Garrett D., Burnsville. Collection of minerals. 290
160. Ray, Garrett L., Burnsville. Titaniferous, magnetite and chromic iron ore. 291
161. Reading, A. H., Cedar Falls. Gold ore. 291
162. Reimer Mining Company, Salisbury. Gold ore. 291
163. Reynolds, J. R. & A. D., Winston. Magnetite. 291
164. Ritchie, Thomas, Jugtown. Limonite. 291
165. Roan Mountain Iron & Steel Co., Magnetic City. Magnetite; red hematite. 291
166. Robertson, W. A., Price's Creek. Chromic iron ore. 291
167. Russell Mining Company, Glen Brook. Gold ore. 291
168. Seacrest, L. M., Indian Trail. Gold and silver ores. 291
169. Sharp, Mrs., Murphy. Limonite. 291
170. Shepard, Mr., Hickory. Magnetite. 291
171. Silver Valley Mining Company, Thomasville. Silver ore. 291
172. Simmons, Thomas, Brown Mountain. Magnetite. 291
173. Smith, A. V. S., Charlotte. Gold ore. 291
174. Smith, C. D., Franklin. Beryls, garnets, rubies, quartz. 291
175. Snow, George H., Raleigh. Agalmatolite. 291
176. Starus, A. F., Indian Trail. Gold ore. 291
177. Stevenson, J. A. D., Statesville. Collection of gems and minerals. 291
178. Stewart, J., Lansing. Magnetite. 291
179. Stiles, A. J., Franklin. Red hematite. 291
180. Sweet, W. A., Syracuse, N. Y. Gold ore. 291
181. Tarbell, S. H., Indian Trail. Gold ore. 291
182. Theis, A., Concord. Gold ore. 291
183. Thing, C. G., Indian Trail. Gold ore. 291
184. Toe River Land & Mining Co., Plumtree. Magnetite. 291
185. Tolliver, C., Nathan's Creek. Chalcopyrite. 291
186. Tomlinson, J. M., Bush Hill. Gold ore. 291
187. Tomatla Company, Murphy. Limonite. 291
188. Tucker, E., Concord. Gold ore. 291
189. Upchurch, W. G., Raleigh. Pyrites. 291
190. Valley River Company, Murphy. Limonite. 291
191. Violo, C. G., Salisbury. Garnets and beryls. 291
192. Wade, C. C., Queen. Gold ore. 291
193. Waldrop, Alex, Franklin. Titaniferous magnetite. 291
194. Washburn, Dr., Murphy. Limonite. 291
195. Weaver, Baker, Jefferson. Chalcopyrite. 291
196. Weaver, James, Stone Hill. Collection of minerals. 291
197. Weed, J. W., & Co., New York, N. Y. Gold ore. 291
198. Wells, F. M., Hot Springs. Limonite. 291
199. Whitehead, J. W., Banner's Elk. Red hematite. 291
200. Widenhouse Mining Company, Georgeville. Gold ore. 291
201. Wilcox, J. O., Dresden. Magnetite. 291
202. Wilcox, Joseph, Philadelphia. Collection of minerals. 291
203. Wild, Mr., Webster. Genthite. 291
204. Wilkes, John, Charlotte. Gold ore. 291
205. Williams, A. J., Indian Trail. Gold ore. 291
206. Williams, John, Maiden Station. Magnetite. 291
207. Williams, Joseph, & Co., Baltimore, Md. Gold ore. 291
208. Williams, T. J., Rockford. Magnetite. 291
209. Wright, Mr., Murphy. Limonite. 291
210. Wyatt, J., Crumpler. Red hematite. 291
211. Yandel, William, Stouts. Gold ore. 291
212. Yoke, A. J., Grafton. Gold ore. 291
213. Young, Julius, Micaville. Kyanite. 291
214. Young, Willian, Helton. Titaniferous iron ore. 291
215. Yountz, J. L., Indian Trail. Gold and silver ores. 291

GROUP 43.

216. Egypt Coal Company, Egypt. Semi-bituminous coal and coke. 292
217. Holmes, J. A., Raleigh. Bituminous and semi-anthracite coal. 292

GROUP 44.

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219. Andrews, A. B., Asheville. Biotite granite. 296
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223. Basinger, J. J., Salisbury. Pink-gray granite. 296
224. Battle, W. H., Lilesville. Biotite and porphyritic granite. 296
225. Beal, William, Murphy. Crystaline marble. 296
226. Belmont Springs Company, Charlotte. Quartz-porphyr. 296
227. Blackwell, D. A., Alexander. Serpentine. 296
228. Boyden, John, Salisbury. Gray and pink granite. 296
229. Carolina Brownstone Company, Sanford. Brown sandstone. 296
230. Cooke, Chas. M., Louisburg. Biotite granite. 296
231. Duke, B. L., Durham. Brown sandstone. 296
232. Durham & Elliott, Charlotte. Granites; porphyry; gneiss; sandstones. 296
233. Egypt Coal Company, Egypt. Reddish brown sandstone. 296
234. Fleming, J. M., Rolesville. Biotite granite. 296
235. French Bros., Rocky Point. Cellular limestone. 296
236. Fritt, Mrs., Lexington. Biotite granite. 296
237. Graham, A. W., Hillsboro. Pink granite. 296
238. Graham, T., Charlotte. Hornblende, biotite-granite. 296
239. Greystone Granite Company, Greystone. Biotite granite. 296
240. Hairston, Frank, Salisbury. Orbicular granite. 296
241. Harper, G. W., Hickory. Biotite gneiss. 296
242. Hayes, Jefferson, Tomotla. White marble. 296
243. Hendricks, C., Shelby. Biotite gneiss. 296
244. Hickerson, C. N., Andrews. Steatite. 296
245. Holland & Paysour, Gastonia. Biotite granite. 296
246. Holmes, J. A., Raleigh. Biotitic-granitic-gneiss. 296
247. Hope, C. L., Garibaldi. Biotite granite. 296
248. Isley, C., Burlington. Biotite granite. 296
249. Ives, Geo. N., Newbern. Shell-limestone. 296
250. Kinsey, A. G., Kinsey. Marble and steatite. 296
251. Leazer, A., Mooresville. Quartzite gneiss. 296
252. Ledbetter Bros., Rockingham. Porphyritic granite. 296
253. Linehan, P., Toisnot. Biotite gneiss. 296
254. Linehan, P. & Son, Greystone. Gray sandstone. 296
255. Linehan & Son, Wadesboro. Gray sandstone. 296
256. Linster, J., Barium Springs. Biotite gneiss. 296
257. McBee, V., Old Fort. Porphyritic gneiss. 296
258. McNealy, Robert, Mooresville. Mottled gneiss. 296
259. Means, P. B., Concord. Pink gray granite. 296
260. Mt. Airy Granite Company, Mt Airy. Biotite granite. 296
261. Nantahala Talc & Marble Co., Hewitt. Marbles. 296
262. North Carolina Slate Company, Albemarle. Roofing slate. 296
263. Rackle, William, Sanford. Reddish brown sandstone. 296
264. Richard & Hewitt, Hewitt. Marbles and steatite. 296
265. Rogers, R. I., Durham. Brown and gray sandstone. 296
266. Smith, J. S., Warrenton. Biotite granite. 296
267. Spainhour, J. M., Lenoir. Black serpentine. 296
268. Vance, R. B., Alexander. Hornblende-biotite-gneiss. 296
269. Wade, C. C., Queen. Roofing slate. 296
270. Wadesboro Brownstone Company, Wadesboro. Chocolate and gray sandstone. 296
271. Whitaker, S., Andrews. Blue gray marble. 296
272. Williams, John, Oxford. Biotite granite. 296
273. Wyatt, J. T., Salisbury. Quartzose and granite. 296
274. Young, T., Andrews. Checked gray marble. 296

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275. Adams, W. J., Carthage. Millstone grit. 297
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277. Buck Creek Corundum Company, Shooting Creek. Corundum. 297
278. Cardon, G. B., Elf. Corundum. 297
279. Carter Corundum Company, Democrat. Corundum, albite. 297
280. Claywill, R. T., Morganton. Massive and pulverized garnet. 297
281. Deal, J. A., Franklin. Corundum crystals. 297
282. Deal & Stoner, Franklin. Corundum crystals. 297
283. Dunn, B. R., Wilmington. White quartz sand. 297
284. Genth, F. A., Jr., Philadelphia, Pa. Corundum, and its products. 297
285. Harris, T. C., Raleigh. Corundum. 297
286. Hogsed, Samuel, Elf. Corundum; corundum gravel; albite. 297
287. Holmes, J. A., Raleigh. Corundum. 297
288. Hughes, W. H. H., Webster. Bronzite and corundum. 297
289. Hyams, Chas. W., Statesville. Pink corundum. 297
290. Lewis, W. C., Goldsboro. White quartz sand. 297
291. Lucas, H. S., Cullasaja. Topaz, corundum, corundum sand. 297
292. Patton, Lou'sa, E.f. Corundum. 297

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294. Smith, C. D., Franklin. Corundum. 297
295. Stevenson, J. A. D., Statesville. Black corundum. 297
296. Stroud, W. F., Chapel Hill. Whetstone. 297
297. Wilcox, Joseph, Philadelphia, Pa. Corundum. 297
298. Wyatt, J. T., Salisbury. Millstone grit. 297
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299. Adams, Shepards, Polkton. Kaolin. 304
300. Avery, W. W., Plumtree. a Mica. 305
b Asbestos. 307
301. Beall, William, Murphy. Fire clay. 304
302. Benbow, D. W. C., Greensboro. Soapstone. 305
303. Blue Ridge Mica Company, Waynesville. Muscovite mica. 305
304. Bowers Bros., Franklin. Muscovite mica and crystals. 305
305. Bowman, David, Bakersville. Halloysite. 304
306. Bryson Mine Company, Franklin. Muscovite mica. 305
307. Carolina Clay Company, Dillsboro. Kaolin. 304
308. Cloudland Mica Company, Bakersville. Albite. 305
309. Costner, R. E., Lincolnton. Halloysite. 304
310. English, Isaac, Spruce Pine. Orthoclase; albite feldspar. 304
311. Gash, Mr., Brevard. Kaolin. 304
312. Holton, A. S., High Point. Kaolin. 304
313. Hatch, W. N., Ashville. Kaolin. 304
314. Hawkins, Colin, Raleigh. Muscovite mica. 305
315. Hoke, R. F., Raleigh. Potters' clay. 304
316. Holmes, J. A., Raleigh. Graphite. 298
317. Joyner, J. S., Franklinton. Kaolin. 304
318. Kelly, Mr., Harper's Cross Roads. Kaolin. 304
319. Kinsey, A. G., Kinsey. Talc, massive and pulverized. 305
320. Leonard, Charles S., Fentress. Kaolin. 304
321. Margarite Mining Company, Plumtree. Scrap mica. 305
322. Mt. Mitchell Mining Company, Knoxville. Muscovite and ground mica. 305
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Alum stone from J. H. Cookson & Son; bauxite and alum clay from County Antrim, Ireland; alum shale from Park Hill colliery, Wakefield; antimony ore, from Dumfriesshire, Scotland; arsenical pyrites from New Cook's Kitchen and Levant mines, Cornwall, and Devon Great Consols mine, Tavistock; barytes from Wotherton and Snailbeach mines, Shropshire, Mawston mine, Derbyshire, Dronmore mine, Bantry, Ireland, Glendale mine, County Leitrim, Ireland, Devonshire Baryta Chemical Company, Bridford; witherite from the Snailbeach mine, Shropshire, and Old Gang Lead mine, Swaledale; clays from Wareham, Dorsetshire, Torrington, Devon, Rough Lee colliery, Newton Abbot, Devonshire, Stourbridge, and the Woodville district; coal from South Staffordshire, Yorkley, Dan's Drift Colliery, Trenchard seam, Robin Hood and Old Roundwood collieries, Wakefield, Manor colliery, collieries north of England and United National collieries, Cardiff; anthracite from Gwaun Cae Gurwen colliery, Swansea, South Wales; cannel coal from Flintshire; cobalt and asbolane from Foel Hiraddug mine, North Wales; copper ore from Coniston, Lancashire, Wheal Uny and New Cook's Kitchen mine, Cornwall, Mona and Parys mines, Anglesea, North Wales, Devon Great Consols mine, Tavistock, Laxey mine, Isle of Man and East Pool mine, Cornwall; flint from Brandon, Suffolk; flint implements presented by R. J. Snave and Mrs. W. W. Weller, Poley of Brandon and from Santan Doronham; fluor spar from Castleton, Derbyshire and New Cook's Kitchen mine, Cornwall; fuller's earth from Mr. H. N. Garrett, Midford; gold ore and auriferous quartz from the Morgan Gold mine, North Wales; gypsum from Sub-Wealden Boring Company and Vale of Belvoir and Newark Plaster Company; iron ore from Gillfoot Park Mining Company, Egremont, Midland Company's mines at Frodingham, Lincolnshire, Park Iron mines, Hodbarrow Mining Company, Millom, Cumberland, the Eston mines, Regil Mining Company, Winford, Northamptonshire and Antrim Iron Ore Company; iron pyrites from Cae Coch mine, North Wales, Cronebane and Tigrony mines, Wicklow, Ireland; jet from Whitby, Yorkshire; lead ore from Snailbeach mine, Shropshire, Mawston mine, Derbyshire, Milwr Mining Company's mines, Holywell, Flintshire, South String, Coniston Mining Syndicate, Ltd., Lancashire, Rushen mine, Isle of Man, East Darren mine, Cardiganshire, Old Gang lead mines, Swaledale, Halkyn mine, North Wales, North Wales Leadworks,

Ltd., Unity Wood mine, Cornwall, Great Laxey mine, Minera mine, Wrexham, Foxdale mine, Van mine, Llanidloes, North Wales and Rushen mine, Isle of Man; lignite from Bovey Tracey, Devonshire; manganese ore from Benallt mine, Rhiw, Llyndywarthen mine, Harlech, North Wales, Merionethshire, Craig Uchaf mine, Llanbedr, Merionethshire, Dynffry Mining Company, Merionethshire and Moelfre mine, near Barmouth, North Wales; ochre from Cronebane and Tigrony mines, Wicklow, Ireland, Mona and Parys mines, Anglesea, North Wales and Regil Mining Company, Winford; oil shale from Broxburn, Scotland, Drumshoreland and Broxburn seam; petroleum from Southgate colliery, Derbyshire; phosphates from Cambridgeshire, Bedfordshire, Norfolk and Suffolk Crag formation; fossils from the coprolite beds; salt from Salt Union, Ltd., Winsford, Cheshire and United Alkali Company, Ltd., Hebburn-on-Tyne; slate from Oakeley Slate Quarries Company, Ltd., Blaenau Festiniog, North Wales and Llechwedd Quarry, Blaenau Festiniog; stone from Blue Stone quarries, near Wakefield, South Staffordshire and Bath Stone Firms, Ltd., Bath; strontium from Yate, Gloucestershire; celestine from the Regil Mining Company, Winford; tin ore from Cornish, Flat Lode, Wheal Uny, Gossan, Silver Lode, North Dolcoath, Levant mine, Cornwall, Carn Brea mine, Dolcoath mine, Cook's Kitchen mine, East Pool mine, Tincroft mine, Wheal Kitty, Tregurtha mine, South Condurrow mine, Cornwall, East Pool mine, Wheal Dorothy, Cornwall and Highburrow and Teague's lodes, Carn Brea mines; uranium ore from the Uranium mine, Gram-pound Road, Cornwall, Wolfram, East Pool mine, Cornwall; zinc ore from Mawston mine, Derbyshire, Treeastell mine, Conway, Milwr Mining Company, Ltd., Flintshire, North Wales, Old Milwr shaft, Halkyn mines, North Wales, New Minera mine, Wrexham and Talacre mines, Holywell, North Wales, and blende from Moelwyn, near Festiniog, Mona and Parys mines, Anglesea, Great Laxey Mining Company, Ltd., Isle of Man, Minera mine, Wrexham and Van mine, Llanidloes, North Wales. 290

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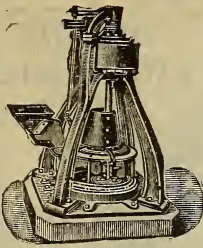
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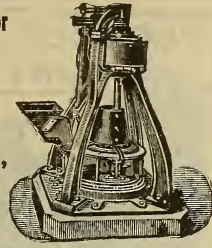
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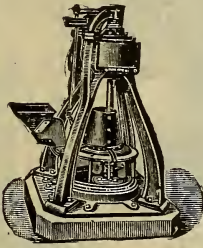
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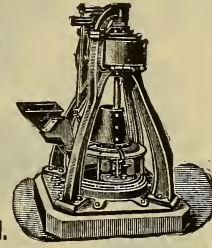
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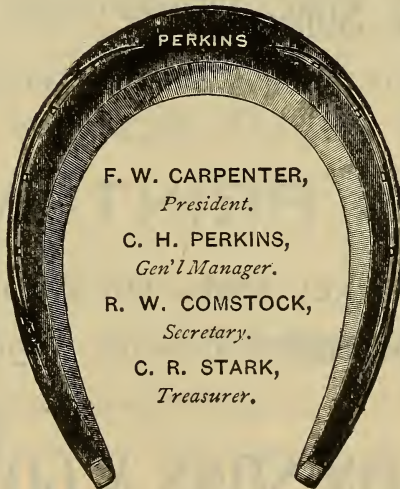
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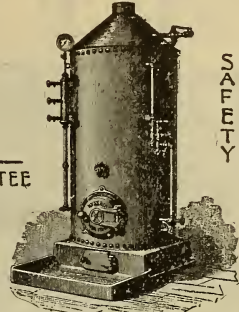
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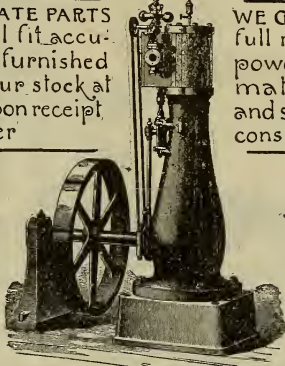


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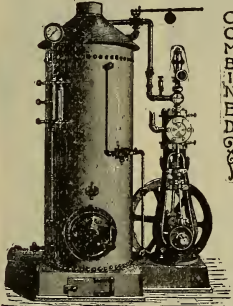
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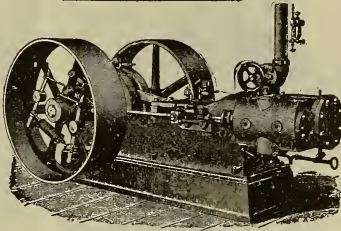
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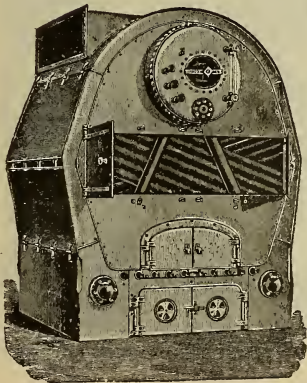
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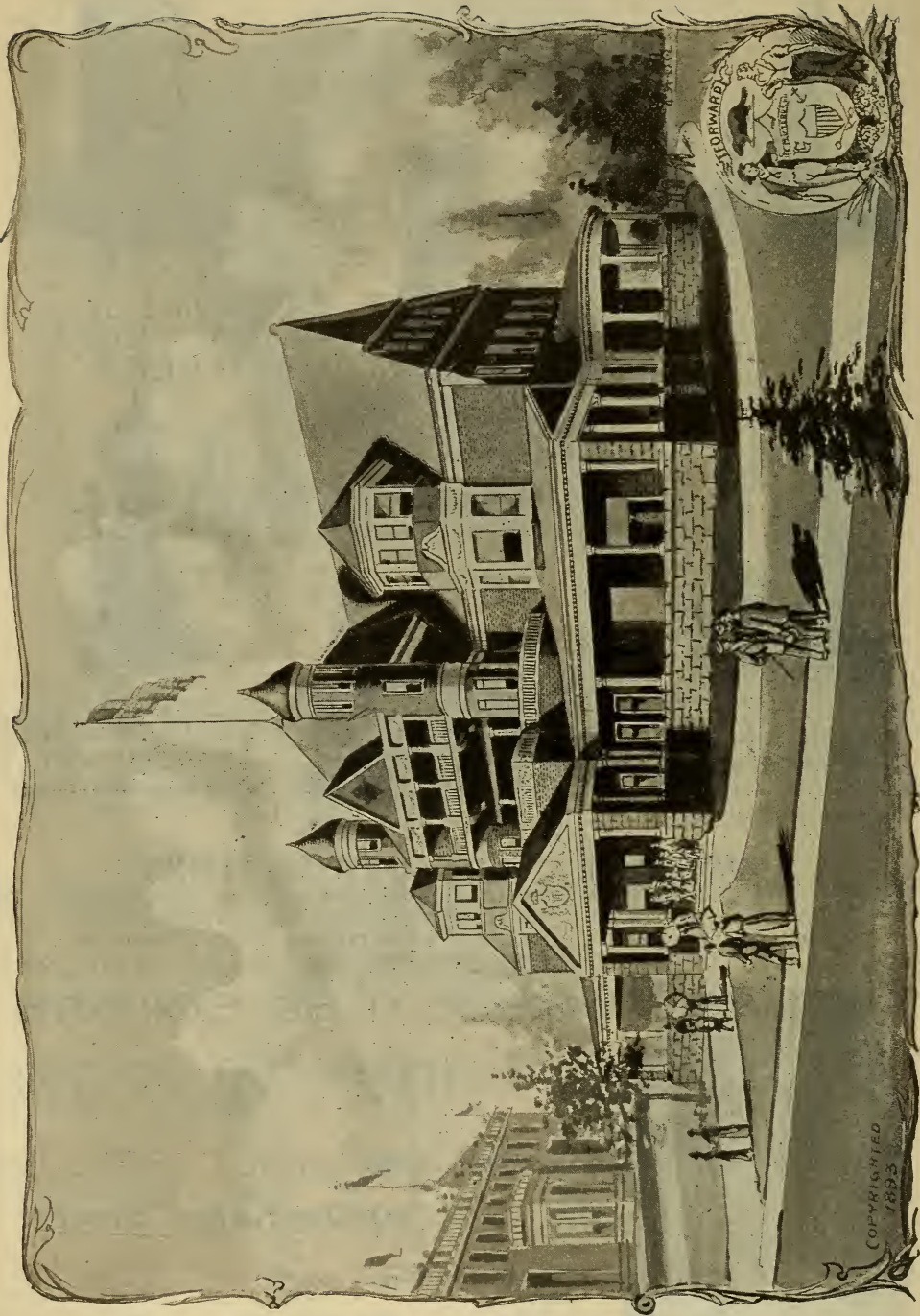
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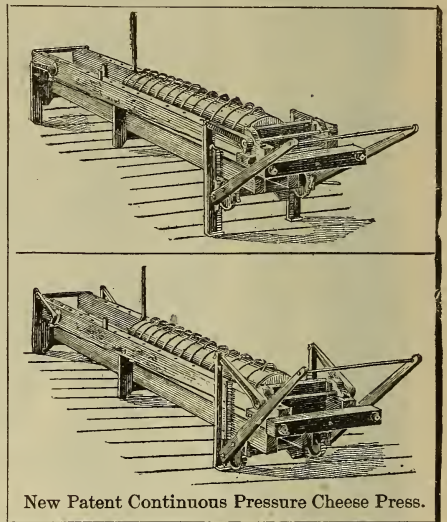
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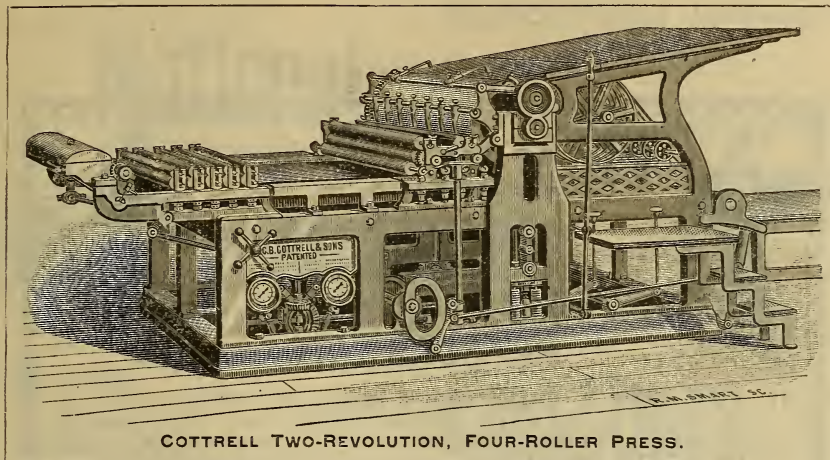
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- IF YOU ARE A BUSINESS MAN**, to clear your brain, to smooth off the rough edges of business cares. The Rambler Bicycle affords a medium *par excellence* for "comfortable exercise."
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See Exhibit Car in Transportation Department.



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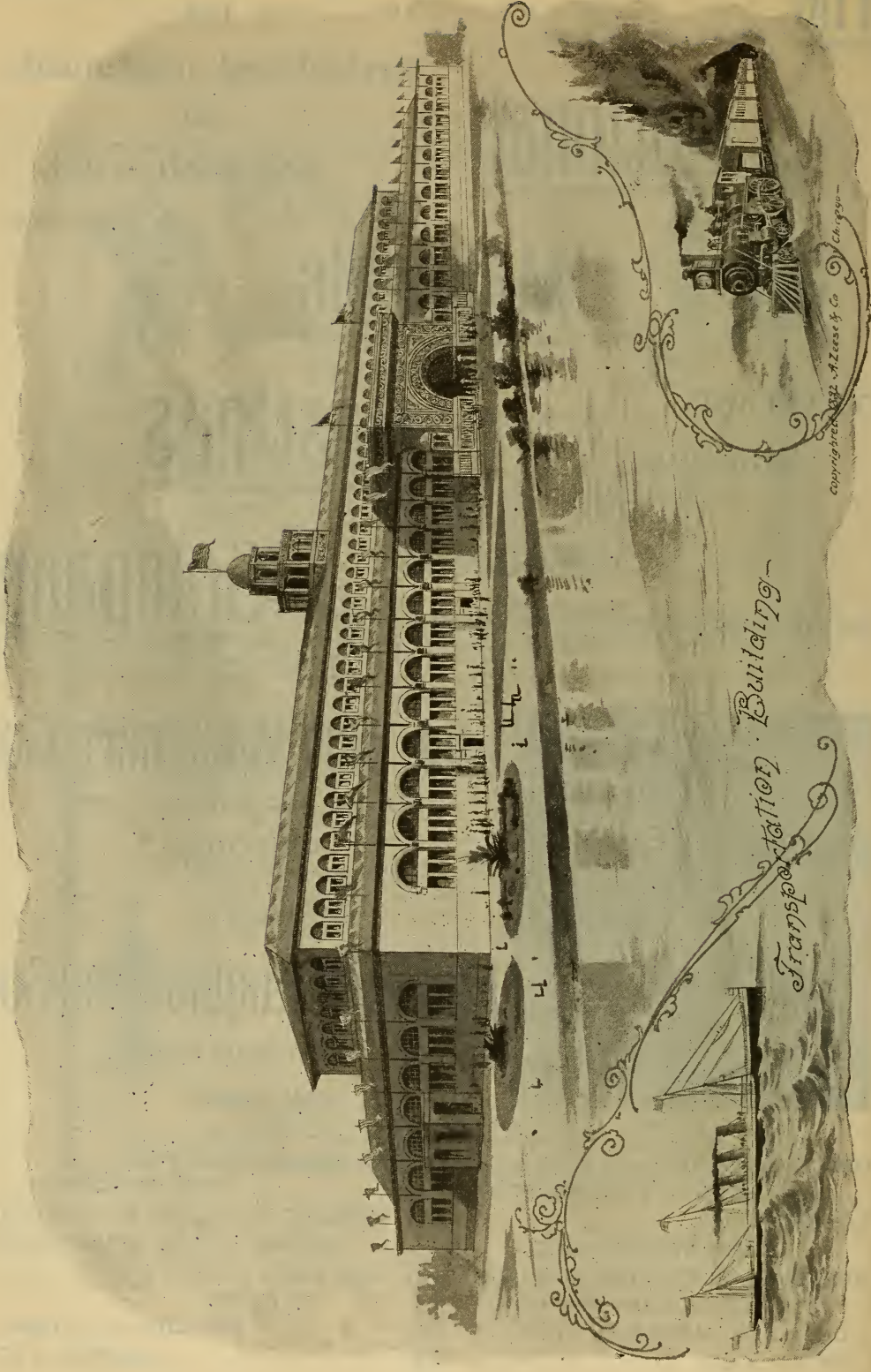
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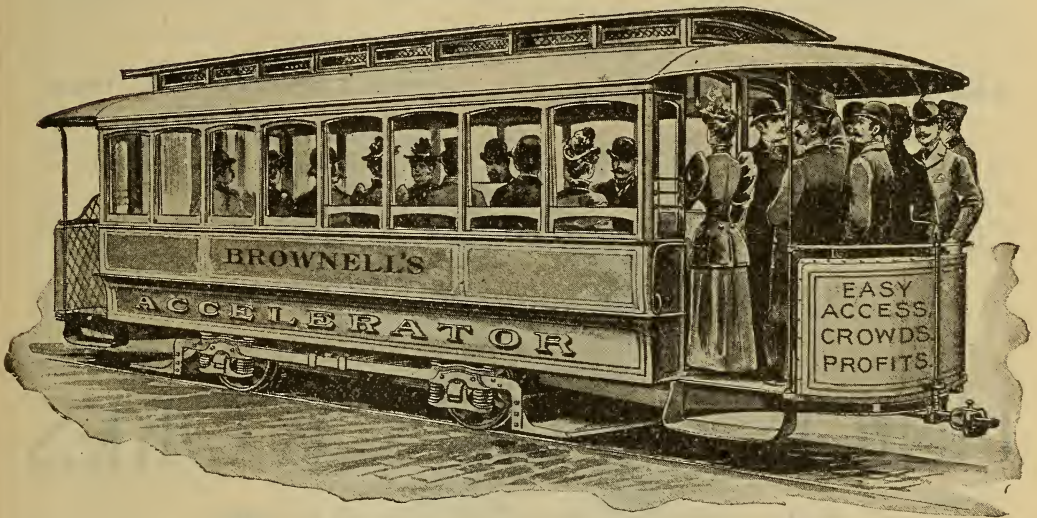
Transportation Building

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Crowded Platforms not a nuisance to Ladies, Passengers, Conductors, or cause of delay.



Short Stops, Big Loads, Increased Earnings, Larger Dividends, Rapid Loading and Unloading.

Equip your Road to make it Inviting and to Earn Dividends.

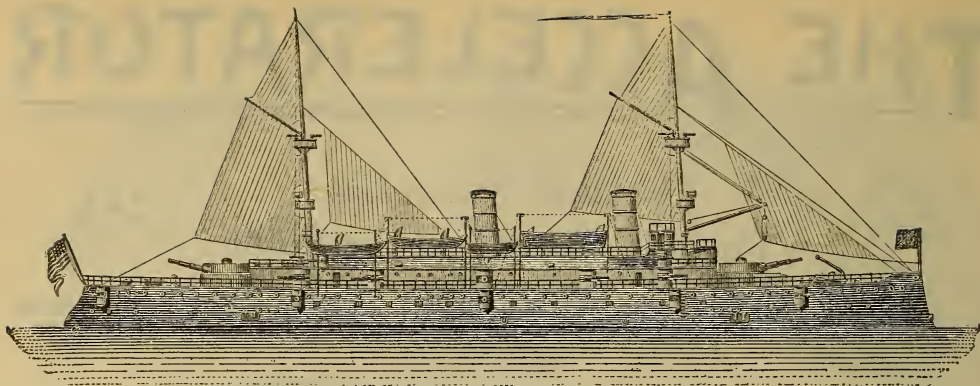
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Build all styles of Street Cars.

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U. S. S. "OLYMPIA."

LAUNCHED NOV. 5, 1892.

TRIAL EXPECTED AUG., 1893.

Length on Gun Deck, 340 ft.
 Beam, 53 ft.
 Mean draught, normal, 21 ft. 6 in.
 Displacement, 5,870 tons.
 Indicated H. P., 13,500.

Four 8-in. B. L. R's. in Turrets.
 Ten 5-in. B. L. R's. Superstructure.
 Fourteen 6-pounder, rapid firing.
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 Four Gatling Guns.

SPEED GUARANTEED, 20 KNOTS.

SPEED EXPECTED, 21 KNOTS.

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THESE works for the past forty years have held the leading place among the engineering establishments of the Pacific Coast. Until ten years ago the work was principally that of a general engineering business. In Mining Machinery they have always been, and still are, in the front line of progress. Much of the best machinery, both for mining and reducing ores, in the Pacific states and territories have originated in the Union Iron Works.

Since ship building was added to the business of this company, the works have expanded so that they now cover an area of twenty-three acres. Extensive wharves provide berths for vessels fitting out and undergoing repairs, with two sets of lifting shears, one of 100 tons capacity, the other of 30 tons.

Seven years ago this company opened their new hydraulic lift dock for the use of shipping in San Francisco harbor. This dock is 437 feet long, 62 feet wide in the clear, and has a lifting capacity of 4,000 tons.

Since the opening of the dock over 800 vessels have been lifted, having a gross tonnage of about 1,000,000 tons, without any accident whatever. This dock was designed by the Manager of the works, and built by the company.

The United States Government have entrusted this company with building, so far, five of the best ships in the new navy. The "Charleston," 18 knot cruiser of 3,750 tons displacement; the "San Francisco," 19 knot cruiser of 4,080 tons displacement; the armored coast defense vessel "MONTEREY," of 5,400 H. P., and 4,000 tons displacement; the "OLYMPIA," whose profile heads this page, and the battle ship "Oregon," of 9,000 H. P., and 10,500 tons displacement.

Besides this national work, passenger and freight steamers have been built for the Pacific Mail S. S. Company's China trade, the Puget Sound passenger trade, and the Pacific Coast S. S. Company's coast trade.

This is the only modern ship-building establishment on the western side of the American continent. A complete model of these works, to a scale of one-fourth inch to the foot, can be seen in Section E, Entresol floor of the Transportation Building.

DEPARTMENT G--TRANSPORTATION EXHIBITS.

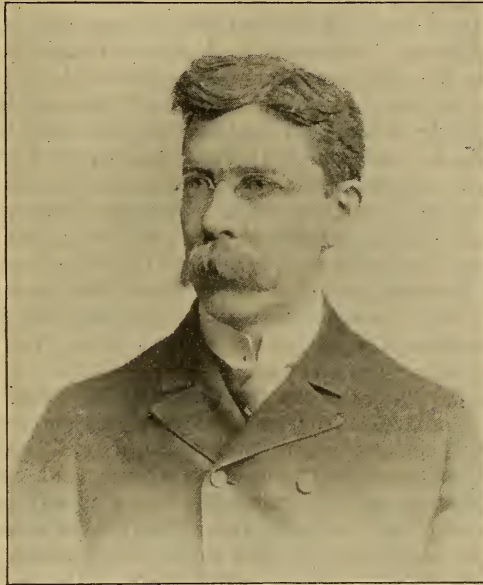
(RAILWAYS, VESSELS, VEHICLES.)

THE wonderful progress of the nineteenth century is due to improved methods of transportation more than to any other agency. The steamboat, the railway and modern methods of quick conveyance of persons, goods and intelligence—all had their birth in the first half of the century, and have been supplemented and improved to a marvelous degree during the latter half. It has remained for the World's Columbian Exposition to recognize fittingly this distinguishing characteristic of the age by creating a department which is devoted to transportation in all its forms. In order to give the subject a high degree of interest and the greatest educational value it is treated from a historical point of view. There is then also added to what might otherwise seem a mere dry study of machinery, even

mance. The crude but ingenuously early inventors' realization of to-day's idea of the possible future. It will incasual visitor to still many porwhere the means as primitive as in the earliest days come to us graven monuments of ancient vessels of the ancients pictorially. Exrule are found in duction of an anracing chariot tian mummy pit, Etruscan museum boat found in an and some plaster ruins, showing wheeled vehicles.

while not particularly elaborate or artistic, are well worth careful study as they are in every case from the most authentic sources.

The first attempts at navigation are well illustrated by canoes and rafts which bear many strange names, and which have been gathered from the islands of the sea; the heart of the dark continent; the rivers and lakes of the frontier regions of the Americas; and the frozen regions of the far North. Some of these, as in the case of the Jangada of Brazil and the Champan of the Magdalena river, are so large that they may be shown only on the lagoons, and the smallest dug-out is hardly larger than a good-sized chopping bowl. More picturesque forms abound in the shape of gondolas, daghsas and the high-prowed boats of Norway. The lagoons also bear upon their bosoms the three vessels forming the Columbus fleet, the famous Viking boat of Norway, and, anchored in front of the Golden Door, a Braggaza of the Adriatic flaunts its richly colored sails. Darting back and forth among these forms of other days and climes, a fleet of electric launches, silent but sure, carry the visitor through a scene of pristine Venetian beauty. Agile and skillful gondoliers dodge hither and yon. More slow and cumbrous is the



W. SMITH, CHIEF.

a flavor of ro- parison of the nious efforts of the with the superb day, gives a new bilities of the terest even the note that there are tions of the globe of conveyance are those employed whose records on the ruined tiquity.

and the vehicles can only be shown ceptions to this the exact repro- cient Scythian found in an Egp- and now in the at Florence; a toy Etruscan tomb; casts of Roman Chariots and other The pictures,

brilliant state barge, and the "Phoenix-boat" of the Japanese Commission excites surprise that the oar should have been abandoned in favor of a silent battery with stored energy.

Within the building again is found still other development in water craft. Innumerable models, accurate in every particular, illustrate the oddities of the marine construction of China, India, Ceylon, Siam and the Malay peninsula. The use of the various forms appears in pictures from original photographs made by the Exposition's own representatives in many lands. A superb Turkish caique is one of the many similar objects of interest.

The growth and present perfection and variety of the merchant marine and the navies of the nations of to-day appear graphically in the shape of hundreds of models of the finest workmanship. The great ship-builders of the world, and especially of that country which has so long ruled the sea, have vied with each other in showing the miniatures of their triumphs. The great steamship lines of the world vary this by dioramas, and other devices, for illustrating life at sea. At one point in the building there arises before the visitor the side of a great Trans-Atlantic liner—or, at least, a section of it sixty feet in length. Entering on the lower deck one may pass through the various rooms and ascend staircase after staircase for five stories, the rooms and their fittings and furnishings being identical with those of the real steamers. And then there are superb collections of sail and row boats, yachts and launches of such graceful lines and elegant finish that one lingers longingly over them and wishes his purse were something fatter.

Rising aspiringly in the southern central court is a huge steam hammer—the fac-simile of that of 125 tons, the largest in the world. It calls attention to the fact that not only the "fruits of peace," but the "peace makers" have here a place. Because naval vessels group properly with merchant marine and pleasure craft—they keep them company and bring with themselves naval armament and equipment. Recent improvements in armor plate and naval ordnance are fully shown and will bear careful scientific study. An important and fascinating portion of the marine exhibit is in the gallery floor, which is reached by elevators at frequent intervals.

These elevators are themselves exhibits of vertical transportation, and although a small fee is charged for the privilege, one should not omit an ascent to the dome of the building by means of one of the eight lifts grouped in the center. The view from the dome is superb and even entrancing. It has also a special value as a means of observing the working of the various railway and and water systems within and without the grounds—a scene without a parallel. In coming down one may stop at the upper bridge and go out on the terrace surmounting the Golden Door, where in full view of the beautiful wooded island, central lagoon and the surrounding palaces rest and refreshment may be found at a charming out-of-door café.

One can not fail to note the luxurious and useful modern carriages and other wheeled vehicles, which the most celebrated makers in the world are displaying. Here and there is an "old timer" like the "deacon's one-hoss-shay." There are some which belonged to celebrated men of another day. A Lord Mayor's state coach stands out in a startling contrast with a rude "carreta," made without metal by the untutored hands of Pueblo Indians. There is a gaudy outfit of cart and harness from Palermo, land sledges from Funchal, a calèche from Quebec and a Cuban Volante. The horse, the ox, and the ass appear in various burden bearing capacities, and harness and saddlery abound in most useful and economical forms, as well as in the elegant and even fantastic.

The human pack animal is not forgotten. The cargadores of South America, and the street carriers of the Orient form picturesque groups. Palanquins, traveling hammocks, and sedans from remote corners of the globe, and some from remote times, illustrate how one class of mankind drudges that another may ride in luxury.

Oddly contiguous to these boxes and bags on poles, rise many beautiful pa-

vilions which shelter the pets of the "wheel-men." The bicycle exhibit is found in the beautifully lighted and readily accessible entresol. Several nations have contributed, but the American makers, both for the number and beauty of their displays, are entitled to unstinted praise.

There are choice and rare marine exhibits on the gallery floor, some beautiful dioramas and many exceedingly important engineering models, drawings and maps. The Associated Engineering Societies of Germany occupy the southern gallery with an exhibit which has cost a large amount of work and money—a very large amount when it is considered that the commercial inducement plays only a very slight part of it and that it is intended almost solely as contribution to the engineering advancement of the world.

It is a "far-cry" from the outfit with which an African explorer has pierced the jungles, to a modern "sixty mile an hour" locomotive, and the sumptuous hotels on wheels which it draws. Possibly there is no better illustration of the importance the Exposition has obtained abroad than the fact that it has drawn across the Atlantic such cumbrous articles as cars and locomotives, which can meet no sale here because they were built for and adapted to different conditions—not to mention the heavy tariff, which also blocks the way. There have been interesting exhibitions of railway machinery before, but never one of an international character. The technical student will here find plenty of material for his earnest investigation—and every one must find much of curious interest and valuable information. The large western portion of the building (called "the annex") contains over two and one-half miles of railway tracks. Here are gathered the machinery and appliances used in constructing, maintaining and operating all forms of railways. Railway exhibits are also found to some extent on all parts of the ground floor. It should be explained that each foreign country has deemed it necessary to keep its entire transportation exhibit together in one court or place—a fact which rendered it impossible to exact and maintain a careful classification in the arrangement of exhibits.

The visitor will readily find at one place a long unbroken aisle, on one side of which he will see a complete mahogany trans-continental train of the Canadian Pacific railway, and on the other, a superb locomotive and coaches of the pattern favored in the mother country—sent by the London & North-Western Railway. Close at hand is a huge broad-gauge (7 feet) locomotive, "the Lord of the Isles"—an imposing relic of a system which has now passed away. It is worth while noting that this identical locomotive formed the principal railway exhibit in the first great World's Fair in London in 1851.

The heart of the railway exhibit is a vast historical collection, gathered with infinite pains and great expense by the Baltimore & Ohio railroad and denominated "The Railways of the World." To the completeness of this collection the Department of Transportation Exhibits of the Exposition has contributed to a considerable extent—the idea being to make this the principal historical center. A brief description can not be given. A fairly exhaustive one would require volumes.

Next, to the south, comes the magnificent Pullman exhibit, which affords the opportunity of saying that the three finest complete trains of cars ever built are to be seen on exhibition in this department. There is in the heart of the main building a complete model of the "transportation town" of Pullman. Adjoining it is a model railway ticket office. Then come acres of cars and locomotives and their appliances. A most interesting bit of all this is a contrasting historical exhibit of the Old Colony railroad, which no one should fail to see. The impression formed by the vast collection of locomotives from a "baby elephant" to a veritable "mastodon" is worth experiencing. There are some miniature locomotives also, and some rare reminders of the first whistles which ever shrieked across western prairies.

The Imperial Commissioner for Germany has certainly met with wonderful success in his transportation exhibit. The Postal Museum of Berlin sends its

choicest models; the Prussian State railways send locomotives and cars; there is the largest portion of a great track museum from Osnabrück; an interesting variety of marine models and appliances; and in the gallery the vast and comprehensive engineering exhibit, already alluded to.

The French exhibit is especially strong in the vehicle division, but there are some exceedingly interesting railway exhibits as well, notably the locomotives which are installed in the main building.

As one passes out the southwestern corner of the main building, he comes upon an exhibit of quick-firing machine guns. Just outside the building along the southern line of the Annex is found a great exhibit by the Vanderbilt System of Railways. A beautiful building, the central portion of which is somewhat like a triumphal arch, forms the front of the exhibit looking toward the south, and the passenger department has its interesting display in one of the two rooms of the building. The historical feature is again prominent. The old locomotive "DeWitt Clinton" attached to two of the original passenger cars of the Mohawk and Hudson railroad made familiar by the well-known silhouette pictures, stands in striking contrast with the "Empire State" Fast Express, claimed to be the fastest regular train in the world, and the New York and Chicago limited train of Wagner cars.

Directly across the open court (affording here a broad entrance from the Sixty-fourth street gate) is the elegant model railway station which shelters the elaborate historical and technical exhibit of the Pennsylvania railroad, and forms the entrance to its track exhibit. Here indeed is food for the student. Four tracks are shown of the Pennsylvania standard, with underground and overhead cross-overs for passengers, signal tower, etc., and a suburban "umbrella" station on the further side. The specially constructed car which brought the great Krupp gun from the sea-cast stands here with a "quaker" gun, identical in appearance with the genuine monster.

Further south one comes upon a model railway water station, the street railway exhibition tracks with electric and other motor cars running back and forth; and if the visitor is a railway man he will want to go still further and investigate the switch and signal system of the passenger terminals which here curve into the great station.

The great exhibit of Krupp, of Essen, Germany, which is located in its own building on the lake shore, south-east of the Agricultural Building, belongs to this department also. Together with a large amount of railway material, there is a vast collection of naval and military ordnance and their concomitants. The largest gun in the world (125 tons) is a mighty magnet, drawing every visitor on the grounds to this spot. The successful transportation of this immense weight from Germany to Chicago is something those immediately concerned in may well be proud of.

After a hasty glance at the exhibits of the Transportation Exhibits Department the elegant little steamship building between the Horticultural and the Woman's Buildings may be visited; as also a number of important exhibits located in the open air at the north of the Annex.

The Transportation Exhibits Building is unique in its architecture. Its gorgeous exterior decoration and its superb golden door will identify it at once. Its location on the western bank of the central lagoon, looking upon the wooded island, brings it directly in the highway of greatest travel. Its polychromatic front bears the names of illustrious railway and marine inventors and sculptured groups idealizing the different forms of transportation. The north and south entrance are also elaborate and bear the individual statues of many of the men who brought these things to pass. A peculiar feature of the vast annex is the fact that it was found necessary to carry the Intramural Electric railway over its roof; and the Elevated railway from the city also enters the ground over it. The descent from these aerial stations is at the southwestern corner of the main building.

The main building measures 960 feet front by 250 feet deep. From this extends westward to Stoney Island an enormous annex, covering about nine acres. This is one story only in height. In it may be seen the more bulky exhibits. Along the central avenue or nave the visitor may see facing each other scores of locomotive engines, highly polished, and rendering the perspective effect of the nave both exceedingly novel and striking. Add to the effect of the exhibits the architectural impression given by a long vista of richly ornamented colonnades, and it may easily be seen that the interior of the Transportation Building is one of the most impressive of the Exposition. The building is exquisitely refined and simple in architectural treatment, although very rich and elaborate in detail. In style it savors much of the Romanesque.

The main entrance consists of an immense single arch, enriched to an extraordinary degree with carvings, bas-reliefs and mural paintings, the entire feature forming a rich and beautiful, yet quiet, color climax, for it is treated in leaf, and is called the Golden Door. The remainder of the architectural composition falls into a just relation of contrast with the highly wrought entrance, and is duly quiet and modest, though very broad in treatment. It consists of a continuous arcade, with subordinated colonnade and entablature. Numerous minor entrances are from time to time pierced in the walls, and with them are grouped terraces, seats, drinking fountains and statues.

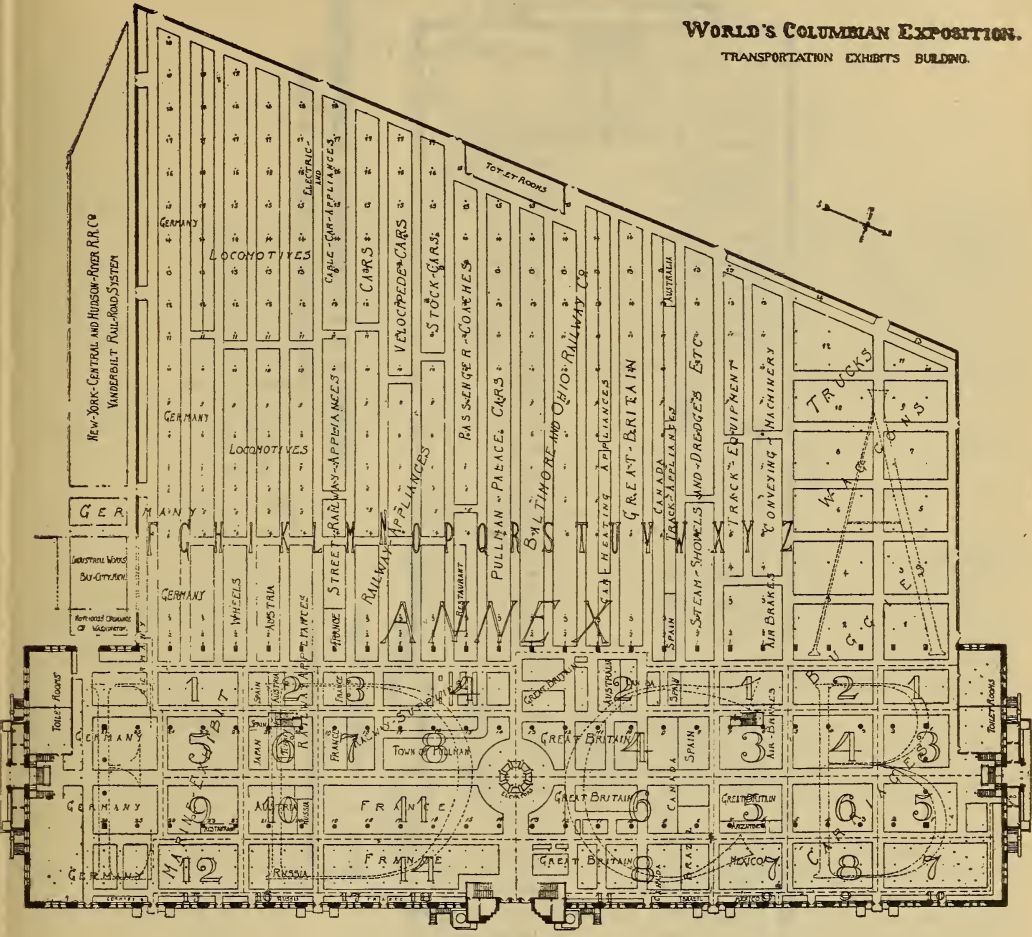
The interior of the building is treated much after the manner of a Roman basilica, with broad nave and aisles. The roof is therefore in three divisions. The middle one rises much higher than the others, and its walls are pierced to form a beautiful arcaded clearstory. The cupola, placed in the center of the building and rising 165 feet above the ground, is reached by elevators. The total floor space is nearly twenty acres. A seventy-five-foot transfer table traverses the annex along the western line of the main building. Railway tracks are laid in the annex at right angles to the transfer table. The heaviest locomotives and cars can be run direct from the installation track, which runs alongside the southern end of the building, upon the transfer table, which takes them to their proper tracks inside the building. The length of these tracks is such that an entire train can be shown connected as when in actual use. The annex opens into the main building in such a manner as to afford long and striking vistas down the main avenues and aisles.

The superintendent of the vehicle division was appointed September 1, 1892. His duties were the assignment of space to the exhibitors and taking entire charge of the vehicle division, which consists of all styles of wheel vehicles, bicycles, carriage and saddlery hardware. He is under the direction of the chief of the department to whom he is held responsible for the proper management of his division. The assignment of space to exhibitors was made in the month of October, which is substantially the same as the final allotments, with a few changes. This division consists of the entire north end of the Transportation Building and annex, 200 feet deep, and two-thirds of the gallery in the north end of the building. At the request of the Executive Committee of the Carriage Builders' National Association the chief of the department made it a rule that all exhibitors in this division should cover their floor space with wood carpet and protect their space from the passageways by a brass railing. This has all been complied with by the exhibitors and it presents a very elegant and uniform appearance. The chief of the department also adopted a uniform sign for all exhibitors, consisting of bevel plate glass with the background etched in gold or silver with a shaded letter. Where practical these signs are supported on mounted stands that set in the exhibitor's space. His duties during the Exposition period will be superintendent of the exhibitors and the exhibits in this division, through whom all matters connected with this department will be transacted by the exhibitors. If any matters are to be referred to the chief of the department it is expected to be done through the superintendent.

The offices of the Chief of the Department, Mr. Willard A. Smith, and his

corps of assistants, are on the entresol floor, in the front of the building looking out upon a most novel scene. They are easily reached by stairs or elevators, and in connection with them will be found the rooms which are designed as headquarters from the technical press and for railway men and manufacturers.

WORLD'S COLUMBIAN EXPOSITION.
TRANSPORTATION EXHIBITS BUILDING.

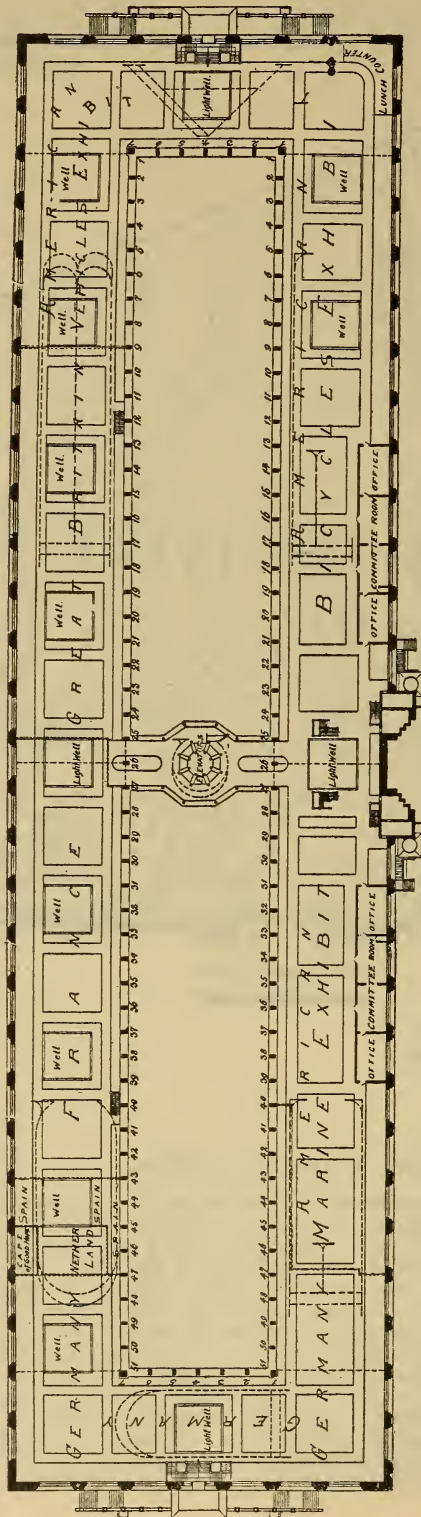


PLAN OF GROUND FLOOR.
SCALE

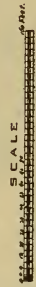
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CHICAGO.

KEY TO INSTALLATION.

For the purpose of the installation of exhibits the Transportation Exhibits 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 at "O-N bet. 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 "B-4, opp. 3," is in Section B, Block 4, opposite Column 3. These divisions and blocks appear on the plan. 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 "Gal. E-42" is in gallery, Section E, opposite or near Column 42.



PLAN OF ENTRESOL FLOOR.



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TRANSPORTATION EXHIBITS BUILDING.

CLASSIFICATION.

TRANSPORTATION DEPARTMENT (G).

TRANSPORTATION—RAILWAYS, VESSELS, VEHICLES.

GROUP 80.

RAILWAYS, RAILWAY PLANT AND EQUIPMENT.

- Class 499. Railway Construction and Maintenance—Maps, profiles, etc. Grading, track-laying and ballasting machinery. Samples of Standard Permanent Way. Systems of drainage. Ballast, culverts, ties, methods of preserving ties. Rails, rail fastenings, frogs, crossings, switches, etc. Cattle guards. Railway bridges, trestles, viaducts, with models and drawings. Tunneling, with machinery, models, maps. Methods of constructing, lighting and ventilating tunnels. Turn-tables and transfer-tables. Water supply and machinery and fixtures used by railroads in connection therewith. Track tools. Systems of maintenance. Snow sheds and other protection against snow. General plans, elevations and models of stations and other railroad structures.
- Class 500. Railway Equipment—Locomotives for passenger and freight service. Locomotive appliances—head lights, bells, whistles, brake valves and apparatus, etc., plans, drawings and photographs of locomotives and locomotive shops. Passenger cars—Mail, baggage and express coaches, drawing-room, parlor, dining, officers' and private cars, etc. Passenger car furnishings and appliances. Freight cars—Box, caboose, stock, horse, milk, refrigerator, and other varieties. Working cars—sweeping, ditching, wrecking, etc.; snow plows, hand, inspection, push and velocipede cars, baggage barrows and trucks. Freight car appliances of all descriptions. Plans, drawings and photographs of cars and car works.
- Class 501. Railway Operation—Purchasing department. Methods of purchasing, storing and distributing material and disposition of condemned material. Railway stationery. Mechanical Department.—Organization. Records, plans and management of shops. devices for coaling locomotives, etc. Testing laboratories. Machines, apparatus and methods of testing. General train management—Dispatching, signaling, etc. Speed indicators and recorders. Interlocking switches and signals, Block systems, etc. Crossing protection by gates, signals, etc. Wrecking tools and appliances. Plans of yards and methods of storing, cleaning and keeping cars. Car interchange and inspection. Systems of accounting, records, tracers. Railway employes—Methods of testing for color-blindness, etc. Uniforms, organizations, etc. Railway sanitation and surgery and appliances used therein.
- Class 502. Railway Management—Legal department, treasury and accounting departments, passenger department. Advertising. Tickets, ticket cases, punches, baggage checks, etc. Freight department, methods of rate-making, soliciting, handling, billing, etc.; plans, arrangements and appliances for handling and housing of freight. Freight-handling machinery, track scales, apparatus for transferring grain from car to car. Traffick Associations, their objects, methods, etc.
- Class 503. History and statistics, exemplified by exhibits of old locomotives, cars, track material and other relics. Railway law and legislation. Railway technical engineering and mechanical associations. Railway literature.

GROUP 81.

STREET CAR AND OTHER SHORT LINE SYSTEMS.

- Class 504. Cable roads and cars. Construction, equipment, methods of operation. Grips and other appliances.
- Class 505. Electric railway cars. Systems of track construction, equipment and supplies for electric roads, methods of operation, appliances and furnishings.
- Class 506. Cars for street railways or tramways operated by horse-power or other means of propulsion not specified. Construction. Equipment and supplies. Methods of operation.
- Class 507. Elevated and underground railways. Plans, models, and maps, showing systems of construction. Systems of operation and maintenance.

GROUP 82.

MISCELLANEOUS AND SPECIAL RAILWAYS.

- Class 508. Mountain railways, spirals, switchbacks, rack rails and all systems for climbing inclines, ship railways, multiple speed railways (moving platforms and sidewalks), gravity roads, sliding railways, plans, profiles, drawings, photographs and models.

GROUP 83.

VEHICLES AND METHODS OF TRANSPORTATION ON COMMON ROADS.

- Class 509. Hand-barrows, wheel-barrows, trunk and barrel-trucks.
- Class 510. Carts, trucks, drays, farm wagons, garden truck wagons.
- Class 511. Freight wagons and other heavy wagons for special purposes, beer wagons, express wagons, wagons for moving heavy objects, as timbers, stone, iron, etc. Sprinkling carts (for fire engines and ladder trucks see Group 70).
- Class 512. Large wagons for pleasure parties, picnic parties and excursions, "breaks," "barges," "wagonettes," etc.
- Class 513. Omnibuses, herdics, cabs, hansoms, etc.
- Class 514. Drags, Concord leather spring coaches; mud wagons for mail, express and passenger service.
- Class 515. Pleasure carriages, coaches, Victorias, Broughams, dog carts, etc.
- Class 516. Light pleasure carriages, buggies, phaetons, etc.; trotting wagons and sulkies.
- Class 517. Sleighs, sleds, cutters, toboggans, snow shoes, etc.
- Class 518. Steam and electric carriages, and all vehicles for carrying passengers on common roads operated by other than horse-power.
- Class 519. Ambulances for special purposes—for the sick and injured. Hearses.
- Class 520. Bicycles, tricycles and the appurtenances.
- Class 521. Rolling chairs for invalids and others, baby carriages, etc.
- Class 522. Wagon and carriage woodwork, hardware and fittings.
- Class 523. Harness, saddlery, robes, whips and accessories of the stable.

GROUP 84.

AERIAL, PNEUMATIC AND OTHER FORMS OF TRANSPORTATION.

- Class 524. Transportation of letters and parcels in pneumatic tubes.
- Class 525. Shop-fittings for the transportation of parcels and money.
- Class 526. Balloon transportation and captive balloons for observation and experiment.
- Class 527. Passenger elevators and lifts

GROUP 85.

VESSELS, BOATS—MARINE, LAKE AND RIVER TRANSPORTATION.

- Class 528. Sailing vessels and boats. Sailing vessels used in commerce, pilot boats, fishing vessels, sailing yachts, ice boats, ship's boats, pleasure boats, canoes and small boats of all kinds propelled by sails, oars or paddles. Models, designs, drawings, descriptions, specifications, photographs, paintings, etc.
- Class 529. Steamships and all vessels propelled by steam, electricity or motive power other than sails, oars or paddles. Ocean steamships, coasting, lake and river steamers. Tank steamers, cable steamers, steam pilot vessels, steam fishing vessels, steam fire, police and patrol boats, steam schooners, tow-boats, steam yachts, steam launches, naphtha launches; vessels designed for jet propulsion or to be propelled by any unusual device. Models, designs, etc.
- Class 530. Vessels, boats and floating structures for special purposes. Docks and other receptacles for vessels and structures used for docking or hauling out vessels or boats. Transports for carrying railway trains or cars, barges, canal boats; coal rafts and coal boxes; water boats, dredges, floating derricks, elevators, etc. Dry docks and marine railways. Models, designs, drawings, etc.
- Class 531. Marine mechanical appliances. (For nautical instruments, see Group 151.) (For marine engines, boilers, pumps, condensers and appurtenances, see Group 69.) Devices for propulsion, devices for obtaining forced draft, steam capstans, windlasses, deck winches, appliances to facilitate loading and discharging cargoes, steering apparatus; marine electric motors, electric indicators, engine room and bridge signal systems and apparatus; boat-lowering and detaching apparatus, speed indicators and speed registers, appliances for laying, picking up and repairing ocean telegraph cables, etc.
- Class 532. Construction, outfit, equipment and repair of vessels.—Methods, articles, fittings or appurtenances. Methods and materials used; special designs for hull or fittings; plates, cellulose, woodite, etc.; water-tight compartments, rudders, masts and spars, rigging; anchors, chains and cables; hawsers, ropes, cordage, wire rope, etc.; sails, blocks and tackles, oars, etc.
- Class 533. Methods of lighting, heating, ventilation and refrigeration of ships.
- Class 534. Protection of life and property and communication at sea. Harbors; light-houses; buoys and similar aids to navigation and all pertaining thereto; life-saving service, boats, rafts, belts, etc.; precautions against fire aboard ship and devices for extinguishing it; storm and coast signals; marine signals. Models, plans, samples, etc.
- Class 535. Wrecking apparatus. Sub-marine armor and divers' appliances, pontoons for raising vessels, equipment for wrecking-steamers, etc.

- Class 536. Miscellaneous. Trophies of yacht and boat clubs, relics of merchant marine and river transportation, relics of arctic and other exploration, seamen's associations, uniforms and designations of rank, flags and ensigns of merchant marine, yacht clubs, etc., designs, maps, charts, boats.

GROUP 86.**NAVAL WARFARE AND COAST DEFENSE.**

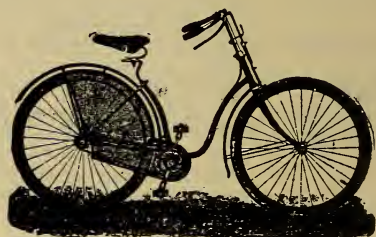
- Class 537. Armored vessels. Battle-ships, rams, cruisers, coast defense ships. Models, designs, drawings, descriptions, specifications, photographs, paintings, etc.
- Class 538. Unarmored vessels. Frigates, sloops and gun vessels, cruisers, dispatch vessels and tenders, torpedo vessels and torpedo boats, sub-marine boats, public vessels, for special service, revenue vessels, surveying vessels, etc. Man-of-war boats, etc. Models, designs, etc.
- Class 539. Ships and boats of war of barbarous and semi-civilized nations. Models, drawings, photographs, etc.
- Class 540. Models and relics of famous ships of war, relics of naval battles, etc.
- Class 541. Training ships, naval schools, naval institutes, naval reserve, etc.
- Class 542. Guns and armor, and adjuncts and appliances of naval warfare (see also Group 113). Guns, armor, torpedoes, small arms for naval use, projectiles and ammunition, fuses, sub-marine mines, methods, devices, fittings or appliances designed for use in naval warfare and coast defense.

WESTERN WHEEL WORKS

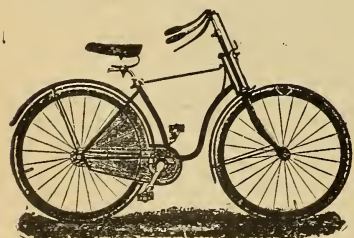
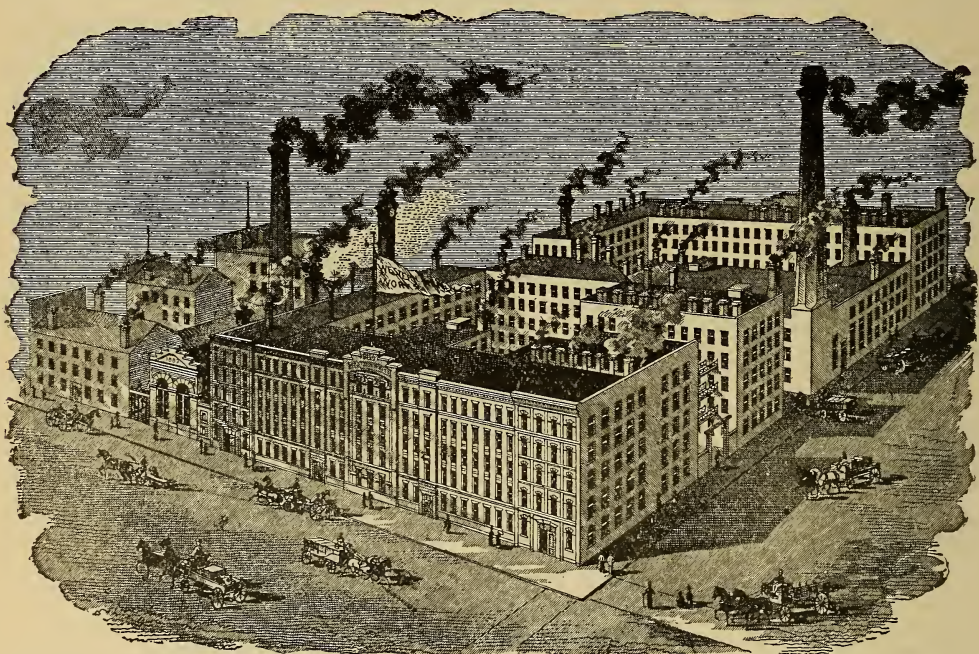
MANUFACTURERS
CHICAGO



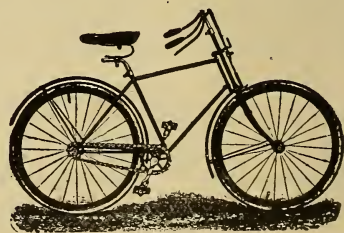
BLACKHAWK.



JUNO.



COMB. JUNIOR.



CINCH.

OFFICE AND WORKS: Wells, Schiller and Sigel Streets, CHICAGO.

Department G.--Transportation--Railways, Vessels, Vehicles.

UNITED STATES.

GROUP 80.

Railways, Railway Plant and Equipment.

1. Acme Railway Appliance Co., Boston. Electric train signal apparatus. M-N-5 500
2. Adams, Frederick U., Chicago. Model of engine, tender and cars. M-N-10 500
3. Adams & Westlake Co., Chicago. Railway car trimmings and lighting appliances. D-7-18 500
4. Alexander, R. E., Forest City, Pa.
 - a Railroad tie. X-N-10 & 11 499
 - b Car replacer. 500
5. Allen, C. O., & Wellman, W. H., Pullman, Ill. Model of combination coach, dining car and sleeper. L-N-11 500
6. Allen Paper Car Wheel Company, Chicago. Paper and metal center wheels. H-S-3 500
7. American Balance Slide Valve Company, San Francisco. Balance slide valve. O-S-3 500
8. American Grain Door Company, Chattanooga, Tenn. Model of box car body. N-N-4 500
9. American Refrigerator Transit Co., St. Louis. Refrigerator car. P-S-5 500
10. American Car, Truck and Supply Co., Chicago.
 - a High speed hand drill. 499
 - b Trucks; coupler; bearings; springs. 500
11. American Nut Lock Company, St. Louis, Mo. Nut locks and track washers. X-N-8 499
- 11a. American Railway Water Co., Chicago. Model of automatic railway water station and pump. M-N-15 500
12. American Steel Wheel Co., Garford, N. Y. Steel car wheels. J-bet. 3-4 500
13. Anglo-American Refrigerator Car Company, Chicago. Refrigerator car. O-N-5 500
14. Arcus, Sinclair, Chicago. Hand-car hoist. M-N-4 499
15. Arms Palace Horse Car Company, Chicago. Cars for horses. P-S-14 & 16 500
16. Ashton Valve Co., Boston, Mass. Locomotive safety valves and gauges. I-N-11 500
17. Austin, F. C., Manufacturing Company, Chicago. Grader, ditcher and ore breaker. A-10 499
18. Automatic Interchangeable Car Coupling Company, Chicago. Car couplers. O-N-3 500
19. Baldwin Locomotive Works, Philadelphia. Locomotives. K-N & K-S, 4 to 14; aisles Q & R; outside. 500
20. Baltimore & Ohio Railroad Co., Baltimore. Historical showing of the development of the railroad and locomotive, R. N. S. & T. 503
21. Barr, J. N., West Milwaukee. Contracting chill, wheels and grinder. H-N-3&4 500
22. Bass Foundry & Machine Works, Fort Wayne, Ind.
 - a Car wheels, car and engine castings. I-S-3 500
 - b Electric motor forgings. 505
23. Bass, J. H., Chicago. Locomotive and car wheels; castings. K-N-1 500
For exhibit see page ---.
24. Bethlehem Iron Company, South Bethlehem, Pa. Steel billet and rail fractures. G-3-Ex-2; K-N, L-8, 1 499
25. Bird, F. W., & Son, East Walpole, Waterproof fabrics for roofing railway cars, etc. M-N-7&8 500
26. Blakely, John & Son, Philadelphia. Thread waste. M-N-6 500
27. Bloomsburg Car Company, Bloomsburg, Pa. Beamless brake car and rotary dump cars. M-S-15 500
28. Boies Steel Wheel Company, Scranton, Pa. Iron wheels; sections of wheels. H-N-4 & I-S-4 500
29. Bogue & Mills Mfg. Co., Chicago. Crossing guards, pneumatic lever and cable crossing gates. (North of annex.) 501
30. Bowen, Emmer, Los Angeles, Cal. Car coupler. O-N-4 500
31. Boyden Brake Company, Baltimore. Air brake equipments for cars and locomotives. X S-2-3 500
32. Brooks, E. J., & Co., New York. Freight car sealing devices. P-S-4 501
33. Brooks Locomotive Works, Dunkirk, N. Y. Locomotives. I-S-19—I-N-18 500
34. Brown's M. C. B., Emergency Link Car Coupler Company. Coupler on trucks. P-S-3 500
35. Buckeye Automatic Car Coupler Company, Columbus, Ohio. Car coupler. P-S-3 500

DEPARTMENT G.—TRANSPORTATION.

36. Bucyrus Steam Shovel & Dredge Co., Bucyrus, Ohio. Shovels; buckets, models and photos. W-N-4-8 499
37. Burnham & Duggan Railway Appliance Company, Boston. Switches, chairs, etc. W-N-3-4 499
38. Burrowes Car Shade Company, Portland, Me. Shades for railway passenger coaches. K-N-bet. 3&4 500
39. Burton Stock Car Company, Boston. Horse and cattle cars. O-N-13-15 500
40. Bush Cattle Guard Company, Kalamazoo, Mich. Cattle guards. Y-S-9-10 499
41. Butler Drawbar Attachment Company, Cleveland, O. Drawbar attachments. O-S-10&11 500
For exhibit see page 824.
42. Campbell, Joseph H., Chicago. X-N-9
a Rail joints and chairs. 499
b Side bearings. 500
43. Canda Cattle Car Company, Chicago. Stock car. O-N-11-12 500
44. Canda Manufacturing Company, Carteret, N. J. Chilled wheels. O-N-10-11 500
45. Carlisle M'f'g Co., Carlisle, Pa. Frogs, switches, crossings, switch stands and track appliances. WS. 8&9 499
46. Chapman Jack Company, Cleveland, O. Jack screws. O-S-10 501
For exhibit see page 824.
47. Chicago Car Seal & Manufacturing Co., Chicago. Car seals, locks, dies, tags, etc. P-S-4 500
- 47a. Chicago, Milwaukee & St Paul Ry. Co., Chicago. A light and heat tender. M-N-12 500
48. Chicago, Burlington & Quincy R R. Co., Aurora, Ill. Dynamometer car. MN 13-14 500
49. Chicago & North-Western Ry Company, Chicago. Locomotive "Pioneer," the first ever run in Chicago. H-S-19 503
For exhibit see page 641.
50. Chicago Railway Equipment Co., Chicago. Metal brake beams. Y-N-4 500
51. Chicago Scale Co., Chicago. Railroad track scale, 60 tons. M-N-9 502
52. Clark, A. H., Company, Chicago. Automatic piston packings. I-S-3 500
53. Clark, E. Warren, Columbia, Tenn.
a Exhibit car. NN. 5 to 7 500
b Locomotive, The "General," captured by "Andrews' Raiders." 503
54. Clarke, F. H., Springfield, Ohio. Safety spring steel car wheel tender. O-N-5 500
55. Cleveland Frog & Crossing Co., Cleveland, Ohio. Switches, crossings and frogs. W-S-4 499
56. Coale Muffler & Safety Valve Co., Baltimore. Locomotive and steam boiler specialties. N-N-3-4 500
57. Coburn Trolley Track Manufacturing Company, Holyoke, Mass. Hangers and fixtures for car doors. L-S-11 500
59. Consolidated Car Heating Company, Albany, N. Y. Car heating and lighting appliances. U-S-1 500
60. Cooke Locomotive & Machine Co., Paterson, N. J. Freight and passenger locomotives. K-N-15-18 500
61. Cosper, W. H., Company, Chicago. Metallic weather strip for cars. P-N-6 500
62. Crane Company, Chicago. Air brakes and material. X-N-4 500
For exhibit see page 486.
63. Crane, Joseph J., Summertown, Tenn. Model of cross tie and securing plate. X-N-9 499
64. Cregier, Dewitt C., Jr., Chicago. Electric train signal. N-S-3 500
65. Culp Wahl M'f'g Co., Columbus, Ohio. Semaphore. YN. 6&7 500
66. Cumberland Valley Railroad Company, Chambersburg, Penn. Relief map of Cumberland Valley. D-4-16 502
67. Cushion Car Wheel Company, Indianapolis, Ind. Car and locomotive wheels and truck. K-N-3 500
68. Deitz, Geo. A., Olden, Mo. Car door, seal lock, etc. M-N-18 500
69. Deitz Draw-Bar Co., Denver, Col. Automatic car couplers. MS. 12&13 500
70. Detroit Bridge & Iron Works, Detroit, Mich. Locomotive turn-table. M-N-16-17 499
71. Detroit Steel & Spring Co., Detroit, Mich. Locomotive, driving trucks, tender counterbalance, connection and tender springs. I-S-12-18 & I-N-11-18 500
72. Dickson Car Wheel Co., Houston, Tex. Car wheels. HN. 3&4 500
73. Drexel Railway Supply Company, Chicago.
a Drills. O-N-1 499
b Car couplers, journal box covers, car replacers, etc. P-S-1 500
74. Duff Manufacturing Company, Allegheny, Pa. Compound lever jacks. (Outside north of Annex.) 501
75. Eastman Freight Car Heater Company, Boston. Refrigerator, heater and ventilator cars. P-S-12-13 500
76. Eclipse Wind Engine Company, Beloit, Wis.
a Railroad water station; track tools. (Outside north of Annex.) 499
b Wrecking frog. 501
77. Elliott Car Company, Gadsden, Ala. Freight car. O-S-15 500
78. Ensign Manufacturing Company, Huntington W. Va. O-N-6-10
a Flat, gondola and cattle cars; car wheels, axles, snow plow, etc. 500
b Car wheel grinding machine and chills. 501
79. Eureka Coupler & Buffer Co., Minneapolis, Minn.
a Rail joint. MS. 13 499
b Steel coupler. 500
80. Ewald Iron Company, St. Louis. Boiler heads; fire-box material. H-N-3-4 500
81. Fairbanks, E. & T., & Co., St. Johnsbury, Vt. Railroad track scale. (Outside north of Annex.) 502
For exhibit see page 769.
82. Fisher, Clark, Trenton, N. J. Rail joints and track jacks. W-N-6 499
83. Fox Solid Pressed Steel Co., Chicago. Flat cars. O-S-4 500
84. Frame, Nathan T., Jamestown, Ohio.
a Railroad rail chairs. X-N-9 499
b Car couplers. 500
85. Frank Brady, Chicago. Railroad tricycle. X-N-8 500

UNITED STATES.

86. French, A., Spring Company, Pittsburg, Pa. M-N & N-S-1-2
a Nut lock and washers. 499
b Elliptic and spiral springs. 500
87. Frosts Veneer Seating Company, New York. D-8-16
a Car ceilings and seats. 500
b Settees, etc., for depots; panels. 501
88. General Electric Company, New York.
a Transfer table motors and controllers in service, etc. Dept. G
b Plans and models of railway structure. Dept. J 499
c Electric locomotives. Dept. G 500
d System of stops and signals (in service Intramural Railway). 501
e System of tickets. (Depot, Intramural Railway.) 502
89. Goodwin, J. M., Chicago. Dump car. Y-S-11 500
90. Gold Car Heating Company, N. Y. Car heating apparatus. U-S-7 500
91. Gordon & Hamilton, Concord, N. H. Automatic side door latches for coal cars. M-N-10-11 500
92. Gould Coupler Company, Buffalo, N. Y. Couplers. O-N-2 & 3 500
93. Gould, Wm. F., Des Moines, Ia.
a Supplies for railway tracks. W-N-8 and 9 499
b Slide valve for steam engines. 500
94. Greer, Howard, & Co., Chicago. Railway track appliances. W-N-6 499
95. Griffin Wheel & Foundry Co., Chicago. Car wheels. Multiple Speed Ry. on pier, Intramural Ry. Dept. J 499
96. Guinn, John A., Perry, Ia. Automatic railway time and danger signal. K-N-3 501
97. Hale & Kilburn Manufacturing Co., Philadelphia. D-3-18
a Railroad station seats. 499
b Railroad car seats, seat springs, folding beds. 500
98. Harlan & Hollingsworth Co., Wilmington, Del. Railway passenger car equipment. O-S-8-15 500
99. Harvey Steel Car & Repair Works, Harvey, Ill. Gondola, box, freight and oil tank cars. O-S-4 to 8 500
100. Heinze, Herman, Chicago. Wall map. D-4-16 503
101. Hicks Stock Car Company, Chicago. Stock car. O-S-11 500
102. Hinson Car Coupler Co., Chicago, Ill. Automatic carcoupler. MS. Bet. 13&14 500
103. Holman, D. F., Chicago. Sketch of railway track laying machine. Wall, opp. X-S 499
104. Howlett, James, Irvington, N. J. Car seals and attachments. N-N-4 500
105. Hunt, C. W., Company, New York. Machinery for handling material. Y-N-8 & Z-S-8 501
106. Hutchins Refrigerator Car Company, Chicago. Refrigerator cars. P-S-7-8 500
- 106a. Illinois Central Railroad Co., Chicago. Locomotive (Mississippi) and tender, built in 1863 and strap rails on timbers. M-N-14 503
107. Industrial Works, Bay City, Mich. Steam cranes. J-2 499
108. Invincible Car Coupler Company, Des Moines, Ia. Mounted car couplers. P-S-3 500
109. Jackson & Sharp Company, Wilmington, Del. Passenger coaches. Q-S-6-7 Intramural R. R. 500
110. Jackson & Wooden, Berwick, Pa., Freight car trucks. C-1 500
111. Jerome, C. C., Chicago. Packing glands, fittings and supplies. O-S-3 500
112. Jervis Spencer Co., Baltimore, Md. Curtain roller for windows of railway cars. KN. 3&4 500
113. Jewett Supply Company, Boston. Car body and truck bolsters; anti-friction device; elevated railway. O-N-3 and Intramural railway 500
114. Johnson R. R. Signal Company, Rahway, N. J. Grade crossing signal. C-6-8 501
115. Jones, Thomas D., Car Construction Co., Chicago. Nut locks and spur locks. OS. 9&10 500
116. Jull Manufacturing Company, Brooklyn, N. Y. Snow excavator M-S-10 500
117. Kalamazoo R. R. Velocipede & Car Co, Kalamazoo, Mich. N-N-10
a Steel surface cattle guard. 499
b Velocipede cars; wheels. 500
118. Keller Printing Company, New York. Railroad tickets, dating machines, cancelling apparatus, ticket sellers. M-N bet. 5 and 6 502
119. Kellogg, R. D., Des Moines, Iowa. Stock guard for railroads. Y-S-9&10 499
120. Keystone Seal & Press Co., New York. Car seal and lock; sealing press. M-N-7-8 500
121. Kilmer M'fg Co., Chicago. Automatic pipe coupler for railway cars. Y-7&8 500
122. King Bridge Company, of Cleveland, O. Photographs of metal bridges and structural work. D-4-15 499
123. King, Charles B., Detroit, Mich., Iron brake beams. P-S-7 500
124. Krehbiel Palace Car Company, Cleveland, Ohio. Parlor, chair and sleeping coaches. P-N-12 500
125. Lehigh Valley R. R. Co., South Bethlehem, Pa. Passenger engine, coach, box and coal car; section of track. 499
126. Leslie Bros. Manufacturing Company, Paterson, N. J. Snow plows. M-S-6-9 500
127. Lima Locomotive & Machine Company, Lima, O. Logging locomotive and car. H-N&I-S-11 500
128. Link Belt Machinery Company, Chicago. Labor saving machinery. Z-7 502
 For exhibit see page 775.
129. Live Poultry Transportation Company, Chicago. Live poultry car. O-S-16 500
130. Marion Steam Shovel Company, Marion, Ohio. Steam shovel, hoisting machinery and ballast unloader. W-N&X-S 499
131. Mason Air Brake & Signal Company, Chicago. Railway air brakes and air train signalling apparatus. Z-S-I-2-3 500
132. Mather's Humane Stock Transportation Company, Chicago. Stock car. O-S-13 500
133. McAndrews, James, Chicago. Journal brasses, locomotive bells, etc. P-S-3 500

DEPARTMENT G.—TRANSPORTATION.

134. **McConway & Torley Co., Pittsburg, Pa.** Passenger platforms and couplers. D-4-17-18 500
135. **McCormick & Schlesinger, Emporia, Kas.** Nut lock. W-N-5 500
136. **McGuire Manufacturing Company, Chicago.** L-S-12&15
a Door for grain freight car. 500
b Automatic switch stand. 501
137. **McKee, Fuller & Co., Catasaugua, Pa.** Steel tired wheels. I-N-3-4 500
138. **McSherry Mfg. Co., Dayton O.** Railroad and lifting jacks. N. past 4 501
139. **Mechanical Manufacturing Company, Chicago.** Bumping posts. J-4 with N. Y. C. R.R. 499
 For exhibit see page 878.
140. **Merchants Dispatch Transportation Company, New York.** Refrigerator car. P-S-5-6 500
141. **Merrill, W. B., & Co., Boston.** Metallic packing. O-S-3&4 500
142. **Merrill-Stevens M'fg Co., Niles, Mich.** Cattle guard Y-S-9 499
143. **Mertsheimer, Frederick, Cheyenne, Wyo.** Car movers. N-S-3 501
144. **Michigan Railway Supply Company, Detroit, Mich.** Brake beams; doors; pressed steel articles. X-N-7&Y-S-7 500
145. **Morison, Geo. S., Chicago.** Model of bridge. D-4 opp. 15 499
146. **Morris Box Lid Company, Pittsburg, Pa.** Journal box lids. M-N-1 500
147. **Morton Safety Heating Company, Baltimore.** Steam car-heater. N-N-13 500
148. **National Car Heating Company, Chicago.** Car heating apparatus. U-S-9 500
149. **National Car Ventilating Company, Chicago.** Ventilated fruit car. N-N-16 500
150. **National Hollow Brake Beam Company, Chicago.** Metal brake beams. Y-N-4 500
151. **National Machinery Co., Tiffin, Ohio.** Rock and ore crusher and working model of same. X-S-9 499
152. **National Malleable Castings Company, Cleveland, Ohio.** Freight car, couplers and castings. O-S-10 500
 For exhibit see page 775.
153. **National Car Coupler Co., Chicago.** Automatic car couplers. O-N-3-4 500
154. **National Railway Spring Company, Oswego, N. Y.** Car springs. O-S-9 500
155. **National Surface Guard Company, Chicago.** Cattle guards. Y-S-8 499
156. **Nelson Morris & Co., Chicago.** Refrigerator car. N-N-17 500
157. **Nevens Flanger Company, Portland, Me.** Box car with flange scraper. I-N-10 500
158. **New Jersey Steel & Iron Co., Trenton, N. J.** Models of railroad bridges; iron and steel construction material. YN. 5&6 499
159. **New York Air Brake Company, New York.** Air brakes. C-1-6 500
160. **New York Car Wheel Works, Buffalo, N. Y.** H-N-3
a Car wheels and axles. 500
b Testing apparatus and machinery for treating chilled articles. I-S-3 501
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. 499
b Motive power and rolling stock. 500
 For exhibit see page 825.
162. **Noble Nut Lock & Washer Co., Pittsburg, Pa.** Nut locks and washers. M-N-1 499
163. **Northern Pacific Railroad Company, St. Paul, Minn.** Cars for exhibit of natural products. P-N-7 500
164. **North-Western Equipment Company, Chicago.** Brake beam, car doors and journal box lid. X-N-7 500
165. **Northwestern Wheel & Foundry Co., St. Paul, Minn.** Cast iron car wheels. HN. 3&4 500
166. **Norton, A. O., Boston.** U-S-3
a Track jacks. 499
b Screw jacks. 501
167. **Nowlin Safety Switch & Signal Co., Chicago.** Switch and signal and model. Y-S-10 501
168. **Odell Automatic Switch Company, Bradford, Pa.** Railway switches. X-N-10 499
169. **O'Hara, J. H., Chicago.** Air brakes. Z-3 500
170. **Old Colony Railroad Company, Boston.** M-N & N-S-5
a Passenger locomotive, coach and coal car. 500
b Locomotive built in 1858; passenger coach built in 1885. 503
171. **Paige Car Wheel Company, Cleveland, Ohio.** Car, engine and tender wheels. M-N, N-S, bet. 3&4 499
172. **Parker, James N., Elkhart, Ind.** Block system of signals. G-N-1 499
173. **Parks, C. Wellman, Troy, N. Y.** Model of track construction. M-N-4 499
174. **Peoria Steel & Iron Co., Peoria, Ill.** Nuts, bolts, etc. C-2-8 499
175. **Pennsylvania Railroad Company, Altoona, Pa.**
a Refrigerator, stock, freight and passenger cars. N-S-12 500
b Suburban station with foot-bridge, etc. Penn. Ry. Bldg. 501
176. **Philbrick, Frank A., Chicago.** Bridge gate. X-N-10 501
177. **Pittsburg Locomotive & Car Works, Pittsburg, Pa.** Locomotives and tenders. I-S&N 500
178. **Pneumatic Gate Company, Chicago.** Railway gates. Y-N & Z-10 501
179. **Positive Lock Washer Company, Newark, N. J.** Nut locks and washers. W-N-8 499
180. **Pope, J. L., Cleveland, Ohio.** Rail joints, steel ties, tackle-blocks and elevated railway. W-S-9 499
181. **Porter, H. K., & Co., Pittsburg, Pa.** Locomotives and steam motor. K-S-15-18 500
182. **Pratt & Letchworth, Buffalo, N. Y.,** Car couplers, brake adjusters and railway castings. O-S-1 500
183. **Price Railway Appliance Company, Philadelphia.** Metallic ties; rail joints; arcade system; tie fastenings. W-S-5-7 499

UNITED STATES.

184. Pullman, A. B., Company, Chicago. Freight car door. O-S-3 500
185. Pullman Palace Car Company, Chicago
a Complete vestibule train. Q-N 500
b Passenger coaches, locomotives, etc. Q-N 500
c Model of town of Pullman, Ill. D-8 503
186. Ramapo Wheel & Foundry Co., Ramapo, N. Y. Boltless steel tired wheels. KN. 15-18; C-1; Q; S-8-15 500
187. Rand, McNally & Co., Chicago. Ticket cases, tickets, punches, baggage checks, maps, etc. D-8-14 502
188. Reese, Henry, Baltimore. Metallic cross-tie. W-N-8 499
189. Re-enforced Rail Joint Company, Boston. Rail-joints. W-N-9 499
190. Rhode Island Locomotive Works, Providence, R. I. Locomotives and tenders. H-N-4-10 500
191. Richmond Locomotive Works, Richmond, Va. Locomotive. H-N-18-19 500
192. Roberts, Throp & Co., Three Rivers, Mich. Hand-cars. N-N-15 500
193. Rodger Ballast Car Company, Chicago. Ballast distributing cars; section of track. W-N-10 500
194. Rogers Locomotive Company, Paterson, N. J. Passenger and freight locomotive engines. H-N-12-1 500
195. Romney, Mrs. Caroline W., Chicago. Foot stove for cars. G-N-3 500
196. Rowell-Potter Safety Stop Company, Boston. Safety stop and block signal system. Intramural Ry. 501
197. Russell Wheel & Foundry Co., Detroit, Mich. Logging cars. L-S-10 500
198. Safety Car Heating and Lighting Company, New York. Car lighting material; heating apparatus. U-S-4 500
199. Safford Automatic Draw Bar Co., Chicago. Automatic link and pin draw bars and models. MS. 13&14 500
- 199½. Sargent Company, The Chicago. Brake shoes and steel castings. P-N-1 & Q-S-1 500
200. Saunders, E., Austin, Texas. Metallic railway tie. W-N-6 499
201. Scarritt Furniture Company, St. Louis. Car furniture. D-8-15 500
202. Schenectady Locomotive Works, Schenectady, N. Y. Locomotives and model. H-S-12-18 500
203. Schoen Manufacturing Company, Pittsburg, Pa. Y-S-6 & X-N-6
a Railroad ties. 499
b Pressed steel articles for cars. 500
204. Schoen Pressed Steel Brake Beam Company, Pittsburg, Pa. Brake beams. X-N-6 500
205. Sellers, Morris, & Co., Chicago. Splice bars, track spike and steel rail. C-2-8 499
206. Sheffield Car Company, Three Rivers, Mich. Light cars for industrial purposes. N-N-13-14 500
207. Sheffield Velocipede Car Company, Three Rivers, Mich. W. ex.
a Hand car, etc. 500
b Automatic railway water crane. N-N-13-14 501
208. Shrague, J. W., Cincinnati, Ohio. Diagram and plan of state-room sleeping car; portable live stock stall. M-N-8 500
209. Shoulder Tie Plate Company, Philadelphia. Shoulder tie plates. W-N-9 499
210. Smillie Coupler & Manufacturing Co., Newark, N. J. Car coupler. P-S-2 500
211. Simplex Car Coupler Co., St. Joseph, Mo. Car coupler. M-S-14 500
212. Standard Lubricator Company, New York. Oiler for journals. N-S-4 500
213. Standard Steel Works, Philadelphia. Steel tires; wrought-iron wheel centers. Dept. E 500
214. Stannard & White, Appleton, Wis. Locomotive engineers' cab seats. O-S-3 500
215. Stephenson, John, Company, New York. Truck for electric railway car. Dept. J 500
216. Sternbergh, J. H., & Son, Reading, Pa. Track bolts, rivets, etc. X-N-11 499
217. Stever Railway Rail Joint Co., Fairfield, Iowa. Rail fastenings. WN. 8&9 499
218. Stilson, A. C., Kendall Creek, Pa. Roller bearings, shaftings, etc. G-N-3 500
219. St. Louis Car Wheel Company, St. Louis. Wheels and castings. I-S-3 500
220. Street's Western Stable Car Line, Chicago. Cattle car. O-N-16 500
221. Streeter-Amet Weighing and Recording Co., Chicago. Weighing and recording device. M-4 502
222. Taylor Iron & Steel Co., High Bridge, N. J. Car wheels and steel castings. HN.; I-S-2 500
223. Terre Haute Car & M'fg Co., Terre Haute, Ind. Chill cast iron wheels for railroad and electric cars. H-N 3&4 500
224. Thatcher Car & Construction Co., New York. Dumping cars. S-3-4 500
225. Tilden, B. E., Company, Chicago. Wrecking frogs and bridge guards. X-N-9 499
226. Trojan Car Coupler Company, Troy, N. Y. Car couplers. O-N-3 500
227. Tryon Investment Company, New York. Boiler scale remover. H-N-19 500
228. Union Bridge Company, New York. Photographs of bridges and model of bridge; eye-bar tests. D-4-16 499
229. United States Car Company, Anniston, Ala. H-N-3-4
a Samples of fractured and bent iron; car axles. 500
b Interlocked shafting. H-N-3 501
230. United States Car Company, Chicago. Refrigerator car. M-S-16 500
231. United States Metallic Packing Company, Philadelphia. Piston-rod and steam packings. O-S-3 500
232. United States Wind Engine & Pump Co., Batavia, Ill. Railway water-station material. (Outside building) 501
233. Verona Tool Works, Pittsburg, Pa. Steel track tools. Y-N-4 499
234. Voigt, F. F., Chicago. Model of track-laying machine. X-S-12 499

DEPARTMENT G.—TRANSPORTATION.

235. Vulcan Iron Works Co., Toledo, Ohio. Steam shovel. X-S-11 499
236. Waddell, J. A. L., Kansas City, Mo. Drawing of lift-bridge. D-4 499
237. Wagner Palace Car Company, New York. Passenger equipment. N. Y. Cent. Ry. Bld. 500
238. Wakefield Rattan Company, Chicago. Railway car seats. D-7-18 500
239. Ward, Montgomery, & Co., Chicago. Graders and scrapers. X-N-12-Y-S-11 499
240. Weeks, George, Oakland, Cal. Models railway rail joints and rail couplings. Z-3 499
241. Wellman Iron & Steel Co., Thurlow, Pa. N-N-1
- a Bridge plates. 499
- b Steel plates for locomotive boilers. 500
242. Western Wheel Scraper Company, Aurora, Ill. Scrapers, road machines, etc. Y-N&Z-1 499
243. Westinghouse Air Brake Company, Pittsburg, Pa. Railway brakes; train signaling apparatus. C-3 500
244. Wheeler, Harris A., Chicago. Car seats and chairs. D-8-17 500
245. Wheeler, Phillip, Branchport, N. Y. Rail-road tie and chair. W-N-8 499
246. Whitney, A., & Sons, Car Wheel Works, Philadelphia, Pa. Chilled cast iron wheels and steel tired wheels; flasks and other apparatus for molding wheels, boxes and pedestals for steam. K-N-3-4 500
247. Wolhaupter, Benj., Chicago. Car brake attachment. N-N-8 500
248. Wuerpel Switch & Signal Co., St. Terminal Railroad. 500
- a Wrecking car. 500
- b Interlocking device and signals. 501
249. Yale & Towne M'fg Co., Stamford, Conn. Locomotive crane. X-S-10 500
250. Young Reversible Lock Nut Company N. Y. Rail joint with locks. W-N-7 499
- GROUP 81.**
- Street Car and Other Short Line Systems.**
251. Anderson, Albert, & J. M., Boston. Electric railway; switches; fixtures. L-N-4 505
252. Baltimore Car Wheel Co., Baltimore, Md. Electric motor truck. R-N-13 505
253. Bass Foundry & Machine Works, Fort Wayne, Ind. Electric motor. I-S-3 505
- For exhibit see pages 360 and 361.
254. Bemis Car Box Company, Springfield, Mass. Truck. 505
- 254a. Boyle & Calleton, Grand Rapids, Mich. Street car motor. Ex. track. 506
255. Brownell Car Company, St. Louis. Street car and appliances. L-S-9 505
- For exhibit see page 777.
256. Burnham & Duggan Railway Appliances Co., Boston. Trolley wire, brackets and insulators. W-N-3 505
257. Burrowes Car Shade Company, Portland, Me. Shades and curtains for electric cars. K-N-bet. 3&4 505
258. California Wire Works, San Francisco, Cal. Rope way in operation, wire and wire rope. L-M-16-18-N-S 504
259. Chicago Naptha Motor Company, Englewood, Ill. Street car motor. Exhibition tracks. 506
260. Columbian Intramural Railway, World's Fair elevated electric railway. World's Fair grounds. 507
261. Curtis Electric Manufacturing Company, Jersey City. Electric street car. Ex. track outside 505
262. Cushion Car Wheel Company, Indianapolis, Ind. Electric motor wheels. H-N-3 505
263. Duplex Street Railway Track Company, New York. Ex. track and track material. K-N-3-4 506
264. Elevated Suspension Electric Railway Company, Chicago. Model of electric suspension railway. A-146-aisle 506
265. Frost's Veneer Seating Company, New York. Street car seats and backs. D-8-16 506
266. General Electric Company, New York.
- a Electric railway equipment. Dept. J. 505
- b Intramural elevated electric railway (in service on the grounds). 507
267. Genett Air Brake Company, Chicago. Air brake equipment. Z-4 505
268. Grier, W. W., Hulton, Pa. Interior car finish. A gal. 3 506
269. Hale & Kilburn Manufacturing Co., Philadelphia. D-3-18
- a Seats for cable cars. 504
- b Seats for electric cars. 505
- c Seats for horse cars. 506
- d Seats for elevated and suburban cars. 507
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-17 504
271. International Register Company, Chicago. Fare registers. K-N-11 506
272. Jervis Spencer Co., Baltimore, Md. Curtain roller for street cars. K-N-3&4
273. Johnson Company, Johnstown, Pa. Street railway appliances. L-M-4-5 506
274. Jones', J. M., Sons, West Troy, N. Y. Street railway cars. L-S-7 505
275. LamoKin Car Works, Philadelphia. Cars; folding car gates, etc. L-N-9-10 506
276. Ludlow, Geo. M., Elgin, Ill. Model of electric car and track. O-N-17 505
277. McAndrews, James, Chicago. Street car castings and gongs. P-S-3 506
278. McGuire Manufacturing Company, Chicago. Motor trucks. L-S-12 505
279. Murray, Jasper, Cleveland, O. Street car brake. L-S-bet-10-11 506
280. New Jersey Steel & Iron Co., Trenton, N. J. Model of elevated railway. N-N-5 507
281. Norton, A. O., Boston. Jacks for street and electric cars. U-S-3 505
282. Parke, Robert A., New York. Compressed air street car. Exhib. tracks. 506
283. Peckham Motor Truck & Wheel Co., Kingston, N. Y. Motor truck and wheels. etc. L-S-16 505

UNITED STATES.

- 284. Porter Tramway Switch Company. Cleveland, O. Railway switch, tracks and motor. L-S-12 505
- 285. Price Railway Appliance Company, Philadelphia. Rail joints; arcade system of sub-structure. W-S-5 506
- 286. Pullman's Palace Car Company, Chicago. Street cars. 2-9 506
- 287. Reliable Manufacturing Company, Boston. Street railway supplies, heater, etc. L-N-15 505
- 288. Robinson Electric Truck & Supply Co., Boston. Radial system. Dept. J 505
- 289. Standard Fireless Engine Company. Chicago. Ammoniacal motor with apparatus. L-N-12 506
- 290. Standard Railway Supply Company, Chicago. Street car stoves and specialties. L-N-6-7 506
- 291. Stephenson, John, New York. L-S-4-6
 - a Cable car. 504
 - b Electric car, tracks and appurtenances. Ex. tracks. 505
 - c Picture of first street car, built in 1831. 506
- 292. St. Louis Car Wheel Company, St. Louis. Street car wheels. I-S-3 506
- 293. Suspension Transportation Company, Boston. Elevated electric system of transportation In service, Dept. G 505
- 294. Taylor Electric Truck Company, Troy, N. Y. Motor trucks for electric cable railways. L-S-18 504 & 505
- 295. Tilden, B. E., Company, Chicago. Motor replacers, wrecking frogs, bridge guards. X-N-9 505
- 296. Trenton Iron Company, Trenton, N. J.
 - a Wire ropes and cables Y&Z-4-5 504
 - b Underground haulage appliances. 507
- 297. Valley, John N., Jersey City, N. J. Model of elevated railway track. W-S-12 507
- 298. Wheeler, Harris A., Chicago. Street car seats. D-8-17 506
- 299. Whitney, A., & Sons Car Wheel Works, Philadelphia. Boxes and pedestals for street cars. 506
- 300. Wharton, Wm., Jr., & Co., Philadelphia. Track material. L-S-3 506

GROUP 82.

Miscellaneous and Special Railways.

- 301. American Car Co., St. Louis. Passenger coaches for sliding railway. Midway Plaisance 508
- 302. Whitney, A., & Sons Car Wheel Works, Philadelphia. Boxes and pedestals for mining cars. 508

GROUP 83.

Vehicles and Methods of Transportation on Common Roads.

- 304. Abresch, Chas., Milwaukee, Wis. Beer wagons. A-9 511
- 305. Acme End Gate Mfg. Co., Chicago. Wagon end gate. A-14 522
- 306. Allen, S. L., & Co., Philadelphia. Steering sleds, coasters. B gal. 517
- 307. Alliance Carriage Co., Cincinnati. Light pleasure vehicles. A-1 516
- 308. American Cycle Co., The, Chicago. Bicycles, etc. F gal. 14 520

- 309. Amesbury Carriage Co., Amesbury, Mass. Pleasure carriages. B-7 515
- 310. Anchor Buggy Co., Cincinnati. Light pleasure vehicles. B-1 516
- 311. Ariel Cycle Mfg. Co., Goshen, Ind. Bicycles. F gal. 12 520
- 312. Armleder, O., & Co., Cincinnati. Delivery wagons. A-6 511
- 313. Atwood, A. H., Chicago. Carriage lamps, harness mountings. B gal. 522
- 314. Aubeuf, F. J., Oneida, N. Y. Hand carts, runners. A-12 509
- 315. Austin, F. C., Manufacturing Company, Chicago. A-10
 - a Dump cart and wagon. 510
 - b Road grader, roller, street sweeper and wagon loader. 511
- 316. Austin, Tomlinson & Webster Mfg. Co., Jackson, Mich. A-8
 - a Farm wagon. 510
 - b Village cart. 516
- 317. Ayers, William, & Sons, Philadelphia. Horse blankets. B-5 523
- 318. Bailey, F. O., & Co., Portland, Me.
 - a Phaeton and surrey. 516
 - b Sleighs. B-6 517
- 319. Bailey, S. R. & Co., Amesbury, Mass. Light pleasure vehicles. B-7 516
- 320. Baker, W. Edwyn, Philadelphia. Wheels and hubs. A gal. 3 522
- 321. Barber Asphalt Paving Co., New York. Traction recording vehicle for roadways. A-5 510
- 322. Barkley, Frank B., Manufacturing Company, Chicago. A-4
 - a Buggy and phaeton. 516
 - b Harness and saddlery goods. Bgal. 523
- 323. Bedloe, Edward, U. S. Consul, Amoy, China. Models of sedan chairs collected for the Exposition. 518
- 324. Bettendorf Tubular Axle Works, Davenport, Iowa. Axles, bolsters, wagon. A-9 522
- 325. Biddle & Smart Co., Amesbury, Mass. Light pleasure vehicles. B-7 516
- 326. Black, Alexander, Toledo, Ohio. Air catcher. PN. 6&7 510
- 327. Boyle & Calleton, Grand Rapids, Mich. Bicycles. A gal. 1 520
- 328. Bowman & Allen, Dayton, O. Tobacco wagon. A-10 511
- 329. Brailly, Phillipe, Bellaire, Ohio. Brake for heavy carriages. B-4 522
- 330. Brewster & Co., New York. Pleasure carriages. B-6 515
- 331. Bridgeport Chain Co., Bridgeport, Conn. Chains. B gal. 523
- 332. Blodgett Mfg. Co., Chicago. Bicycles. A gal. 1 520
- 333. Boston & Lockport Block Co., Boston. Railroad trucks. Gal. E 29 509
- 334. Briggs Carriage Co., Amesbury, Mass.
 - a Large pleasure wagons. B-7 512
 - b Light pleasure vehicles. 516
- 335. Buchholz, H. & Co., Janesville, Wis. Wagonet and wagonet omnibus. B-4 514
- 336. Buckeye Buggy Co., Columbus, Ohio. Light pleasure vehicles. B-3 516
- 337. Buckeye Cart Co., Charleston, W. Va. Light pleasure vehicles. A-1 516
- 338. Buffalo Spring & Gear Co., Buffalo, N. Y. Vehicles in the white. A-12 516

DEPARTMENT G.—TRANSPORTATION.

339. Burg Wagon Co., Burlington, Iowa.
Wagon. A-5 511
340. Bradley Chainless Bicycle Co., Albany, N. Y. Bicycles, etc. A gal. 520
341. Bradshaw Mfg. Co., Boston., Mass. Bicycles. A gal. 1 520
342. Burlington Blanket Co., Burlington, Wis. Horse blankets. A gal. 523
For exhibit see page 687.
343. Butler, L. A., Chicago. Carriage fittings. B gal. 522
344. Central Cycle Mfg. Co., Indianapolis, Ind. Bicycle and parts. A gal. 520
345. Champion Wagon Co., Owego, N. Y. Farm and lumber wagons. A-9 510
346. Checkhook Holdback Coupling Co., Chicago. Couplings. B-10 522
- 346a. Chicago Trace Holder Co., Trace holders. A gal. 4 522
347. Cincinnati Panel Co., Cincinnati, Ohio. Buggy and surrey bodies in the white. A-14 522
348. Clark, A. H., Company, Chicago. Bicycles. A gal. 1 520
349. Clarkson, J. T., & Co., Amesbury, Mass. Pleasure carriages. B-7 515
350. Cleveland Hardware Co., Cleveland, Ohio. Wagon and carriage hardware. B gal. 522
351. Coburn Whip Co., Windsor, N. Y. Whips. B gal. 7 523
352. Colfax Mfg. Co., South Bend, Ind. Light pony vehicles. B-7 516
353. Collins Manufacturing Company, Jackson, Mich. Light pleasure carriages. B-7 516
354. Columbia Cab Co., Decatur, Ill. Baby carriages, stools. B gal. 9 521
355. Columbus Buggy Co., Columbus, Ohio. Light pleasure vehicles. B-5 516
356. Cook Carriage Co., Cincinnati. Light pleasure vehicles. A-2 516
357. Cook, William, New York. Children's carriages. B gal. 521
358. Cork Faced Collar Co., Lincoln, Ill. Horse collars. B gal. 6 523
359. Cowles, C., & Co., New Haven, Conn. Carriage hardware. B gal. 522
360. Crane & Breed Mfg. Co., Cincinnati. Hearses and funeral car. A-4 519
361. Cunningham, Jas., Son & Co., Rochester, N. Y. B-5 515
a Pleasure carriages. 515
b Hearses. 519
362. Currier, Cameron & Co., Amesbury, Mass. Phaetons. B-7 516
363. Currier, Eben N., Amesbury, Mass. Buggy. B-7 516
364. Curley, John, Brooklyn, N. Y. B-4 515
a Pleasure carriages. 515
b Buggy. 516
365. Dann Bros. & Co., New Haven, Conn. Carriage wood work. A-14 522
366. Dalzell Axle Co., South Egremont, Mass. Carriage axles. B gal. 522
367. Dark, Thos. & Sons, Buffalo, N. Y. Garbage wagon. A-7 511
368. Davies Iron Works, Muskegon, Mich. Trucks. A-12 509
369. Davis Carriage Co., Cincinnati. Light pleasure vehicles. A-2 516
370. Denver Manufacturing Company, Denver, Col. Saddles, bridles and quirts. A gal. 523
371. Derby Cycle Co., Chicago. Bicycles and parts. F gal. 2 520
372. Dentler, Frank, & Sons, Parkville, Mich. Pneumatic sulky. B-9 516
373. Dougine, J. T., Chicago. Wagon and truck. A-3 510
374. Donnelly & Deward, Chicago. Safety bicycle. Gal. F-7 520
375. Dunham & Kissinger Bros., Englewood, Ill. Dump wagons. A-7 511
376. Eagle Bicycle Manufacturing Company, Torrington, Conn. Bicycles and pneumatic tires. F gal. 520
377. Eberhard Mfg. Co., Cleveland, Ohio. B gal. 522
a Carriage and wagon hardware. 522
b Saddlery hardware. 523
378. Elbel & Co., Canton, Ohio. Saddlery hardware. A gal. 523
379. Elkhart Carriage & Harness Mfg. Co. Elkhart, Ind. B-8 511
a Milk wagon. 512
b Wagonette. 516
c Light pleasure vehicles. 523
d Harness. 523
For exhibit see page 821.
380. Emerson Fisher Co., Cincinnati. Light pleasure vehicles. A-2 516
381. Empire Cross Spring Co., Janesville, Wis. Large pleasure wagons. A-4 512
382. Enterprise Carriage Mfg. Co., Miamisburg, Ohio. Light pleasure vehicles. B-1 516
383. Favorite Carriage Co., Cincinnati. Light pleasure vehicles. A-2 516
384. Featherstone, A., & Co., Chicago. Bicycles, children's carriages. F gal. 23 520
385. Fenton, J. H., Co., Chicago. Stable accessories. A gal. 523
386. Ferguson, James O., Greenwich. Thill coupling. B gal. 522
387. Fish Bros. Mfg. Co., Racine, Wis. a Lumber gear. A-7 510
b Heavy wagons. 511
388. Fitch Gear Co., Rome, N. Y. Wagon gear. A-14 522
389. Flandreau & Co., New York. B-4 515
a Pleasure carriages. 516
b Wagon. 516
390. Folger & Drummond, Amesbury, Mass. Traps. B-7 515
391. Folger, N. H., Amesbury, Mass. Cutdowner. B-7 516
392. Frazier, W. S., & Co., Chicago. Light pleasure vehicles. B-8 516
393. Freeland & Bradley, Wellsville, N. Y. Carriage poles. A-14 522
394. Freeport Bicycle Mfg. Co., Freeport, Ill. Bicycles and parts. F gal. 11 520
395. Fostoria Buggy Co., Fostoria, Ohio. Light pleasure vehicles. B-7 516
396. Fulton & Walker Co., Philadelphia. Heavy wagons. A-3 511
397. Gallup, S. C., & Frazier, Pueblo, Col. Saddles; cow boys' leather overalls. A gal. 523
398. Ganard, Henry H., Cleveland, Ohio. Pneumatic tire trotting sulky. B-9 516
399. Gellhaus, Nielsen & Pamp, Philadelphia. Snow and ice velocipede A gal. 520

UNITED STATES.

400. Geneva Carriage Co., Geneva, N. Y.
a Wagon. A-3 511
b Wagonette. 512
c Light pleasure vehicles. 516
401. Gendron Iron Wheel Company, Toledo, Ohio. F gal. 4
a Bicycles; tricycles; velocipedes. 520
b Children's carriages; goat sulky. 521
402. Gilliam Mfg. Co., Canton, Ohio. Stable accessories. B gal. 523
403. Glens Falls Buckboard Co., Glens Falls, N. Y. Light pleasure vehicles. B-8 516
404. Gormully & Jeffery Mfg. Co., Chicago. Bicycles and parts. F gal. 20 520
 For exhibit see page 774.
405. Goold, James, Co., Albany, N. Y. Pleasure carriages. B-4 515
406. Grand Rapids Wheelbarrow Co., Grand Rapids, Mich. Wheelbarrows. A-12 509
407. Green, John M. Mfg. Co., Chicago. Harness, stable accessories. A gal. 523
408. Hanaw, F., & Co., Jackson, Mich. Road cart; sulkies. A-3 516
409. Hanimann, Chas., New York, N. Y. Baby carriage brake. B gal. 521
410. Hartford Cycle Co., Hartford, Conn. Bicycles and parts. F gal. 22 520
411. Hartman & Co., Wooster, Ohio. Stable accessories. A gal. 523
412. Herbrand Co., Fremont, Ohio. Carriage hardware. B gal. 522
413. Hickory Wheel Co., Newton, Mass. *a* Sulkies. B-9 516
b Bicycles and parts. F gal. 25 520
414. Hill Cart Co., Chicago, Ill. Road carts. A-1 516
415. Hill, Wm. D., Northwood, N. C. Harness. B gal. 523
416. Hill, Thomas, Jersey City, N. J. Wagon, dumping cart. A-7 510
417. Hollander, Lambert, Amesbury, Mass. Rockaways. B-7 515
419. Hullar Bros., Chicago. Horse collars. A gal. 523
420. Indiana Buggy Company, Elkhart, Ind. Light pleasure vehicles. B-8 516
421. India Rubber Comb Co., New York. Harness trimmings. A gal. 523
 For exhibit see pages 350 and 646.
422. James & Mayer Buggy Co., Cincinnati. Light pleasure vehicles. B-1 516
423. Johnson, F. C., Kishwaukee, Ill. Neck yokes. B gal. 522
424. Johnson Wheel Company, Freeport, Ill. Carriage wheels. A-13 522
425. Joliet Strawbridge Co., Joliet, Ill. Farm wagon. A-9 510
426. Kauffman Buggy Co., Miamisburg, Ohio. Light pleasure vehicles. B-1 516
427. Kauffman Buggy Co., Chicago. Light pleasure vehicles. B-1 516
428. Kentucky Wagon Mfg. Co., Louisville, Ky. Wagons. A-10 510
429. Kent, S. W., Meriden, Conn. Horse-ice calks. B gal. 523
430. Kilbourne & Jacobs Manufacturing Co., Columbus, O. *a* Trucks. A-12 570
b Wheelbarrows. 509
431. Keystone Wagon Co., Reading, Pa. Coal dumping wagons. A-6 511
432. Kiper S., & Sons, Chicago. Stable accessories. A gal. 523
433. Knickerbocker Ice Co., Chicago. Ice and dump wagons. A-8 511
434. Knickerbocker Ice Co., Philadelphia. Ice wagon. A-5 511
435. Kimball, C. P., & Co., Chicago. *a* Pleasure carriages. B-4 515
b Speeding wagon. 516
c Trotting sleigh. 517
d Stable accessories. 523
436. Kimbark, S. D., Chicago. Carriage bodies, spokes and wagon wood. A-11 522
437. Kenwood Mfg. Co., Chicago. Bicycles. F gal. 17 520
438. Krause, R. F., Chicago. Buggy tops. B gal. 522
439. Lansing Wheelbarrow Co. Lansing, Mich. Trucks, wheelbarrows, etc. A-12 509
440. LaPorte Carriage Co., LaPorte, Ind. *a* Coupe rockaway. B-8 515
b Pleasure vehicles. 516
c Sleigh. 517
442. Lighthouse, J. C., Rochester, N. Y. Stable accessories. A gal. 3 523
443. Lozier Mfg. Co., Toledo, Ohio. Bicycles and parts. F gal. 18 520
444. Manville, B., & Co., New Haven, Conn. Pleasure carriages. B-4 515
445. Marion Cycle Co., Marion, Ind. Bicycles. F gal. 3 520
446. McClinchie, Uriah, New York. Baby carriages. A gal. 521
447. McCallum Steel Wheel Wagon Company, Elgin, Ill. Steel wheel wagons. A-5 510
448. McFarland, T. W., Chicago. Carriage tops and side panels. A-1 522
449. McIntosh Huntington Co., Cleveland, Ohio. Bicycles and parts. F gal. 26 520
450. McKinnon Dash & Hardware Co., Buffalo, N. Y. Dashes and fenders. B gal. 522
451. McMurray & Fisher Sulky Co., Marion, Ohio. Sulkies. A-3 516
452. Medina Carriage Company, Medina, O. Pony wagon. B-9 516
453. Melville, John, Buffalo, N. Y. Display horses. With historical ex. 523
454. Merrill-Stevens Mfg. Co., Niles, Mich. Bicycle wheels. F gal. 7 520
455. Metal Stamping Co., New York. Carriage, hardware. B gal. 522
456. Michigan Buggy Co., Kalamazoo, Mich. *a* Pleasure carriages. 515
b Light pleasure vehicles. 516
457. Milburn Wagon Co., Toledo, Ohio. *a* Wagons, trucks. A-7 510
b Buggy. 516
458. Miller Bros., Amesbury, Mass. Break. B-7 512
459. Miller, John A., St. Louis. Wrenches, ratchet drills. B gal. 522
460. Miller-Knoblock Wagon Co., South Bend, Ind. *a* Heavy trucks. A-8 510
b Street sprinkling wagons, beer wagons. 511

DEPARTMENT G.—TRANSPORTATION.

- 460a. Mitchell & Lewis Co., Racine, Wis.
a Farm wagon. A-6 510
b Express wagons. 514
c Light pleasure vehicles. 516
461. Mogul Mfg. Co., New York. Steel springs. A gal. 522
462. Moline Wagon Co., Moline, Ill. A-5
a Farm wagons. 510
b Spring wagons. 516
463. Monarch Cycle Co., Chicago. Bicycles. F gal. 21 520
464. Moore, L. Murray, Rochester, N. Y. Trucks, truck baskets, etc. A-12 509
465. Morrill, Osgood, Amesbury, Mass. Traps. B-7 516
466. Motts, Geo., Washington, D. C. Harness. A gal. 523
467. Neal and Bolser, Amesbury, Mass. Light pleasure vehicles B-7 516
468. Neder & Cleland, Salt Lake City, Utah. Unpainted phaeton. B-9 516
469. New Haven Carriage & Wagon Co., New Haven, Conn. Pleasure carriages. B-3 515
470. Neumann, Rudolph, Unalaska, Alaska, Dog sled, harness and outfit complete for journey. Lower Yukon River. Sea coast sled, outfit complete, Morton Sound. Collected for the Exposition. 517
471. New York Fifth Wheel Co., Brooklyn, N. Y. Fifth wheels. B gal. 522
472. Norwood, J. E. Mfg. Co., Baltimore, Md. Automatic harness and vehicle attachment. B-11 523
473. O'Brien Wagon Co., Lafayette, Ind. Farm wagons. A-10 510
474. O'Connor Hame Fastener Co., New York. Hame fasteners. B-6 523
475. O'Hara, John H., Chicago. Thill couplings. B gal. 522
476. Ohio Spiral Spring Buggy Co., Cincinnati. Light pleasure vehicles. A-1 516
477. Ohl, Geo. D., Milwaukee, Wis. Horse collar. A gal. 523
478. Ortmyer, A., & Son, Chicago. Saddlery. A gal. 523
479. Overman Carriage Co., Cincinnati. Buckboard. A-2 516
480. Overman Wheel Co., Chicopee Falls, Mass. Bicycles. F gal. 10 520
481. Palmer, Chas. A., Amesbury, Mass. Brougham. B-7 515
482. Parry, A. N., & Co., Amesbury, Mass. Break and wagons. B-7 512
483. Peters Dash Company, Columbus, O. Vehicle dashes, fenders, etc. B gal. 522
484. Pope Mfg. Co., Boston. Bicycles and parts. F gal. 23 520
485. Pratt & Letchworth, Buffalo, N. Y. Hames, saddlery, etc. O-S-1&2 523
486. Racine Wagon & Carriage Co., Racine, Wis. A-1&6
a Wagons. 511
b Light pleasure vehicles. 516
487. Ratterman & Luth, Cincinnati. Light pleasure vehicles. B-1 516
488. Read, Wm., & Sons, Boston. Bicycles. F gal. 3 520
489. Remington Arms Co., Ilion, N. Y. Bicycles and parts. F gal. 2 520
490. Risser, A. F., Co., Chicago. Saddlery. A gal. 523
491. Rochester Shaft Support Co., Rochester, N. Y. Shaft support. B gal. 522
492. Rochester Wheel Co., Rochester, N. Y. Vehicle wheels and parts. A-11 522
 For exhibit see page 826.
493. Rock Falls Mfg. Co., Sterling, Ill. Hearses and cars. A-4 519
494. Rouse-Duryea Cycle Co., Peoria, Ill. Bicycles and parts. F gal. 15 520
495. Rouse, Hazard & Co., Peoria, Ill. Bicycles and parts. F gal. 16 520
 For exhibit see page 1000
496. Rowell, Saml., & Son, Amesbury, Mass. Traps. B-7 516
497. Rowland, Wm., & Harvey, Philadelphia. Vehicle springs. B gal. 522
498. Royal Cycle Works, Marshall, Mich. Bicycles and parts. F gal. 7 520
499. Rubber Step Mfg. Co., Exeter, N. H. Carriage steps. B gal. 522
500. Safety Halter Company, Chicago. Safety halter, rope and street tie rope. B gal. 4 523
501. Sargent, D. F., & Son, Geneseo, Ill. Road carts. A-1 516
502. Sargent Mfg. Co., Muskegon, Mich. Wheels, rolling chairs. A gal. 521
503. Sayers & Scovill, Cincinnati. A-4
a Buggies. 516
b Hearse and cars. 519
504. Schaefer & Schlegel, Rochester, N. Y. Carriage and hearse trimming. A gal. 522
505. Schwitter, Fred, Allegheny, Pa. Milk wagon. A-6 510
506. Schuttler & Hotz, Chicago. A-5
a Wagon and cart. 510
b Special purpose wagons. 511
507. Sechler, D. M., Carriage Co., Moline, Ill. Light pleasure vehicles. B-2 516
 For exhibit see page 816.
508. Sechler & Co., Cincinnati. Light pleasure vehicles. A-2 516
509. Seeman, Henry & Son, Durham, N. C. Vehicle with wooden springs. B-4 516
510. Sheldon Axle Co., Wilkes-Barre, Pa. Carriage axles. B gal. 522
511. Sercombe-Bolte Mfg. Co., Milwaukee, Wis. Bicycles and parts. F gal. 5 520
512. Shepard, H. G., & Sons, New Haven, Conn. Carriage wood work. A-14 522
513. Shiels, John H., & Co., Amesbury, Mass. Phaeton. B-7 516
514. Simonds Rolling-Machine Co., Fitchburg, Mass. Rolled-forged steel specialties. A gal. 1 522
 For exhibit see page 812.
515. Smith, H. B., Machine Co., Smithville, N. J. Bicycles. A gal. 520
516. Smith, H. D., & Co., Plantsville, Conn. Vehicle hardware. A gal. 522
517. Spalding, A. G. & Bros., Chicago. Bicycles and accessories. F gal. 12-13 520
518. Standard Car Coupling Co., New York. Car couplings, etc. N-N-3 500
519. Standard Wagon Co., Cincinnati. Light pleasure vehicles. A-2 516
520. Stearns, E. C., & Co., Syracuse, N. Y. Bicycles. F gal. 520
521. Stender, G. F. G., Chicago. Harness. A gal. 523
522. Stewart, Walter G., Reading, Pa. Dumping wagon. A-3 511

UNITED STATES.

523. **Staver & Abbott Mfg. Co., Chicago.**
Light pleasure vehicles. B-3 516
For exhibit see page 822.
524. **St. Louis' Carriage Mfg. Co., St. Louis.** Light pleasure vehicles. B-2 516
525. **Stokes Mfg. Co., Chicago.** Bicycles and parts. F gal. 6 520
526. **Stone, C., & Sons, Chicago.** Pleasure carriages. B-4 515
- 526a. **Stoughton Wagon Co., Stoughton, Wis.**
a Wagons. A-8 510
b Bob sleigh. 517
527. **Streich, A., & Bro., Oshkosh, Wis.**
a Trucks and carts. A-9 510
b Special purpose wagons. 511
c Log sled. 517
528. **Studebaker Bros. Mfg. Co., Chicago.** Pleasure carriages. B-6 515
529. **Studebaker Bros. Mfg. Co., South Bend, Ind.**
a Wagons and carts. B-6 510
b Pleasure carriages. A-8 515
c Light pleasure vehicles. 516
530. **Stutz & Walker, Goshen, Ind.** Buggies. A-3 516
- 530a. **Taylor & Lawton, Denver, Col.** Carriage and wagon wheels. B gal. 522
531. **Taylor, S., & Co., Chicago.** Track harness; horse boots. A gal. 523
532. **Toledo Display Horse Co., Toledo, Ohio.** Display horses, etc. A gal. 523
533. **Trott Mfg. Co., Chicago.** Surcingles. B gal. 523
534. **Troy Buggy Works Co., Troy, Ohio.** Light pleasure vehicles. B-8 516
535. **Turnbull & Co., Newark, N. J.**
a Coach. 515
b Hearses. 519
536. **United States Whip Co., Westfield, Mass.** Whips and lashes. Gal. A 523
537. **Wakefield Rattan Co., Chicago.** Children's carriages. B gal. 8 521
538. **Walborn & Riker, St. Paris, Ohio.** Pony vehicles. B-2 516
539. **Wapakoneta Wheel Co., Wapakoneta, Ohio.** Wheels and materials. A-13 522
540. **Warwick Cycle Manufacturing Company, Springfield, Mass.** Safety bicycles. F gal. 7 520
For exhibit see page 633.
541. **Watson, D. S., Canastota, N. Y.** Dumping wagon. A-7 511
542. **Wayne Sulkyette & R. C. Co., Decatur, Ill.** Light pleasure vehicles. A-1 516
543. **Webber Wagon Co., Chicago.**
a Special purpose wagons. A-9 511
b Mountain wagon. 512
c Bob sleigh. 517
544. **Western Wheel Works, Chicago.**
a Bicycles. A gal. 2 520
b Wheel chairs; childrens' carriages. 521
For exhibit see page 790.
545. **Western Wheeled Scraper Company, Aurora, Ill.** Wheelbarrows. Y-N&Z-12 509
546. **Weston & Wells Mfg. Co., Philadelphia.** Vehicle fittings. B gal. 522
547. **Wilcox & Howe Co., Birmingham, Conn.** Vehicle hardware. B gal. 522
548. **Williamson, A. McIntosh, Philadelphia.** Rubber cushioned wheel. B gal. 522
549. **Wilson, Myers & Co., New York.** Bicycles and parts. F gal. 8 520

550. **Winans, Pratt & Co., Kalamazoo, Mich.** Light pleasure vehicles. A-4 516
552. **White Mfg. Co., Bridgeport, Conn.** Carriage lamps and mountings. B gal. 522
553. **Whitman Agricultural Co., St. Louis.** Trucks, wagons and cars. X-N & Y. S. Post 12 509
554. **Whitman Saddle Co., New York.** Equestrian goods. A gal. 523
555. **Whitney, Russell M., Olean, N. Y.** Black birch wagon hubs. A-11 522
556. **Woodhull, Morris, Dayton, O.** Jump seat surrey. B-8 516
557. **Woods, Wm. J., Cold Spring, on-Hudson, N. Y.** Whiffletree coupling. B gal. 522
558. **Yost Mfg. Co., Toledo, Ohio.** Bicycles. A gal. 6 520

GROUP 84.

Aerial, Pneumatic and Other Forms of Transportation.

559. **Barre Cash & Package Carrier Co., Mansfield, Ohio.** A gal. 524
a Pneumatic tubes. 524
b Carriers, money changer. 525
560. **Bostedo Package & Cash Carrier Co., Chicago.**
a Pneumatic tubes. 524
b Store service carriers. 525
561. **Burdett & Rowntree, Chicago.** Mechanism for operating elevator doors. D-4-16 527
562. **Coburn Trolley Track Manufacturing Company, Holyoke, Mass.** Carrying track for overhead tramways. L-S-18 505
563. **Crane Elevator Company, Chicago.** Elevators and passenger machines. Dept. F 527
564. **Cregier, Dewitt C., Chicago.** Electric elevator. E-5-26 527
565. **Mansfield Cash & Package Carrier Co., Mansfield, O.** Cash and package carrier. A gal. 525
566. **McEachran, Andrew, Fitchburg, Mass.** Elevator. F gal. 7 527
567. **Miles Pneumatic Tube Company, Boston.** D-12-24
a Pneumatic parcel, cash and mail tubes. 524
b Pneumatic elevators. 527
568. **Morse, Williams, & Co., Philadelphia.** Passenger elevator. D-14-17 527
For exhibit see page 815.
569. **Otis Bros., & Co., New York.** Hydraulic, electric and steam elevators. D-4 Central towers and Exposition Buildings. 527
For exhibit see page 238.
570. **Smith Pneumatic Transfer and Storage Co., Chicago.** Pneumatic machinery for conveying grain, etc. Y-N-11 502
571. **Standard Screw Elevator Manufacturing Company, Baltimore.** Elevator. C-2-11 527
572. **Standard Store Service Co., Freeport, Ill.** Cash and package carriers. F gal. 7 255
573. **Smith-Hill Foundry and Machine Co., Quincy, Ill.** Elevators. C-7 527
574. **Swezey, Moses Clarke, New Haven, Conn.** Cash carriers. F-14 525

DEPARTMENT G.—TRANSPORTATION.

575. Trenton Iron Company, Trenton, N. J. Hoisting and conveying appliances and tramways. Y & Z-4 527
- GROUP 85.**
- Vessels, Boats—Marine, Lake and River Transportation.**
576. Allen, F. S., Cuttyhunk, Mass. Life boat. E gal. 46 534
- 576a. American Publishing Co., Hartford, Conn. Water color paintings of war vessels, U. S. Navy.
577. American Ship Windlass Co., Providence, R. I. Windlasses, capstans models, etc. D-12-23 531
For exhibit see page 826.
578. American Steel Barge Company, Superior, Wis. Gal. E-41
- a Barges. 528
- b Models of steamers. 529
- c Photographs. 530
- d Anchor. 532
579. Anderson, James A., Summit, Ohio. Full rigged ship and half models of brig and schooner. Gal. 47 528
580. Ashton Valve Co., Boston, Mass. Marine safety valves and gauges. I-N-11 531
581. Bannister, Ed., U. S. Consul, St. Paul de Loando, Africa. Bimba or log canoe; Donga or dug-out, with equipment used by fishermen of Loanda. Collected for the Exposition. E gal. 528
582. Batcheller, G. W., New Holstein, Wis. White birch canoe. 528
583. Bath Iron Works, Bath, Me. Windlasses, capstans, appliances. D-12-24 531
584. Bedloe, Edward, U. S. Consul, Amoy, China. Models illustrating water transport in China. Collected for the Exposition. E gal. 33 528
585. Beeson, H. C., Detroit, Mich. Marine directory. E gal. 29 534
586. Blanchard Bros., Yarmouth Me. Model of ship "Admiral." Gal. 35 528
587. Blodgett Mfg. Co., Chicago. Treadle power boat. E gal. 43 529
588. Boston & Lockport Block Co., Boston. Blocks, pumps, hoists. E gal. 29 532
589. Boyle & Calleton, Grand Rapids, Mich. Engines and launch. D-9-23 529
590. Brooks, John B., Waysata, Minn. Sail boat model. E gal. 25 528
591. Buess, Fred D., Meriden, Conn. Picture of S. S. "Elbe" in human hair. E gal. 39
592. Cape Ann Anchor Works, Gloucester, Mass. Anchors. E gal. 42 532
593. Carlton, Norwood & Co., Rockport, Me. Model of ship "Fred'k Billings." Gal. 35 518
594. Carpenter, Geo. B., & Co. Sails and sailmaking. E gal. 42 532
595. Cassidy, A. B., Washington, D. C. Steam yacht design. E gal. 35 529
596. Century Co., New York. Drawings of modes of transportation. E gal. 36 536
597. Chase Elevator & Manton Windlass Co., Warren, R. I. Vessel equipment models. D-12-22 532
598. Chesapeake & Ohio Steamship Co., Cincinnati. Models of iron steamships. E gal. 33 529
599. Chicago Ship Bldg. Co., Chicago. Ship models and pictures. E gal. 33 528
600. Clark, Edward S., Boston. Steam launches; engines; boilers; propeller wheels and power-plants, on launches in lagoons. 529
601. Coleman's Walter, Sons, Providence, R. I. Vessel and tackle. E gal. 42 528
602. Coston Night Signals, New York. Marine night signals. E gal. 39 534
603. DeGrauw, Aymar & Co., New York. a Boat oars. E gal. 30-31 532
b Bunting flags. 536
604. Detroit Boat Works, Detroit, Mich. a Models of boats. D-1-22 528
b Steam and electric launches. 529
c Marine hardware. 532
d Life boat and raft. 534
605. Drein, Thos., & Son, Wilmington, Del. Life boats and raft. D-1-24 534
606. Dunning James, Bangor, Me. Model of bark "Gold Hunter." E Gal. 35 528
607. Duryea, C. E., Springfield, Mass. Gasoline launch. D-16-22 529
608. Electric Launch & Navigation Co., New York. Electric launches (50). (In service on lagoons.) 529
609. Elmes, Chas. F., Chicago. Engines. Steam launch Chicago 529
610. Emmons, Lieut. Geo. T., U. S. Navy, Sitka, Alaska. Tlingit canoe. Collected for the Exposition. E gal. 29 528
611. Essex Institute & Peabody Academy of Science, Salem, Mass. E gal. 32
- a Drawings of ships. 528
- b Photos of exhibits, nautical instruments. 536
612. Farrin, G. H., Richmond, Me. Model of ship "Ocean Wave." E gal. 35 528
613. Foster, Hickman E., Decatur, Ill. Boat detaching apparatus. E-Gal. 46 528
614. Gas Engine & Power Co., New York. Naphtha launches. D-5-22-23 529
615. General Electric Company, New York. a Electric motors, controllers, etc.; dynamos for marine work; electrical system for ships. (In service and in Electric Building.) 531
b System of signaling. 534
616. Gerrish, E. H., Bangor, Maine. Canvas canoes and boat. E gal. 41 528
617. Glass, Wm., & Sons, Philadelphia. Single scull shell. E gal. 32-33 528
618. Globe Iron Works Co., Cleveland, Ohio. D-12-23
- a Steamship model. 529
- b Steam windlass and engine. 531
619. Harcourt's, J. F., Son, Cincinnati. Tackle blocks. E gal. 42 532
620. Harlan & Hollingsworth Co., Wilmington, Del. Vessel models and pictures. D-5-22-24 529
621. Harper & Bros., New York. Transportation subjects illustrated. E gal. 31 536
622. Hoboken Ferry Co., Hoboken, N. J. Model of a ferry-boat, and boat containing the original engine and boilers of the first twin screw steamboat ever built. E gal. 28 529

UNITED STATES.

623. Hogan, T., & Sons, New York. Ocean steamship model. E gal. 34-35 529
624. Hunt & Stowe, Old Town, Maine. Birch and canvas canoes. E gal. 43 528
625. Hussey, Geo. B., Providence, R. I. Life rafts. E gal. 42 534
626. International Navigation Co., Philadelphia. Full-sized section of steamers. D-9-23 529
627. Johnston, P. D., Chicago. Model of ocean steam yacht. YS. 4&5 529
628. Kahnweiler, David, New York. Life saving appliances. D-12-22 534
629. Kane, Thos. & Co. Chicago. D-5-24
- a Yachts, boats and canoes. 528
- b Steam and electro-vapor launches. 529
- c Boat fittings. 532
630. Kirk, Arthur, Pittsburg, Pa. Navigation lock, for use in ascending rapids, rivers, etc. Dept. D 530
631. Laughlin, Thomas, Company, Portland, Me. E gal. 42
- a Steerers, wheels; windlasses. 531
- b Tackle blocks, marine hardware and anchors. 532
632. Levy Robert, Constantinople, Turkey. Caique used on the Bosphorus and Golden Horn. Collected for the Exposition. D-6-21 528
633. Link Belt Engineering Co., Philadelphia. Automatic discharge barrel elevator, continuous bucket coal elevator and continuous coal conveyor. F-7 527
634. Loring, Giles, Yarmouth, Me. Model of bark "Onaway." Gal. 35 528
635. Maryland Steel Co., Sparrow's Point, Md. Models of ships, ship appliances and photographs. Gal. E-41 529
636. McAdams, John, & Sons, Brooklyn, N. Y. Working models of marine brake. E gal. 43 531
637. McBean, Edge & Co., Buffalo, N. Y. Vessel signal and anchor lights. E gal. 42 534
638. McDonald, John, Bath, Me. Model of ship "Henry B. Hyde." E gal. 35 528
639. Meeker, Ellis, R., Chicago. Steam launches. Lagoons and lake 529
640. Merrill's, R., Sons, New York. Compasses and binnacles. E gal. 42 531
641. Metcalf, Damariscotta, Me. Models of ships "Ocean Herald," "Flying Scot" and "American Union." E gal. 35 528
642. Minott, C. V., Phippsburg, Me. Model of ship "St. Mary." E gal. 35 528
643. Morse & Co., Bath, Me. Model of steamer "B. W. Morse" and barge "Independent." E gal. 35 528
644. Meaney, John, Boston. Race boat equipment. E gal. 46 532
645. Morris, B. N., Veazie, Maine.
- a Boats and canoes. E gal. 45 528
- b Boat equipment. 532
646. Neumann, Rudolph, Unalaska, Alaska. Hatch bidarka (skin canoe) complete—Aleutian Islands. Bydarka and outfit of hunting sled, paddles, etc.—Morton Sound. Birch bark canoe (outfit complete), double birch bark canoe (outfit complete) and toboggan sled—Upper Yukon River. Collected for the Exposition. E gal. 28 528
647. New England Company, Bath, Me. Models of steamer "Sappho" and steam yacht "Sagamore." E. gal. 35 529
648. New York State, Albany. E gal. 36-39 529
- a Photos, of steamer and tow on Erie Canal and Hudson River.
- b Relief map of canal system of State, model of lengthened lock on Erie canal, model of original lock built at Little Falls, N. Y., in 1795, wall map showing water route from Duluth to New York, photos of aqueducts, etc. 530
649. Newport News Shipbuilding & Dry Dock Co., Newport News, Va. E gal. 30
- a Model of steamers. 529
- b Model of shipbuilding plant. 530
650. New York & New Jersey Sandy Hook Pilots, New York. Model of pilot boat; pictures of phases of pilots' service at sea. F gal. 26 528
651. Nicaragua Canal Construction Co., New York. Plan in relief of the Nicaragua Canal. E gal. 43 530
652. Nye, Rockland, Me. Model of ship "Young Mechanic." E gal. 35 528
653. Old Colony Steamboat Co., Boston. Steamer models. D-6-21 529
654. Osgood & Co., Waldoboro, Me. Model of schooner "Gov. Ames." E gal. 35 528
655. Pain, Jas., & Sons, New York. Pyrotechnics for ships' use. E gal. 42 534
656. Peabody, Henry G., Boston. Photographs of U. S. naval squadron and yachts. E gal. 33-34 528
657. Porter Joseph, Freeport, Me. Model of schooner "Dash" (privateer). E gal. 35 528
658. Poulsen, N. C., Chicago. Paintings of vessels, etc. E gal. 36 528
659. Pratt & Letchworth, Buffalo, N. Y. Propeller wheels and marine castings. O-S-1 531
660. Providence & Stonington Steamship Co., New York. Models and pictures of steamboats. E gal. 27 529
661. Rice & Whitacre M'f'g Co., Chicago. Engine. Launch Atlantic 529
662. Richards, David, Chicago. Sailing model of seagoing racing yacht. E gal. 26 528
663. Richardson, Chas. N., Gloucester, Mass. Steerers. E gal. 43 531
664. Rogers, William, Bath, Me. Model of ship "Gov. Robie." E gal. 35 528
665. Rooke, George, Emporia, Kansas. Working steam models of boats without bows. E gal. 46 529
666. Rushton, J. H., Canton, N. Y. E gal. 31-32
- a Row and sail boats; canoes. 528
- b Fittings for small boats. 532
- For exhibit see page 878.
667. Safety Car Heating & Lighting Co., New York. Gas buoys. J-3 534
668. Sewall, A., & Co., Bath, Me. Model of ship "Rappahannock." E gal. 36 528

DEPARTMENT G.—TRANSPORTATION.

669. Sheild, F. W., Hampton, Va. Gang plank. E gal. 34 531
670. Siamese Commission. Models of vessels and boats. E gal. 26 528
671. Sintz Gas Engine Co., Grand Rapids, Mich. Marine gasoline engine. D 15-24 529
672. Skolfield Bros., Brunswick, Me. Model of ship "Sam'l Skolfield." E gal. 35 528
673. Smith & Stanton, New York. Drawings of steam vessels. E gal. 30 529
674. Soule, Horace, Freeport, Me. Models of ships "Suliot" and "Tam O'Shanter." E gal. 35 528
675. State of New York. Photograph of yacht "Racquette" on Erie canal. E gal. 37 528
676. State Historical Society of Wisconsin, Madison, Wis. Old fur trade bateau. E gal. 35 536
677. Stewart & Binney, Boston.
a Sail boat models. E gal. 36-38 528
b Steam yacht models. 529
678. Stratford, Geo., Oakum Co., Jersey City, N. J. Oakum. E gal. 46 532
679. Summers, Jas. C., New York. Yacht record book, lithographed yacht flags. E gal. 27 536
680. Sunden, Jno., Menekaunee, Wis. Miniature full-rigged vessel. E gal. 29 528
681. Taylor, Charles Edwin, St. Thomas, Danish West Indies. Model of the Island of St. Thomas. Gal. E-40 534
682. Tisdale, W. B., Peru, S. A. Balsa from Lake Titicaca, Peru. Collected for the Exposition. E gal. 30 528
683. Truscott, Boat Manufacturing Co., St. Joseph, Mich. D-13, col 21
a Sail and row boats. 528
b Launches. 529
684. Tucker, R. H., Wiscasset, Maine.
a Models of vessels. E gal. 45 528
b Models of barges. 530
685. Union Hardware Company, Torrington, Conn. Tackle blocks, marine hardware, etc. 5 E gal. 42 32
686. Union Iron Works, San Francisco. Model of works and ship yard. E gal. 44-46 530
 For exhibit see page 778.
687. Venetian Gondola Co., Chicago. Gondolas and barges. (On lagoon) 528
688. Wallace, George H., Consul-General, Melbourne, Australia. Bark canoe from Lake Tyers, Australia. Collected for the Exposition. E gal. 31 528
689. Webb, Beavor, J. New York. Models of yachts. E gal. Col. 27 529
690. Wellman Iron & Steel Co., Thurlow, Pa. Ship plates. N-N-1 532
691. White, H. W., Yanktown, S. Dak. Propeller for water craft. E gal. 45 531
692. Wilcox, Crittenden & Co., Middletown, Conn. Marine hardware. E gal. 42 532
693. Wilkstrom, E. A., Momence, Ill. Boat from Hammerfest, Norway. E gal. 34 528
694. Williams, Chas. K., & Co., Easton, Pa. Ship anchors. D-15-24 532
695. Williamson Bros., Philadelphia. Steering and hoisting engines. D 12-24 531
696. Woolfolk, Alex. M., Chicago. Canal excavator. (West wall, Annex.) 530
697. World's Columbian Exposition. Series of twelve pastels illustrating ships of the American merchant marine from 1792 to the present time. E gal. 34

GROUP 86.

Naval Warfare and Coast Defense.

698. Bedloe, Edward, U. S. Consul, Amoy, China. Full rigged models illustrating water transport on Chinese waters. Collected for the Exposition. E gal. 33 539
699. Bethlehem Iron Co., South Bethlehem, Pa. Armor, guns and forgings, ingots, torpedo. K-N, L-8, 7 542
700. Dudley, Dana, Lynn, Mass. Pneumatic dynamite gun. D 15-23 542
701. Emmons, Lieut. Geo. T., U. S. Navy, Sitka, Alaska. Red cedar haida canoe. Collected for the Exposition. E gal. 27 539
 D 15-24 542
702. Hotchkiss Ordnance Co., Providence, R. I. Implements of war and defense. J-1 542
703. Wildman, Rounseville, U. S. Consul. Models of Malay boats and vessels (collected for the Exposition). E gal. 43 528

Monon Railway.

For exhibit see page 638.

Safety Insulated Wire & Cable Co.,

New York. Wire and cables.

For exhibit see page 685.

Ames & Frost Co., Chicago, Ill. Bicycles.

For exhibit see page 819.

AUSTRIA.

GROUP 80.

1. Ringhoffer, F., Smichow, near Prag.
Photos of passenger and freight cars. 500

GROUP 83.

2. Armbruster, S., Vienna. Pleasure
carriages. 515
3. Broziks, John W., Pilsen (Bohemia).
Pleasure carriages. 515

4. Leckel, Hans, Vienna. Patented sad-
dle. 523
5. Lohner, Jacob, & Co., Vienna. Pleas-
ure carriages. 515
6. Pavlovic, Luigi, Trieste. Whipstocks.
523

GROUP 85.

7. Skoda, E., Pilsen (Bohemia). Pro-
peller. 529

BELGIUM.

GROUP 80.

1. Legrand, Achille, Mons.
a Rails. 499
b Rolling stock. 500
2. Luyers, Charles, & Co., Brussels.
Railway brake. 500
3. Petitjean, Joseph, Angleur-Renory.
Bolt and nut. 499
4. Société anonyme de Baume & Mar-
pent; Haine-Saint-Pierre. Wheels and
axles. 500
5. Wasterlain, Jules, Malines. Car
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9. Vermeire, Marcel, Hamme. Ship's
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1. Andrews, Jno. S., Milltown, N. B. Car
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2. Canadian Pacific Ry. Co., Montreal.
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b Locomotive and train of cars. 500
3. Central Bridge Co., Peterboro, Ont.
Cattleguards. 499
4. Gray, Andrew G., St. John, N. B.
Door for box car. 500
5. Hammond, O. S. & W. R., Parkdale,
Ont. Car coupler. 500
6. Heard, Thomas, St. Thomas, Ont.
Car coupler. 500
7. Harris, J., & Co., St. John, N. B.
Car axles, bolsters, etc. 500
8. Jones, F. Newhall, St. John, N. B.
Car coupler. 500
9. Montreal Car Wheel Co., Montreal.
Chilled car wheels. 500
10. Piper, Noah L., & Son, Toronto.
a Semaphores, gates, lamps, etc. 499
b Headlight. 500

11. Public Railroad Bureau. Maps, tables
and photos of railroad lines, bridges, tun-
nels, etc. 499
12. Reid, Edwin B., Barrie, Ont. Car
coupler. 500
13. Starkey, Wm. & Jas., Moncton, N.
B. Car coupler. 500
14. St. Thomas Car Wheel Co., St.
Thomas, Ont. Car wheels and axles.
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15. Vessot, & Co., Joliette, Que. Lubri-
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2. Daimler Motorenengesellschaft, Cannstatt. Motor brake. 500
3. General Direktion der Gororsherzogtl Badischen Haatsusenbahuen Harlsruhe. The drawings of the "Hoellen Hal" railroad, tooth racks, locomotives and cars. 500
4. Heyn, J., Stettin. Drawing; automatic safety valve, etc. 500
5. Henschel & Sohn, Cassel. Locomotive. 500
6. Krupp, Friedrich, Essen. Car wheels, etc. 500
7. Hausshaelter, Hugo, Dresden. Speed register for locomotives. 501
8. Lueders, Heinrich, Brunswick. Automatic contrivance for railroad signals and switches. 501
9. Maschinenbau Aktiengesellschaft Nurnberg vorm Klett & Co., Nuremberg.
 - a Album of photos of constructions. 499
 - b Model of train. 500
10. Mueller, Edmund & Mann, Charlottenburg near Berlin. "Mannocitin," a preventive against rust. 499
11. Phoenix Aktiengesellschaft fuer Bergbau und Huettenbetrieb, Saar. Constructions of iron and steel. 499
12. Redaktion des Archivs fuer Eisenbahnwesen, Berlin. Railway literature. 503
13. Reichseisenbahnamt, Berlin. Statistics and publications. 503
14. Royal Prussian State Railway Management, Berlin.
 - a Models, photographs of railroad plants, etc. 499
 - b Operating system. 501
15. Schichau, F., Elbing. Locomotive and tender. 500
16. Siemens & Halske, Berlin. Safety apparatus for railway systems. 501
17. Union Aktiengesellschaft fuer Bergbau, Eisen und Stahlindustrie, Dortmund. Constructions of iron and steel. 499
18. Wepfer, Gustav, Wasseralfingen. Railway viaduct. 499
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 - b Invalids' rolling chairs. 521
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28. Institute of British Carriage Manufacturers, London. A collection of models, paintings, drawings and engravings of all types of coaches, chariots and other vehicles and parts of same, in use at different periods, illustrating the progress of invention and improvement in carriage building, specimens of heraldry paintings, engravings and lithographs of Indian and other modes of transport, caricatures of English and Irish methods of traveling. Entresol 51
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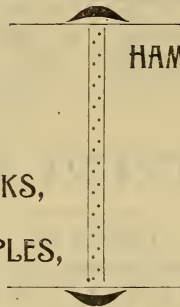
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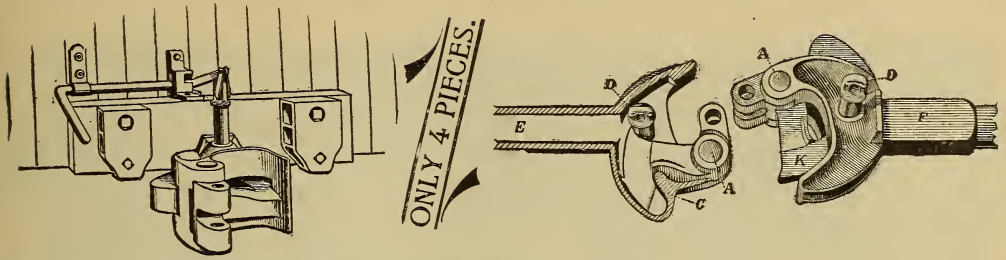
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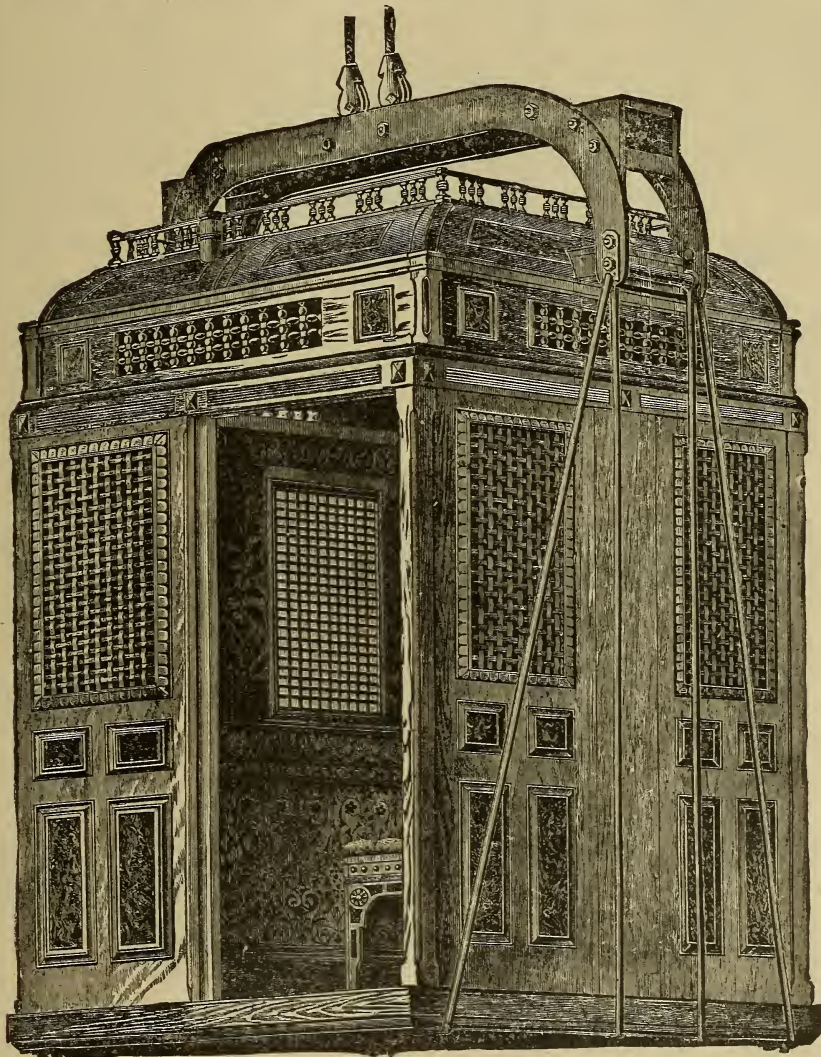
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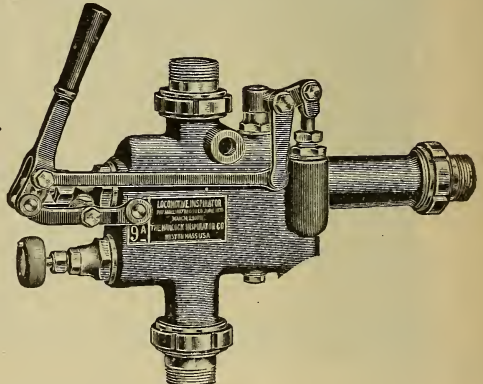
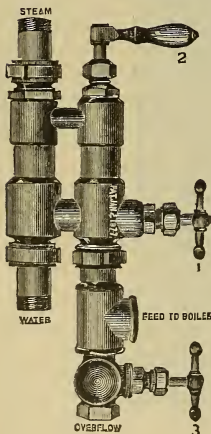
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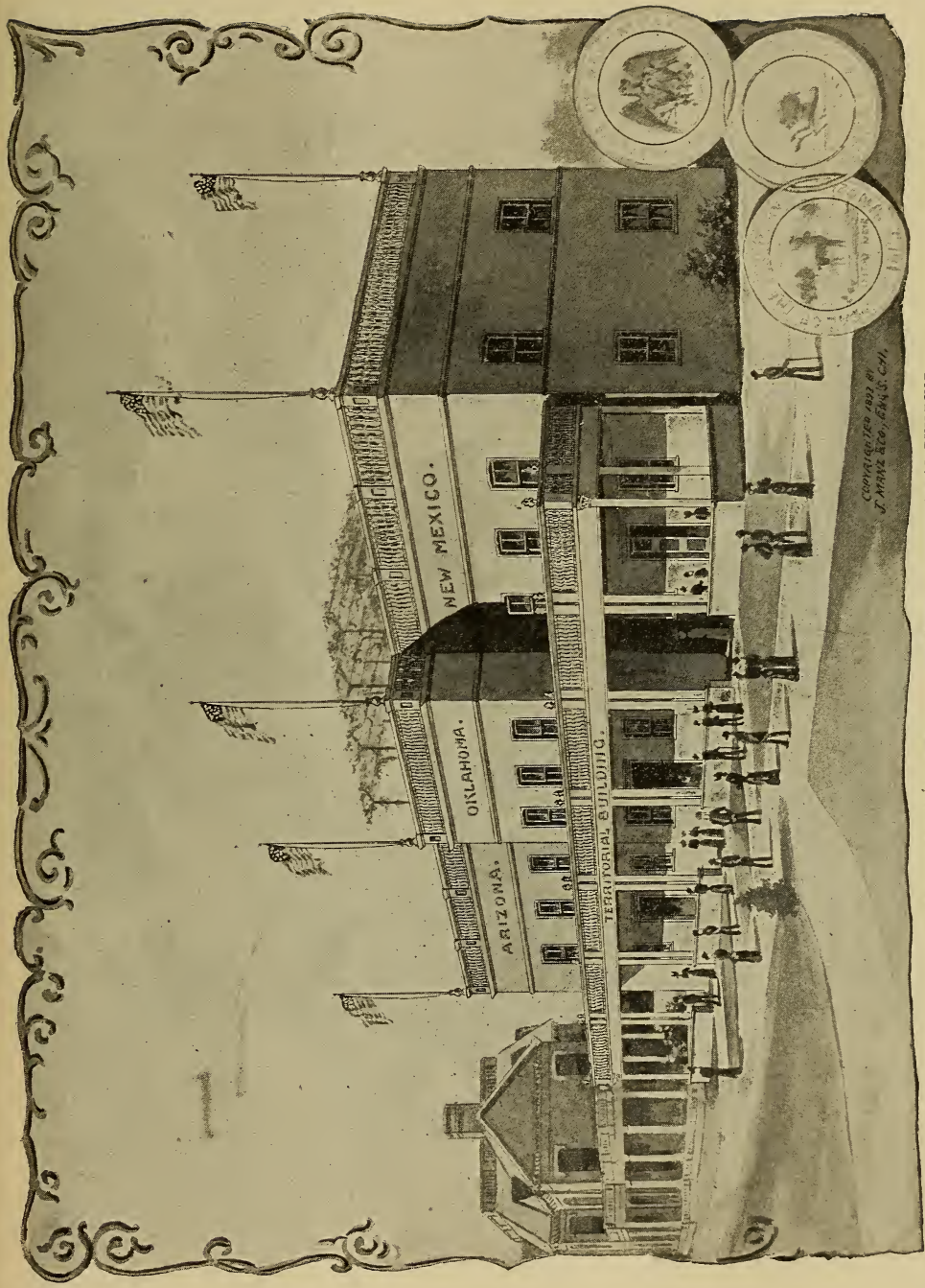
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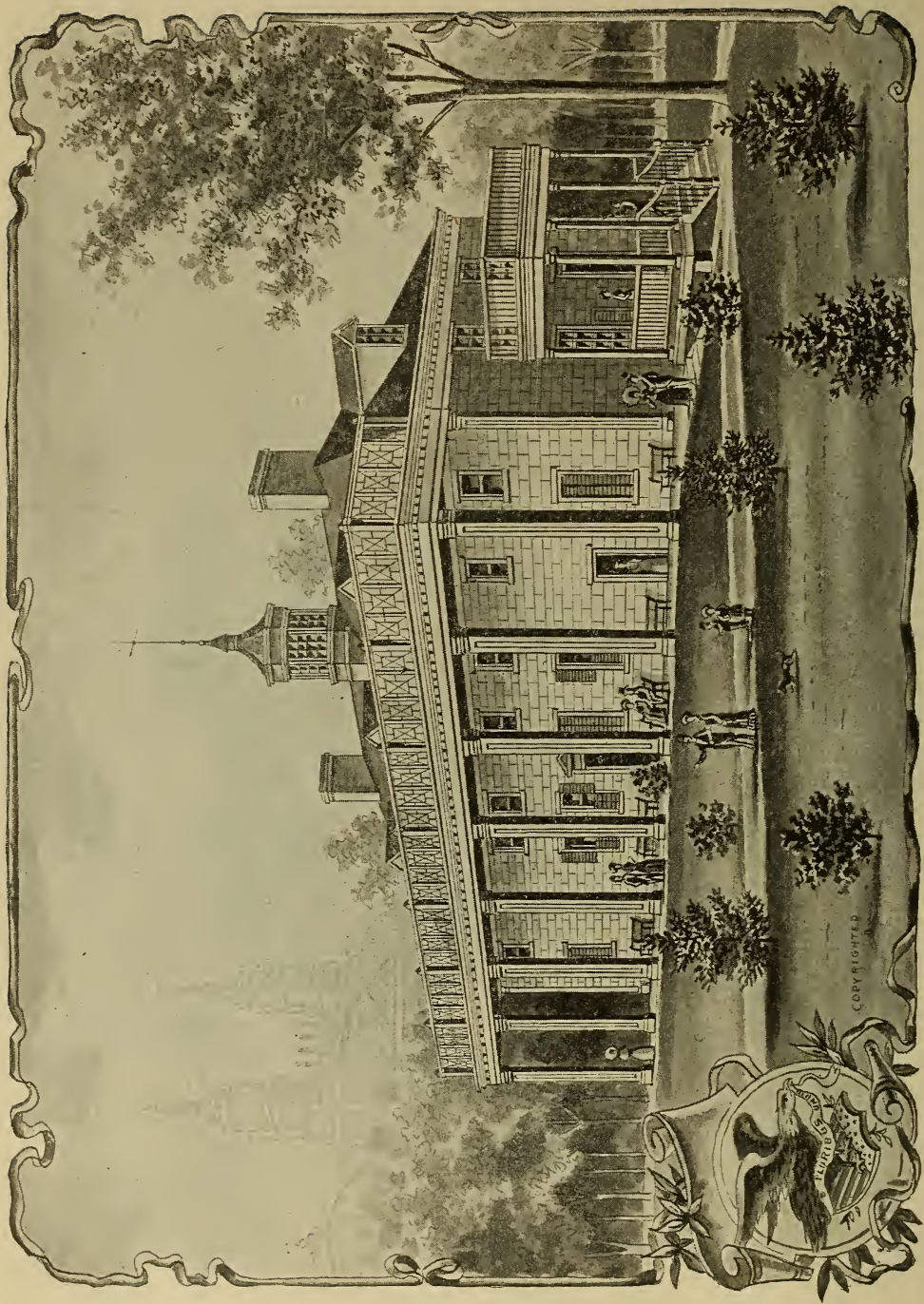
BICYCLES



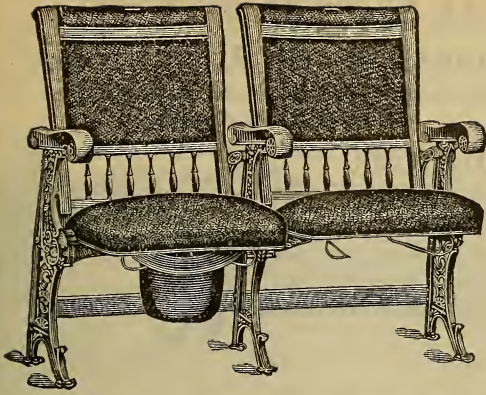
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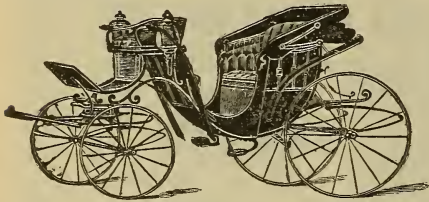
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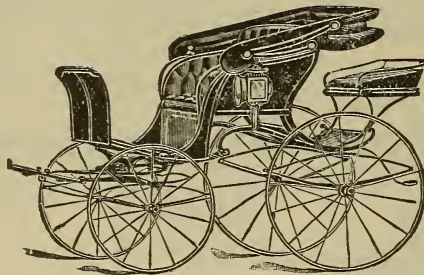


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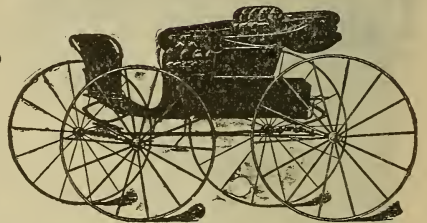


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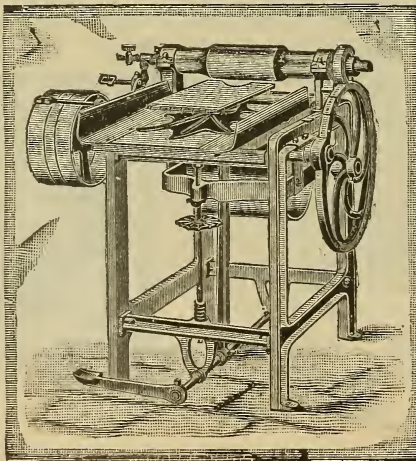
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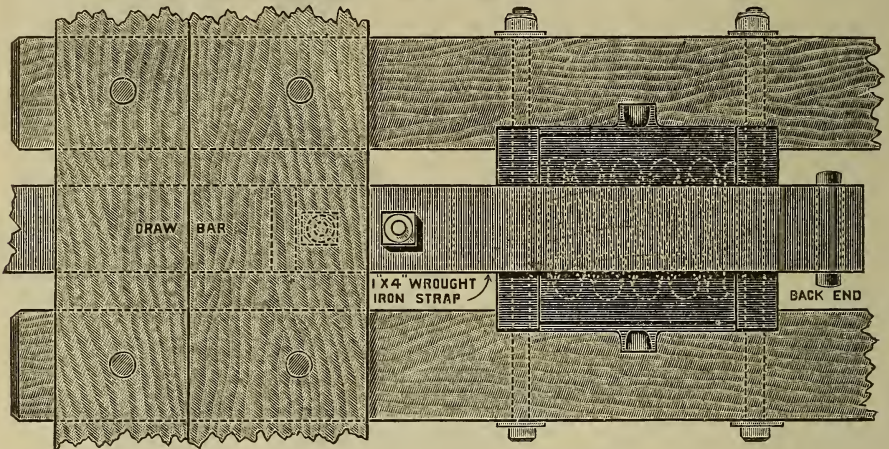
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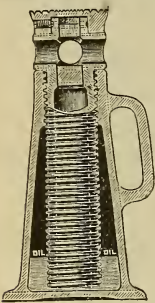
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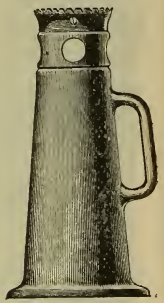


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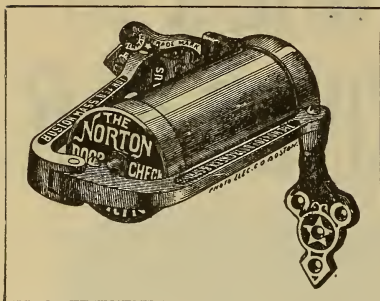
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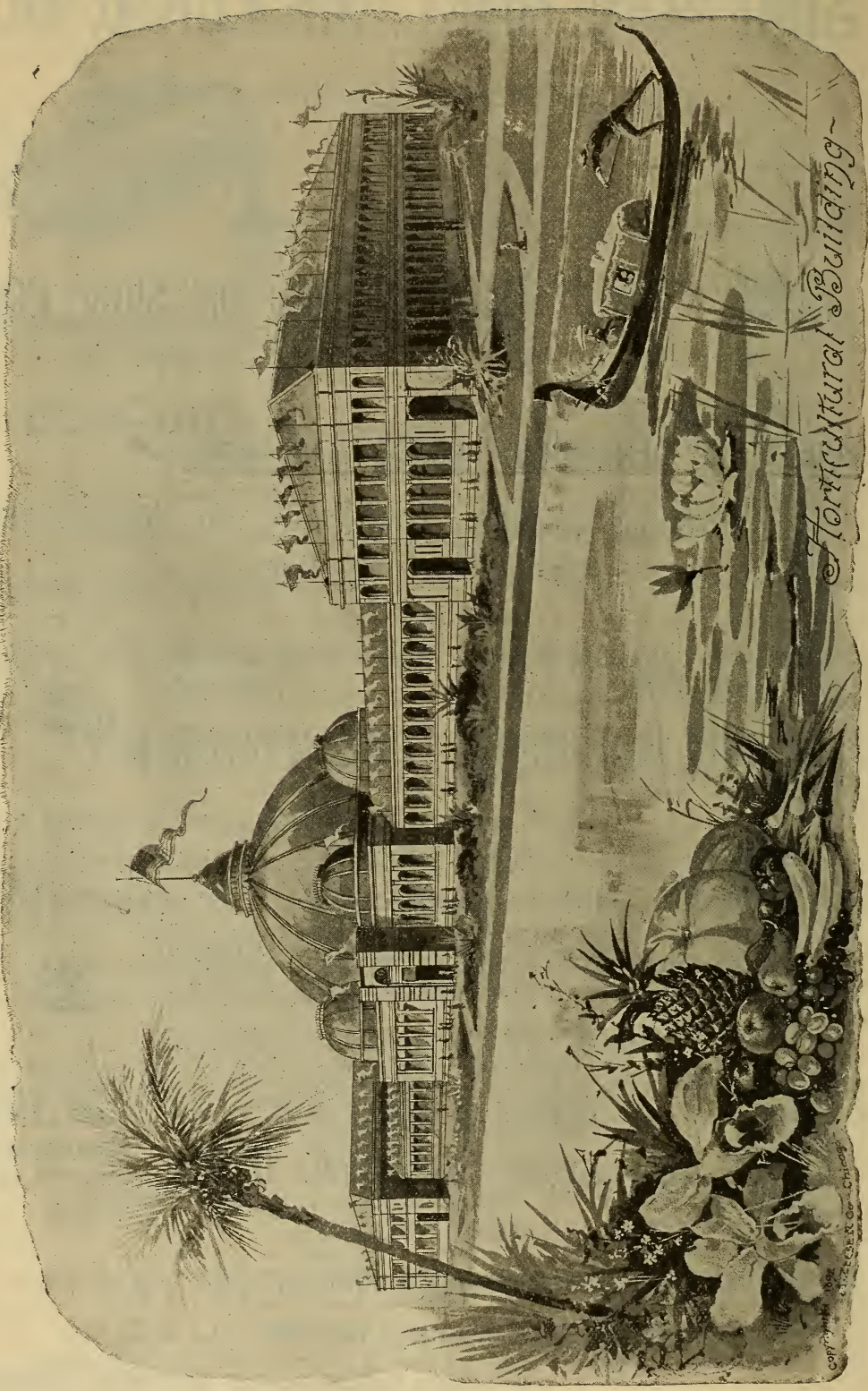
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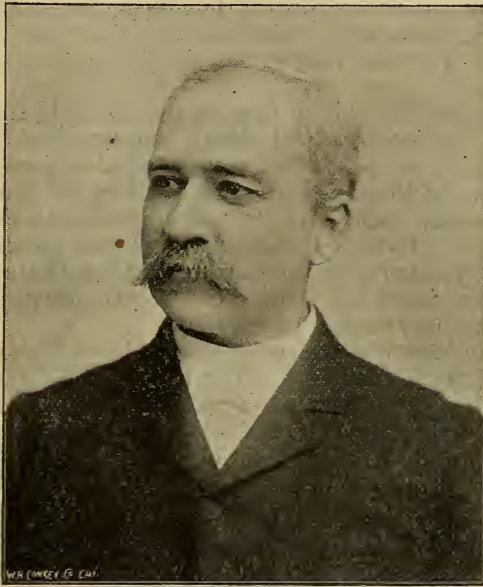
Horticultural Building

Copyright 1876
L. S. K. Co. Chicago

DEPARTMENT B--HORTICULTURE.

THE Horticultural Building occupies an advantageous position on the west side, midway between the north and south boundaries of the park. It presents a magnificent front of 1,000 feet, facing the lagoon and island, and has an extreme width of 287 feet. It is the largest and grandest building ever erected for a horticultural exhibition, and contains about 89,000 square feet more of exhibiting space than the combined floor areas of the buildings used for a similar purpose at the Centennial, New Orleans and Paris expositions.

The varied classification of the horticultural department necessarily requires a building adapted to diverse uses. Its general plan is central, glazed dome, the inside and 187 with a gallery excellently or open cen-teleogram-shaped called curtains, connect the dome



J. M. SAMUELS, CHIEF.

ion, forming two end pavilion is two an area of 117 by floor. The style is sance, the order frieze decorated garlands. A high-vestibule, with side, representing and sleep of flow-or grand entrance. entrance and side along the lar-rows of mammoth flowers and trail-cession of steps broad landing, for dolas and other water craft. The dome is sufficiently large to admit of the construction of a miniature tropical mountain and an extensive cave underneath. Several cascades are formed upon the sides of the mountain, and the sparkling waters leap from rock to rock under the foliage of the largest palms, tree ferns and other tropical plants that have ever been collected in a conservatory. Australia, many Central and South American countries, Africa and every nation in Europe, the West Indies, China, and the largest conservatories in the United States have contributed to the collection of plants which are exhibited in the dome and east curtains. Japan, among many rare plants, furnishes some dwarf trees more than 100 years old and only a few feet in height. The entire cave is constructed of stalagmites, stalacties and quartz crystals from a South Dakota cave, and the numerous electric lights placed within it produces a most dazzling and pleasing effect.

The dome gallery contains exhibits of herbariums, florists' supplies, fruit and flower plates, etc., and is used as a promenade from which to look down on the plant displays.

The west curtains, in which the pomological exhibit is installed, aggregate 692 feet in length and are 46 feet wide. The 35,000 plates and jars of fruits are

an imposing, cen-114 feet high on feet in diameter, tending around a ter. Four paral-rooms, technically each 270 feet long, and central pavil-interior courts 90 feet long. Each stories high, with 250 feet on each Venetian renaiss-Ionic, with a broad with cupids and ly ornamented statues on either t h e awakening ers, forms the main Opposite the main flanked on either goon with long vases filled with ing plants, is a suc-leading down to a picturesque gon-

from every part of the world, and are represented either in fresh specimens, wax models, or varieties preserved in fluids.

Every country in which the grape is grown extensively, is making a display of wines on the first and second floors of the south pavilion. France, Spain, Portugal, Italy, Germany and other foreign countries are in the contest for honors in the greatest viticultural exhibition that has ever taken place.

Each floor of the north pavilion is devoted to seeds, horticultural appliances, canned and dried fruits, jellies, marmalades, etc. The largest seed firms of Europe and America are well represented; improved horticultural machinery is extensively exhibited; the canned fruit displays are elaborate and tastefully arranged, and there is in this pavilion a miscellaneous list of exhibits interesting to all classes of visitors.

A bearing orchard of oranges, lemons and other citrus fruits fills the entire north court; while the opposite court on the south contains a typical wine cellar from the Rhine, in Germany, and several basins of artificially heated water in which are grown the *Victoria Regia* with its enormous leaves, and other water plants.

Artistically arranged flower beds occupy the space in front of the Horticultural Building, while on the area back, there is a varied exhibit of greenhouses, constructed by leading firms, and filled with rare collections of plants.

The central feature in the landscape architecture of the entire grounds is the island; from it the best view can be obtained of all the department buildings. The flower beds and walks have been designed with special reference to exhibiting to good advantage semi-hardy rhododendrons, azaleas, kalmias, conifers, roses, etc. Foreign countries have been the most liberal contributors and the exhibition of large and rare specimens is unequalled.

Five acres at the western entrance of the Midway Plaisance is assigned for a nursery exhibit. France is making a very interesting display in fruit trees trained into various forms and grafted in different ways, as well as a great variety of evergreen and deciduous shrubs. The State of Wisconsin illustrates with bearing plants, improved methods of growing and flooding cranberry marshes. An acre in bearing orange trees and many exhibits of deciduous and evergreen trees and shrubs make very attractive displays.

COLD STORAGE.—Cold storage rooms are conveniently located for preserving fruits and cut flowers, and many dealers in refrigerating machinery make competitive tests in the class provided for that purpose.

WATER.—Very liberal provision has been made for water, with stand-pipes at frequent intervals, to which hose can be attached for sprinkling.

HEAT.—The dome and front curtain are heated sufficiently to provide a proper temperature for the most tender tropical plants. More than ten miles of 1¼-inch steam pipe is needed for this purpose.

AUXILIARY GREENHOUSES.—Near the Horticultural Building greenhouses aggregating 25,000 square feet have been constructed, and are used for recuperating plants injured from any cause, and for the purpose of developing them to the highest degree of perfection before placing them on exhibition.

PROPAGATING HOUSES AND FRAMES.—Eight large propagating houses, covering a space of 20,000 square feet, have been provided. Limited room in these houses has been assigned to exhibitors who will propagate plants of unusual merit, which can not be transported from their distant homes, and the balance is devoted by the department to growing a reserve collection of plants with which to replace specimens that have ceased to be attractive and for storing those whose season of beauty has passed. A large number of cold frames occupy adjacent grounds, to be used for cultivating pansies, various annuals and bulbs and for the storage of half-hardy plants. The classification provides for complete exhibits of green and hot houses and conservatories, with best methods of heating and ventilating them.

OUT-DOOR SPACE.—The space assigned to the department for exhibits of

trees, shrubs and plants which will be hardy in the open ground during the time of the Exposition, embraces about twenty-five acres, and includes the greater part of a beautiful island, centrally located, artistically laid out in beautiful walks, and the choicest part of the grounds. Through this entire area has been placed a complete network of pipes to supply all the water necessary to insure a vigorous and healthy growth of all trees, shrubs and plants. Displays of deciduous shrubs, roses, pæonies, and such herbaceous plants as delphiniums, pyrethrums, etc., have been, in many instances, already permanently placed.

FLORICULTURE.

About a week before the opening of the Exposition the management paid Mr. John Thorpe a decided compliment. Mr. Thorpe's title was Superintendent of Floriculture. The management raised the Bureau of Floriculture to a department and made Mr. Thorpe chief. Horticulture will remain as before under the charge of Chief Samuels, but the two departments will be distinct. The show of flowers was the center of attraction on the grounds before the opening of the Exposition and its proportions have surpassed the wildest expectations of the officers themselves. There is no one to whom more credit is due than Mr. Thorpe. He has worked with the energy of six men, toiled night and day, and knows every detail of the exhibit.

The plan for the exhibits of flowers from the opening until the closing of the Exposition is as follows :

MAY.

Indoors—Roses in pots, calceolarias, azaleas, ericas, rhododendrons, begonias, cyclads, crotons, dracænas, aroids, marantas, palms, ferns, cacti, pelargoniums, miscellaneous stove and greenhouse plants in foliage, miscellaneous stove and greenhouse plants in flower.

Cut Flowers—Orchids, roses, carnations, lilies, pansies, miscellaneous hardy bulbs and other varieties, miscellaneous tender varieties.

Out of Doors—Pansies, tulips, hyacinths, narcissus, miscellaneous bulbous flowers, miscellaneous herbaceous flowers, miscellaneous flowering shrubs.

JUNE.

Indoors—Orchids, carnivorous plants, begonias, fuchsias, petunias, cannas, nepenthes, palms, ferns, cacti, miscellaneous stove and greenhouse plants in foliage, miscellaneous stove and greenhouse plants in flower.

Cut Flowers—Roses, carnations, lilies, peonies. Miscellaneous cut flowers, tender; miscellaneous cut flowers, hardy.

Outdoors—Campanulas, aquilegias, miscellaneous hardy herbaceous flowers, miscellaneous hardy shrubby flowers.

JULY.

Indoors—Orchids, tuberous begonias, ornamental-leafed begonias, shrubby begonias in flower, glloxinas, achimenes, gesneraceous plants, coladiums, palms, ferns, cacti.

Cut Flowers—Orchids, cannas, lilies, tuberous begonias, sweet peas, hollyhocks, tea roses, various annuals, miscellaneous hardy herbaceous, miscellaneous hardy shrubby.

Outdoors—Lilies, sweet peas, tea roses, clematis, various annuals, miscellaneous herbaceous plants.

AUGUST.

Indoors—Palms, ferns, cacti, orchids.

Cut Flowers—Orchids, roses, carnations, dianthus, gladiolus, asters, sweet peas, phlox herbaceous, phlox annuals, zinnias tall, zinnias dwarf, miscellaneous annuals, miscellaneous herbaceous.

Outdoors—Carnations, dianthus, dahlias, gladiolus, cannas, asters, sweet peas, verbenas, clematis, hollyhocks, hydrangeas, tuberous begonias, palms, ferns, cacti, aquatics hardy, aquatics tender, phlox hardy, phlox annual ornamental grasses.

SEPTEMBER.

Indoors—Palms, ferns, cacti, orchids, tuberous begonias, asters in pots, miscellaneous stove and greenhouse plants in foliage, miscellaneous stove and greenhouse plants in flower.

Cut Flowers—Carnations, tea roses, dahlias, gladiolus, cannas, petunias, asters, zinnias, phlox hardy, phlox annual, miscellaneous annuals, miscellaneous hardy herbaceous flowers, cut flowers in designs.

Outdoors—Roses, carnations, dahlias, gladiolus, cannas, tuberous begonias, petunias, asters, zinnias, verbenas, phlox hardy, phlox annual, miscellaneous annuals, miscellaneous herbaceous flowers.

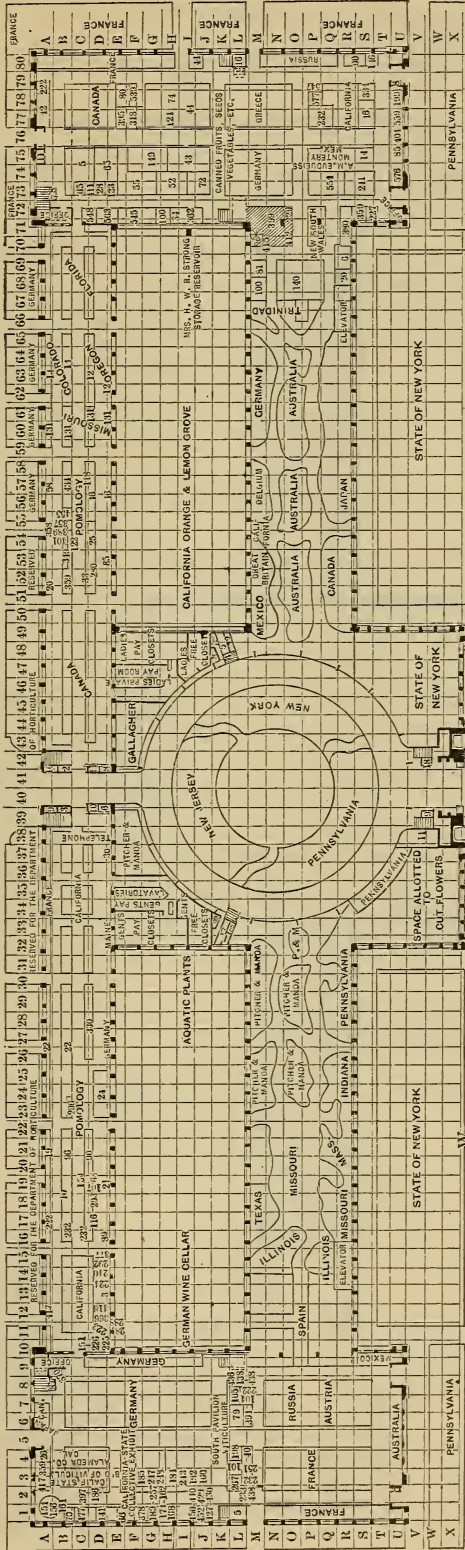
OCTOBER.

Indoors—Palms, ferns, cacti, orchids, chrysanthemums, pelargoniums, tuberous begonias, cosmos.

Cutflowers—Chrysanthemums, dahlias, cannas, roses, carnations, tuberous begonias, pansies. Miscellaneous—tender, hardy.

Outdoors—Chrysanthemums, dahlias. Miscellaneous, hadry.

Cut-flower exhibits will be made on Tuesday of each week during the whole Exposition, commencing at noon. There will also be exhibits of designs for house decoration on these and other days, especially during September and October. On account of the condition of temperature and situation such cut flowers as embrace roses, giadiolis, asters, zinnias and some other flowering plants, are to be displayed from the latter part of May to July 11th from the South, and from four to six weeks later from the Northern States.



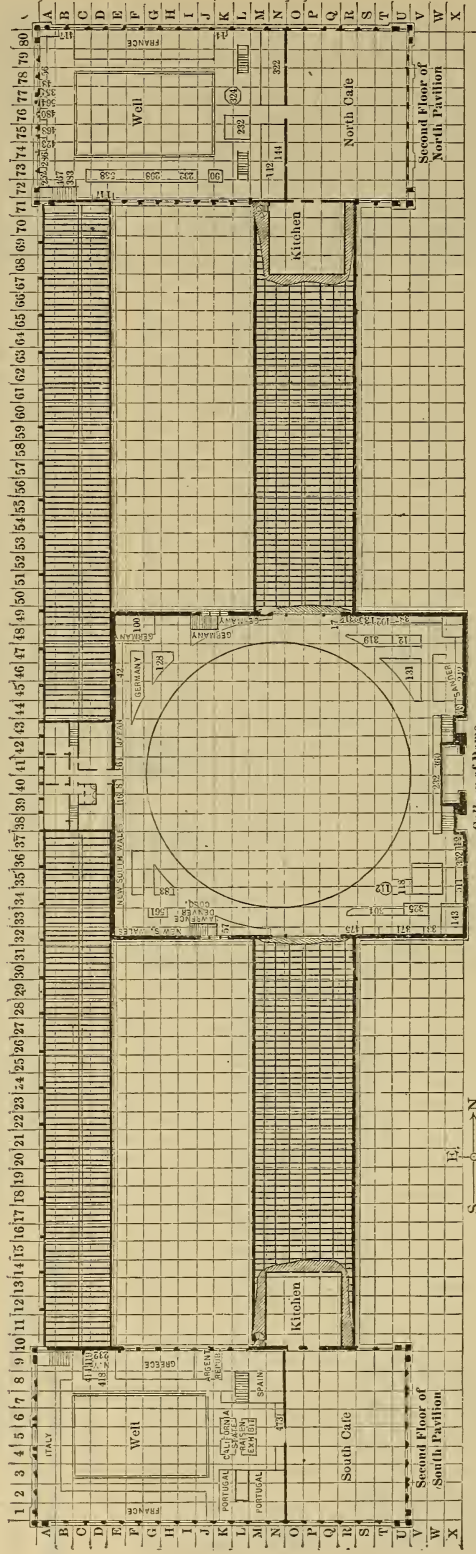
Plan of First Floor
HORTICULTURAL BUILDING

WORLD'S COLUMBIAN EXPOSITION.

KEY TO INSTALLATION.

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WORLD'S COLUMBIAN EXPOSITION
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CHICAGO.

As shown by the plans of the Horticultural Building, the entire ground floor proper is laid off into sections extending from east to west, and indicated by a number marked on each gallery post. 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. In the center of each side of the building are made. On each side of the building is a large room, known as the north and south curtains, and adjoining these are open courts for open air exhibits. 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 following it in the entry, or after the name of a country, or State, and by referring to these in the floor plans.



HORTICULTURAL BUILDING

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CHICAGO.

CLASSIFICATION.

HORTICULTURAL DEPARTMENT (B.)

HORTICULTURE, VITICULTURE, POMOLOGY, FLORICULTURE, ETC.

GROUP 20.

VITICULTURE, MANUFACTURED PRODUCTS, METHODS AND APPLIANCES.

- Class 119. The vine and its varieties—shown by living examples, by cuttings, by engravings, photographs, etc.
- Class 120. Methods of planting, staking, and training the vine.
- Class 121. Vineyards and their management.
- Class 122. Grapes for the table.
- Class 123. Grapes for wine-making.
- Class 124. Grapes for drying—raisin grape culture.
- Class 125. Methods of and appliances for cultivating, harvesting, curing, packing and shipping grapes.
- Class 126. White wines.
- Class 127. Red wines, clarets, Zinfandel, Burgundies.
- Class 128. Sherries, Madeira, Port.
- Class 129. Sparkling wines.
- Class 130. Methods of expressing the juice of the grape; of fermenting, storing, racking, bottling and packing. Wine cooperage.
- Class 131. Brandy of all kinds; methods and apparatus for the production of brandy.
- Class 132. Literature, history, and statistics of viticulture.

GROUP 21.

POMOLOGY, MANUFACTURED PRODUCTS, METHODS AND APPLIANCES.

- Class 133. Pomaceous and stone fruits—pears, apples, plums, peaches, nectarines, apricots, cherries, etc.
- Class 134. Citrus fruits—oranges, lemons, limes, shaddocks, etc.
- Class 135. Tropical and subtropical fruits—bananas, pineapples, guavas, mangoes, sapodillas, tamarinds, figs, olives, etc.
- Class 136. Small fruits—strawberries, raspberries, blackberries, gooseberries, currants, etc.
- Class 137. Nuts—almonds, pecans, chestnuts, filberts, walnuts, etc.
- Class 138. Casts and models of fruits; imitations in wax, etc.
- Class 139. Dried and evaporated apples, peaches, pears and other fruits. Prunes, figs, dates, etc., in glass or boxes.
- Class 140. Fruits in glass or cans, preserved in syrup or alcohol.
- Class 141. Jellies, jams, marmalades.
- Class 142. Fruits glacéd.
- Class 143. Cider, perry, vinegar and expressed juices of berries.
- Class 144. Methods for crushing and expressing the juices of fruits and berries. Apparatus and methods of dessicating; apparatus for making vinegar, etc. Cider mills and presses.
- Class 145. Methods for preserving all fruits by cold storage or chemical appliances; their keeping, packing and shipping.
- Class 146. Literature, history and statistics.

GROUP 22.

FLORICULTURE.

- Class 147. Roses.
- Class 148. Carnations.
- Class 149. Orchids.
- Class 150. Rhododendrons, azaleas, etc.
- Class 151. Chrysanthemums.
- Class 152. Dahlias, gladiolus, etc.
- Class 153. Ornamental bulbous flowering plants. Hyacinths, narcissus, etc.
- Class 154. Pelargoniums, zonal and show.
- Class 155. Bedding plants and flowering annual plants.
- Class 156. Climbing plants.
- Class 157. Perennials and flowering shrubs not otherwise specified.
- Class 158. Miscellaneous annuals, phlox, asters, etc.
- Class 159. Palms.
- Class 160. Ferns.
- Class 161. Ornamental leaf plants.

- Class 162. Cactaceæ.
- Class 163. Aquatic plants.
- Class 164. Native wild plants and flowers.
- Class 165. Ornamental grasses and reeds.
- Class 166. Rare exotic plants.
- Class 167. Cut flowers. Floral designs, pressed flowers, leaves, sea-weeds and bouquets.
- Class 168. Plants grown for commercial purposes.
- Class 169. Receptacles for plants, flower pots, plant boxes, fern cases, tubs, jardinières, plant and flower-stands, ornate designs in flower stands.
- Class 170. Literature, history and statistics.
- Class 171. Miscellaneous.

GROUP 23.

CULINARY VEGETABLES.

- Class 172. Leguminous; cereal and fruit-like vegetables. Beans, peas, okra, peppers, tomatoes, cucumbers, squashes, pumpkins, melons, etc.
- Class 173. Radicaceous and tuberous vegetables. Beets, turnips, carrots, potatoes, radishes, etc.
- Class 174. Vegetables cultivated for their leaves and sprouts. Cabbage, lettuce, rhubarb, spinach, endive, asparagus, etc.
- Class 175. Miscellaneous culinary vegetables not included in the above.
- Class 176. Vegetables dried or in cans or glass.
- Class 177. Pickles, champignons, truffles, chutney, mustard, etc.
- Class 178. Methods for preserving vegetables by cold storage or chemical appliances, their keeping, packing, and shipping.

GROUP 24.

SEEDS, SEED RAISING, TESTING AND DISTRIBUTION.

- Class 179. Display of vegetable and flower seeds, grown in different latitudes.
- Class 180. General display of flower and vegetable seeds by seed houses or growers.
- Class 181. Methods of growing, harvesting, and preparing flower, vegetable, tree, and shrub seeds.
- Class 182. Seed warehouse, methods of burnishing and packing for the retail trade. Work of packing, etc., in operation.
- Class 183. Methods of testing vitality of seeds, as practiced by different seed houses.
- Class 184. Tree and shrub seeds, and seeds used for condiments and medicines.

GROUP 25.

ARBORICULTURE.

- Class 185. Ornamental trees and shrubs. Methods of growing, transplanting, etc.
- Class 186. Fruit trees and methods of raising, grafting, transplanting, pruning, etc. Means of combatting insects and other enemies.
- Class 187. Nurseries and the nursery trade.

GROUP 26.

APPLIANCES, METHODS, ETC.

- Class 188. Hot houses, conservatories, methods of construction, management and operation.
- Class 189. Heating apparatus for hot houses and conservatories.
- Class 190. Seats, chairs and adjuncts for the garden and conservatory.
- Class 191. Ornamental wire work, trellises, fences, borders, labels for plants and trees, etc.
- Class 192. Garden and nursery administration and management. Floriculture and arboriculture as arts of design and decoration. Laying out gardens, designs for the laying out of gardens and the improvement of private residences. Designs for commercial gardens, nurseries, graperies; designs for the parterre; treatment of water for ornamental purposes; cascades, fountains, reservoirs, lakes; formation and after treatment of lawns. Garden construction, building, etc. Rockwork grottoes; rustic construction and adornment for private gardens and public grounds. Planting, fertilizing, cultivating and appliances.

Department B.--Horticulture.

UNITED STATES.

GROUP 20.			
Viticulture, Manufactured Products.			
Methods and Appliances.			
1.	Albaugh Georgia Fruit Co., Tadmor,		
O.	Grapes.	A-57	122
2.	American Wine Co., St. Louis, Mo.		
a	White wines, dry.	L-6	126
b	Red wines, dry.		127
c	Sparkling wines.		129
3.	Baldwin, C. A., Cupertino, Cal.		
a	White wines, dry.	D-2	126
b	Red wines, dry.		127
4.	Banniher, John, Egg Harbor City,		
New Jersey.	Red wines, dry.	L-8	127
5.	Barton Estate, Ltd., Fresno, Cal.		
a	White wines, dry.	F-3	126
b	Red wines, dry.		127
c	Sweet wines, dry.		128
d	Brandy.		131
6.	Beard, John L., Warm Springs, Cal.		
a	White wines, dry.	C-4	126
b	Red wines, dry.		127
7.	Becker, Wm., Kelly's Island, Ohio.		
a	Table grapes.	A-57	122
b	Wine grapes.		123
8.	Ben Lomond Wine Co., San Francisco,		
a	White wines, dry.	F-3	126
b	Red wines, dry.		127
9.	Beringer Bros., St. Helena, Cal.		
a	White wine, dry.	H-1	126
b	Red wine, dry.		127
c	Sweet wine, dry.		128
d	Brandy.		131
o.	Billings, F. W., Redwood City, Cal.		
a	White wine, dry.	F-3	126
b	Red wine, dry.		127
11.	Boettcher, H., Los Angeles, Cal.		
a	Sweet wines.	F-3	128
b	Brandy.		131
12.	Brun, A., & Co., Oakville, Cal.		
a	White wine, dry.	F-3	126
b	Red wine, dry.		127
c	Sweet wine.		128
13.	Burns, Paul O., & Co., San Jose, Cal.		
a	White wines, dry.	E-1	126
b	Red wines, dry.		127
c	Sweet wines.		128
d	Brandy.		131
14.	California State Board of Agriculture.		
a	The vine by engravings, photos, etc.	B-3	119
b	Planting and staking.		120
c	Grapes, table.		122
d	Grapes, wine.		123
e	Grape drying and raisins.		124
f	White wines, dry.		126
g	Red wines, dry.		127
h	Sweet wines.		128
i	Brandies.		131
j	Literature, history and statistics.		132
15.	Carp & Co., San Francisco.		
a	White wines, dry.	I-4	126
b	Red wines, dry.		127
c	Sweet wines.		128
d	Brandy.		131
16.	Chauchi, A. G., Livermore, Cal.		
a	White wines, dry.	C-4	126
b	Red wines, dry.		127
c	Sweet wines.		128
17.	Chautauqua & Northeast Grape Union,		
Chautauqua, N. Y.	Grapes.	D-18	118
18.	Crabb, H. W., Oakville, Cal.		
a	White wines, dry.	G-3	126
b	Red wines, dry.		127
c	Sweet wines.		128
d	Brandy.		131
19.	Crellin, J., & Son, Livermore, Cal.		
a	White wines, dry.	C-4	126
b	Red wines, dry.		127
c	Brandy.		131
20.	Cupertino Wine Co., Mountain View,		
Cal.			
a	White wines, dry.	D-2	126
b	Red wines, dry.		127
21.	Davisson, D. D., Sonoma, Cal.		
a	White wines, dry.	F-3	126
b	Red wines, dry.		127
c	Sweet wines.		128
d	Brandy.		131
22.	Delafield, Robert H., Calistoga, Cal.		
a	White wines, dry.	F-3	126
b	Red wines, dry.		127
c	Sweet wines.		128
23.	Dewey & Sons, New York. Red		
wines, dry, and unfermented grape juice.		L-8	127
24.	DeTurk, Isaac, Santa Rosa, Cal.		
a	White wines, dry.	F-3	126
b	Red wines, dry.		127
c	Sweet wines.		128
d	Brandy.		131
25.	Dunoy & Haines, Sandusky, Ohio.		
a	Grapes, table.	J-1	122
b	Grapes, wine.		123
c	White wines, dry.		126
d	Red wines, dry.		127
e	Sweet wines.		128
f	Brandy.		131
26.	Eisen, F. T., San Francisco. Sweet		
wines.		F-3	128
27.	Ellis, H. R., San Diego, Cal. Raisins.		
		M-4	124

DEPARTMENT B.—HORTICULTURE.

28. Emerson, J. M., & Sons, Washington-ville, N. Y.
a White wines, dry. L-4 126
b Red wines, dry. 124
c Sweet wines. 128
d Sparkling wines. 129
e Brandy. 131
29. Engles & Kruding, Sandusky, Ohio.
a Grapes. J-1 123
b White wines, dry 126
c Red wines, dry. 127
d Brandy. 131
30. Escondido Land & Town Co., San Diego, Cal. Raisins. Gal. K-5 124
31. Escondido World's Fair Ass'n, Escondido, Cal. Raisins. H-17 124
32. Estee, M. M., Napa, Cal.
a White wines, dry. G-3 126
b Red wines, dry. 127
33. Ewer & Atkinson, Rutherford, Cal.
a White wines, dry. H-1 126
b Red wines, dry. 127
c Sweet wines. 128
d Brandy. 131
34. Fresno Canning Co., Fresno, Cal. Raisins. Gal. N-74 124
35. Gasten, A. H., Lacon, Ill. Grapes. B-23 122
36. German Fruit Co., Los Angeles Cal.
a White wines dry. F-4 126
b Red wines, dry. 127
c Sweet wines. 128
- 36a. Germania Wine Co., Hammondsport, N. Y.
a White wines, dry. 126
b Red wines, dry. 127
c Sparkling wines. 129
d Brndy. 131
37. Goodrich, Edward E., Santa Clara, Cal.
a White wines, dry. F-4 126
b Red wines, dry. 127
38. Griffin & Kelly, Riverside, Cal. Raisins. Gal. K-5 124
39. Grossman, A. H., Napa, Cal.
a White wines, dry. F-4 126
b Red wines, dry. 127
40. Gundlach & Co., San Francisco.
a White wines, dry. I-4 126
b Red wines, dry. 127
c Sweet wines. 128
d Cellar paraphernalia and wine coop-erage. 330
e Brandy. 131
41. Haesters, F., Wrights, Cal. White wines, dry. F-4 126
42. Hall, J. P. R., El Cajon, Cal. Raisins. A-17 124
43. Hammond, C. M., Upper Lake, Cal.
a White wines, dry. F-4 126
b Red wines, dry. 127
44. Hammondsport Wine Co., Hammondsport, N. Y.
a White wines, dry. L-2 126
b Red wines, dry. 127
c Sweet wines. 128
d Sparkling wines. 129
e Brandy. 131
45. Harvey, Wm., Fresno, Cal. Raisins. Gal. L-79 124
46. Heraszthy, Arpad, San Francisco.
a White wines, dry. I-3 126
b Red wines, dry. 127
- c* Sweet wine. 128
d Sparkling wines, natural process. 129
47. Hommel, C., Sandusky, Ohio.
a Grapes, table. I-1 122
b Grapes, wine. 123
c Sparkling wines. 129
48. Hommel, M., Sandusky, Ohio. Sparkling wines. J-1 129
49. Howes, C. P., Mountain View, Cal.
a White wines, dry. F-4 126
b Red wines, dry. 127
50. Humphrey, A. B., Mayhews, Cal. Grapes, table. B-15 122
51. Husman, Geo., Napa, Cal.
a White wines, dry. F-4 126
b Red wines, dry. 127
c Literature and history. 132
52. Inglenook Vineyard, Rutherford, Cal.
a White wines, dry. F-4 126
b Red wines, dry. 127
c Sweet wines, port. 128
d Brandy. 131
53. Italian Swiss Agr. Colony, San Francisco.
a Vineyards. A-1 121
b Grapes, table. 122
c Grapes, wine. 123
d White wines, dry. 126
e Red wines, dry. 127
f Sparkling wines. 129
g Brandy. 131
54. Jarvis Wine & Brandy Co., San Jose, Cal.
a White wines, dry. C-1 126
b Red wines, dry. 127
c Sweet wines. 128
d Brandy. 131
55. Johnson, C. S. C., Garvanza, Cal.
a White wines, dry. F-4 126
b Red wines, dry. 127
c Sweet wines. 128
56. Jones, Robt., Newcastle, Cal.
a Grapes, table. F-4 122
b Grapes, wine. 123
c White wines, dry. 126
d Red wines, dry. 127
e Sweet wines. 128
f Brandy. 131
57. Keiser, J., Penryn, Cal. Grapes, table. F-4 122
58. Kolb & Denhard, San Francisco, Cal.
a White wines, dry. F-4 126
b Red wines, dry. 127
59. Korbel Bros., San Francisco, Cal.
a White wines, dry. A-1 126
b Red wines, dry. 127
c Sweet wines. 128
d Brandy. 131
60. Lake Erie Fruit & Wine Growers' Ass'n, Sandusky, Ohio.
a Grapes, table. J-1 122
b Grapes, wine. 123
c White wine, dry. 126
d Red wine, dry. 127
e Sweet wine. 128
f Sparkling wines. 129
g Brandy. 131
61. Lay, Clark & Co., Santa Rosa, Cal.
a White wines, dry. F-4 126
b Red wines, dry. 127
c Sweet wines. 128
62. Le France, H., Jan Jose, Cal.
a White wines, dry. F-4 126

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<i>b</i> Red wines, dry.	127	79. Noble Bros., Fresno, Cal. Raisins.	
<i>c</i> Sweet wines.	128	Gal. N-6	124
<i>d</i> Sparkling wines.	129	80. Norman, Otto, St. Helena, Cal.	
63. Lenk Wine Co., Toledo, Ohio.		<i>a</i> White wines, dry.	F-4 126
<i>a</i> Grapes, table.	J-1 122	<i>b</i> Red wines, dry.	127
<i>b</i> Grapes, wine.	123	<i>c</i> Sweet wines.	128
<i>c</i> White wine, dry.	126	<i>d</i> Brandy.	131
<i>d</i> Red wine, dry.	127	81. North Carolina, State of.	
<i>e</i> Brandy.	131	<i>a</i> Grapes, table.	A-4 122
64. Lusk, A., & Co., San Francisco.		<i>b</i> Grapes, wine.	123
Raisins.	Gal. N-74 124	<i>c</i> White wines, dry.	126
65. Margherita Vineyard, Fresno, Cal.		<i>d</i> Red wines, dry.	127
<i>a</i> White wines, dry.	F-4 126	<i>e</i> Sweet wines.	128
<i>b</i> Red wines, dry.	127	<i>f</i> Sparkling wines.	131
<i>c</i> Sweet wines.	128	82. Ohio Fruit Land Co., Tadmor, Ohio.	
<i>d</i> Brandy.	131	Grapes, table.	A-55 122
66. Matthews, Joseph, Napa, Cal.		83. Oklahoma Territory.	
<i>a</i> White wines, dry.	F-4 126	<i>a</i> Grapes, table.	122
<i>b</i> Red wines, dry.	127	<i>b</i> Grapes, wine.	123
<i>c</i> Sweet wines.	128	<i>c</i> White wines, dry.	126
67. McFarlan, John R., Dehisa, Cal.		<i>d</i> Red wines, dry.	127
<i>a</i> Grapes, table.	C-14 122	84. Onstott, J. P., Yuba City, Cal.	
<i>b</i> Raisins.	124	<i>a</i> Method of staking and training.	Gal. M-5 120
68. McIver, C. C., Mission, San Jose, Cal.		<i>b</i> Grapes, table.	122
<i>a</i> White wines, dry.	F-4 126	<i>c</i> Grapes, drying.	124
<i>b</i> Red wines, dry.	127	85. Palmtag, Wm., Hollister, Cal.	
<i>c</i> Sweet wines.	128	<i>a</i> White wines, dry.	F-4 126
<i>d</i> Brandy.	131	<i>b</i> Red wines, dry.	127
69. Merrithen, C. H., West Side, Cal.		<i>c</i> Sweet wines.	128
<i>a</i> Red wines, dry.	F-4 127	<i>d</i> Brandies.	131
<i>b</i> Sweet wines.	128	86. Pennsylvania, State of.	
<i>c</i> Brandy.	131	<i>a</i> Grapes, table.	A-3 122
70. Migliavacca, G., Napa, Cal.		<i>b</i> Grapes, wine.	123
<i>a</i> Red wines, dry.	F-4 127	<i>c</i> White wines, dry.	126
<i>b</i> Brandy.	131	<i>d</i> Red wines, dry.	127
71. Monticello Wine Co., Charlottesville, Va.		<i>e</i> Sweet wines.	128
<i>a</i> White wines, dry.	126	<i>f</i> Brandy.	131
<i>b</i> Red wines, dry.	127	87. Pleasant Valley Wine Co., Rheims, N. Y.	L-4
72. Moore, Jacob, Attica, N. Y. Grapes.	D-19 122	<i>a</i> Grapes, wine.	123
73. Mt. Pleasant Wine Co., Augusta, Mo.		<i>b</i> White wines, dry.	126
<i>a</i> White wines, dry.	M-6 126	<i>c</i> Red wines, dry.	127
<i>b</i> Red wines, dry.	127	<i>d</i> Sweet wines.	128
74. Munson, T. V., Denison, Texas.		<i>e</i> Sparkling wines.	129
<i>a</i> The vine and its varieties.	A-9 119	<i>f</i> Brandy.	131
<i>b</i> Grapes, table.	122	88. Pyle, D. M., Bakersfield, Cal.	
<i>c</i> Grapes, wine.	123	<i>a</i> Growing grape vine.	Gal. L-79 119
<i>d</i> Literature, history and statistics.	132	<i>b</i> Raisins.	124
Dry and live plants, fruits and vines.		89. Repsold, A., San Francisco.	
75. Napa Valley Wine Co., Napa, Cal.		<i>a</i> White wines, dry.	F-4 126
<i>a</i> White wines, dry.	J-4 126	<i>b</i> Red wines, dry.	127
<i>b</i> Red wines, dry.	127	<i>c</i> Brandy.	131
<i>c</i> Sweet wines.	128	90. Rice, A. F., Griswoldville, Ga. Seedling grapes.	B-55 122
<i>d</i> Brandy.	131	91. Rose, L. J., Co., Ltd., San Gabriel, Cal.	
76. New Jersey, State of.		<i>a</i> Sweet wines, dry.	F-4 128
<i>a</i> Grapes, table.	M-8 122	<i>b</i> Brandies.	131
<i>b</i> Grapes, wine.	123	92. Rossi, C. P., San Francisco, Cal. Vermouth.	A-1 131
<i>c</i> White wines, dry.	126	93. Sanders & Co., San Francisco. Continuous still.	B-1 131
<i>d</i> Red wines, dry.	127	94. Schleischer, Robert, Lewiston, Idaho. Grapes.	B-70 122
<i>e</i> Sweet wines.	128	95. Schram, Jacob, St. Helena, Cal.	
<i>f</i> Brandy.	131	<i>a</i> White wines, dry.	H-1 126
77. New Mexico, State of.		<i>b</i> Red wines, dry.	127
<i>a</i> Grapes, table.	A-3 122	96. Smith, Julius P., Livermore, Cal.	
<i>b</i> Grapes, wine.	123	<i>a</i> White wines, dry.	F-4 126
<i>c</i> White wines, dry.	126	<i>b</i> Red wines, dry.	127
<i>d</i> Red wines, dry.	127	<i>c</i> Sweet wines.	128
<i>e</i> Sweet wines.	128	<i>d</i> Brandy.	131
<i>f</i> Brandy.	131		
78. New York, State of. Grapevine trellis. Nursery	120		

DEPARTMENT B.—HORTICULTURE.

- | | | | |
|---|------|-----|--|
| 97. South Shore Wine Co., North East, Pa. | A-3 | | |
| <i>a</i> White wines, dry. | | 126 | |
| <i>b</i> Red wines, dry. | | 127 | |
| <i>c</i> Sparkling wines. | | 129 | |
| 98. Speer Wine Co., Passaic, N. J. | M-7 | | |
| <i>a</i> White wines, dry. | | 126 | |
| <i>b</i> Red wines, dry. | | 127 | |
| <i>c</i> Brandy. | | 131 | |
| 99. Stanford, Leland, Vina, Cal. | G-4 | | |
| <i>a</i> White wines, dry. | | 126 | |
| <i>b</i> Red wines, dry. | | 127 | |
| <i>c</i> Sweet wines. | | 128 | |
| <i>d</i> Brandy. | | 131 | |
| 100. Steinke & Bruning, Los Angeles, Cal. | F-4 | | |
| Sweet wines. | | 128 | |
| 101. Stern, Chas., & Son, Los Angeles, Cal. | F-1 | | |
| <i>a</i> White wines, dry. | | 126 | |
| <i>b</i> Red wines, dry. | | 127 | |
| <i>c</i> Sweet wines. | | 128 | |
| <i>d</i> Brandy. | | 131 | |
| 102. Stewart, J. A., Santa Cruz, Cal. | F-4 | | |
| <i>a</i> White wines, dry. | | 126 | |
| <i>b</i> Red wines, dry. | | 127 | |
| 103. St. Hubert Vineyard, Fresno, Cal. | F-4 | | |
| <i>a</i> White wines, dry. | | 126 | |
| <i>b</i> Red wines, dry. | | 127 | |
| <i>c</i> Sweet wines. | | 128 | |
| 104. Stone Hill Wine Co., Herman, Mo. | K-7 | | |
| <i>a</i> White wines, dry. | | 126 | |
| <i>b</i> Red wines, dry. | | 127 | |
| 105. Tiburcio, Parrott, St. Helena, Cal. | H-1 | | |
| <i>a</i> White wines, dry. | | 126 | |
| <i>b</i> Red wines, dry. | | 127 | |
| <i>c</i> Brandy. | | 131 | |
| 106. Urbana Wine Co., Hammondspport, N. Y. | L-3 | | |
| <i>a</i> White wines, dry. | | 126 | |
| <i>b</i> Red wines, dry. | | 127 | |
| <i>c</i> Sweet wines. | | 128 | |
| <i>d</i> Sparkling wines. | | 129 | |
| <i>e</i> Brandy. | | 131 | |
| 107. Walden & Co., Geyserville, Cal. | F-1 | | |
| <i>a</i> White wines, dry. | | 126 | |
| <i>b</i> Red wines, dry. | | 127 | |
| <i>c</i> Sweet wines. | | 128 | |
| <i>d</i> Brandy. | | 131 | |
| 108. Wagoner, H. B., Livermore, Cal. | F-4 | | |
| <i>a</i> White wines, dry. | | 126 | |
| <i>b</i> Red wines, dry. | | 127 | |
| 109. Wehner, Wm, Evergreen, Cal. | F-4 | | |
| <i>a</i> White wines, dry. | | 126 | |
| <i>b</i> Red wines, dry. | | 127 | |
| 110. Welch Grape Juice Co., Vineland, N. J. | L-8 | | |
| Unfermented grape juice. | | 127 | |
| 111. West, Geo., & Son, Stockton, Cal. | F-4 | | |
| <i>a</i> White wines, dry. | | 126 | |
| <i>b</i> Red wines, dry. | | 127 | |
| <i>c</i> Sweet wines. | | 128 | |
| <i>d</i> Brandy. | | 131 | |
| 112. Wetmore, Chas. A., Livermore, Cal. | C-4 | | |
| <i>a</i> White wines, dry. | | 126 | |
| <i>b</i> Red wines, dry. | | 127 | |
| <i>c</i> Sweet wines. | | 128 | |
| <i>d</i> Brandy. | | 131 | |
| 113. Wetmore, C. J., Livermore, Cal. | D-3 | | |
| <i>a</i> White wines, dry. | | 126 | |
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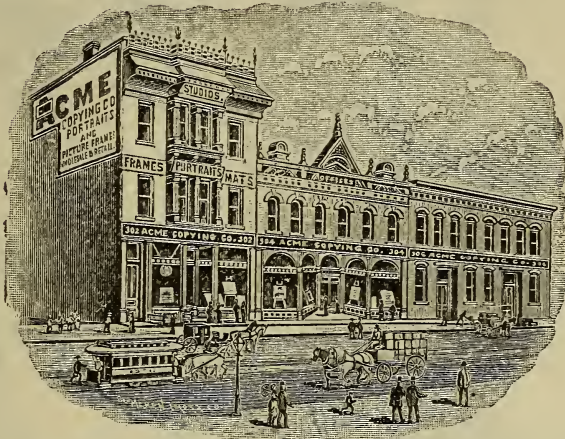
GROUP 21.

1. Liljeholmens Vinfabrik, Stockholm.	Berry-syrups, hedge-wines.	Dept. A	143
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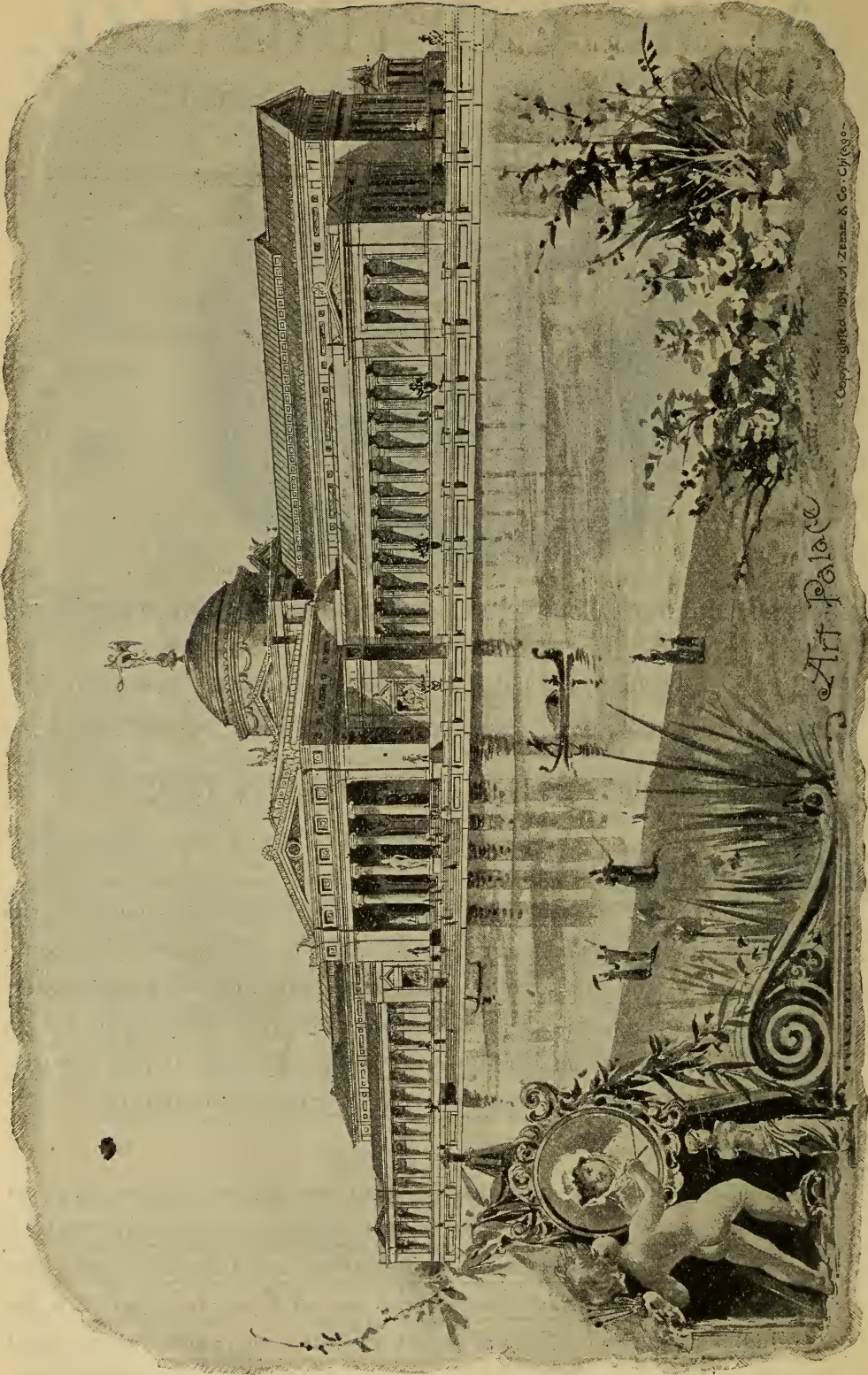
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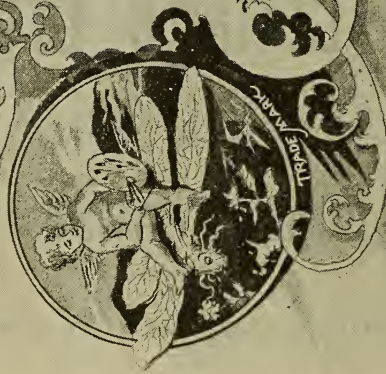
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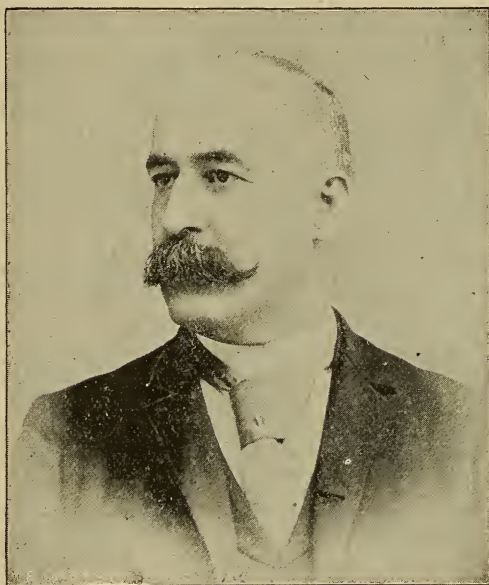
DEPARTMENT K.—FINE ARTS.

IT is the aim of this department to show a collection of the fine arts of the various nations, giving each country adequate space in which fairly to represent its highest and most characteristic achievements in painting, sculpture, architecture and decoration. In sculpture and architecture figures and monumental decorations, bas-reliefs in marble or bronze, figures or groups in bronze, gems, cameos and intaglios are shown. Paintings in oil, paintings in water color, paintings on ivory, on enamel, on metal, on porcelain and other wares, and fresco painting on walls, are included within the groupings, and in addition there are engravings and etchings, prints, chalk, charcoal, pastel and other drawings. All the works admitted to the department were first examined by juries duly constituted.

The building is Grecian-Ionic in style, and is a pure type of the most refined classic architecture. Perhaps no building in the world, and certainly no one in the United States, surpasses it in beauty. Connoisseurs have pronounced it *perfect* in every detail, and have been lavish in the praise of the chief designer, Mr. C. B. Atwood.

It is difficult to determine which is the most strikingly handsome—the exterior or the interior. The building is oblong, 500 feet long, and is intersected north and south by a nave and west by a transept one hundred feet wide and seventy feet high, at the intersection a dome sixty feet in diameter. The building is 125 feet high, and the dome, which is a colossal statue of a winged figure of Victory, is entirely from the center of the transept.

On either side of the main floor are ample areas of twenty feet wide and twenty-four feet above the floor. The collections of the sculpture are displayed on the main floor and the walls both of the nave and of the galleries for displaying the



HALSEY C. IVES, CHIEF.

The corners made by the crossing of the nave and transept are filled with small picture galleries.

Around the entire building are galleries forty feet wide, forming a continuous promenade around the structure. Between the promenade and the naves are the smaller rooms devoted to private collections of paintings and the collections of the various art schools. On either side of the main building, and connected with it by handsome corridors, are very large annexes, which are also utilized by various art exhibits.

The main building is entered by four great portals, richly ornamented with architectural sculpture, and approached by broad flights of steps. The walls of the loggia of the colonnades are highly decorated with mural paintings, illustrating the history and progress of the arts. The frieze of the exterior walls and the pediments of the principal entrances are ornamented with sculptures and portraits in bas-relief of the masters of ancient art. The general tone or color is

It is difficult to determine which is the most striking and impressive—the exterior or the interior. The building is 500 by 320 feet, and the transept one and seventy feet in diameter. The top of the dome is surmounted by a statue of the type of famous Victory. The space through the dome, being lighted above,

are galleries and twenty-four floor. The collections are displayed on the main floor and the walls both of the nave and of the galleries for displaying the

light gray stone. The construction is necessarily fire-proof. The main walls are of solid brick, covered with "staff," architecturally ornamented, while the roof, floors and galleries are of iron. All light is supplied through glass skylights in iron frames. The building is located in the northern portion of the park, with the south front facing the lagoon. It is separated from the lagoon by beautiful terraces, ornamented with balustrades, with an immense flight of steps leading down from the main portal to the lagoon, where there is a landing for boats. The north front faces the wide lawn and the group of State buildings. The immediate neighborhood of the building is ornamented with groups of statues, replica ornaments of classic art, such as the Choriagic monument, the "Cave of the Winds," and other beautiful examples of Grecian art. The ornamentation also includes statues of heroic and life-size proportions.

There is an eastern and western annex to the main building each of which is 120x200 feet.

A better representation from a greater number of different nations is seen than has ever been brought together at any previous Exposition. The responses from foreign governments and the enthusiasm of foreign artists when the art exhibit was thrown open to them has far exceeded the most sanguine predictions of two years ago. Visitors will, therefore, see not only an epochal exhibit of American art, but the choicest productions of the world's great masters from across the sea. Space is assigned to France, Germany, Austria, Holland, Great Britain, Belgium, Sweden, Norway, Denmark, Russia, Italy, Spain, Japan, Canada and Mexico. There is also a gallery devoted to modern European master-pieces owned in private collections in America. This space is situated between the United States and French sections. Lovers of the finesse in the French school will see masterpieces by acknowledged leaders. The famous Dutch school, the Russian, the less known but powerful Scandinavian, the impressionist, and many others are represented by a selection of the choicest productions from the leaders of each school. When it comes to a critical study of American art, the patriotic American will discover therein not only certain characteristics of each of the foreign schools, but a distinct individuality, just as the American character is composite and a reflex of its varied sources.

The international fine arts expositions of the past may be said to have begun with Paris in 1867. Then followed Vienna in 1873, Philadelphia in 1876, Paris in 1878, and special exhibitions of fine arts in Berlin and Munich some years later. Then came the Melbourne Exposition, preceding the last great international exposition in Paris in 1889. An idea of the scope of the present fine arts exposition may be gathered from the fact that the fine arts exhibit contains between 1,500 and 2,000 pieces in the American section alone. In round figures France contributes 800 pieces, Germany 900, Dutch artists 300, England 600, Austria 300, Denmark 250, Sweden 200, Italy 600, Norway 180 and Belgium 400. The largest space is given to the United States artists. Next comes France with 19,201 square feet, next Germany, Great Britain, Italy, Belgium and Austria in order, and so on ranging down to Mexico, which has 1,500 square feet. In securing a good representation of American art, advisory committees were appointed in the leading art centers of the United States and in European centers where American art colonies flourished. By an interchange of service these advisory committees became juries of selection. The work of these juries and of the national jury for the west and south that recently performed its labors in Chicago, is familiar to the reading public. For a special exhibition of retrospective American art, a special committee was appointed to solicit from private American owners and societies a loan collection that would best exhibit historical art in America. This committee has selected about a hundred pieces that are hung together in one of the galleries. The collection shows the work of native artists from the earliest known specimens down to 1876. There is a loan collection of foreign masterpieces, owned in America, which are hung in three adjoining galleries in the west end of the east pavilion. These are all the prop-

erty of American collectors. They include all the illustrious names among artists, beginning with the dawn of this century and up to the present time. From Boston and San Francisco, from New York, Chicago, Philadelphia and other centers, these pictures come. Millet, Rosa Bonheur, Carolus-Doran, John Constable, Millais, Meissonier, Alma Tadema and a score of other famous names are represented. There are about 150 pieces in the loan collection. The lenders include the best known art patrons in America. From Chicago galleries there are paintings loaned by Potter Palmer, Charles T. Yerkes, Mrs. Henry Field, R. Hall McCormick, Martin Ryerson, C. L. Hutchinson, A. A. Munger and S. M. Nickerson.

The east and west pavilions connect with the central pavilion by means of corridors, which are also used as galleries. The east pavilion contains the French government exhibit and also the French masterpieces owned by Americans. The west pavilion contains the Italian exhibit and the exhibits of several other foreign countries whose space is limited. The central pavilion has two floors for the exhibit of paintings. The northeast section, or one-fourth of the space for paintings, is devoted to the works of United States artists. The southeast section is given up to Great Britain and Canada. The southwest section contains the works of art sent by Holland, Spain, Russia and Japan. The northwest section contains all the German paintings. In general terms the oil paintings are all hung on the ground floor in the central pavilion, while water colors are on the second floor. There is a overflow exhibit of oil paintings upstairs in the American section.

Between these four quadrangles are four courts and the central rotunda. The north and south courts contain the groupings of statuary. The east and west courts contain the architectural exhibit. Here are seen structures and casts illustrating ancient, mediæval and modern architecture. Cases of antique and modern carvings, and architectural drawings are hung on the walls. In the north and south courts is the installation of statuary. There are figures and groups in marble, casts from original works by modern artists, models, monumental decorations, figures and groups in bronze and bas-reliefs in marble and bronze.

The central rotunda contains a heroic figure of Washington by Thomas Ball. On the sides of the rotunda are twelve spaces for figure groupings furnished by different foreign countries. There are also rotundas in each of the smaller pavilions, where statuary and architectural specimens are grouped. There are eighty galleries in all including the east and west pavilions. These range from 30 feet square to 36 by 120 feet for the exhibition of paintings. There are also 108 alcoves, fronting on the court of the central pavilion. Twenty-eight of these are on the first floor and eighty on the second floor, and much additional wall space is gained by their use. Engravings, etchings and black-and-whites are mainly upstairs with the water colors, and pastels are downstairs with the oils.

The lighting arrangements are as faultless as can be devised. All the pavilions, including rotundas, courts and galleries, are lighted from above. The modulation of natural light in the daytime is simple and effective. The system of artificial lighting at night is in itself a work of art. Myriads of incandescent lamps shed a mellow radiance over courts and galleries. The electric lamps are arranged in clusters above each court, and also in continuous rows around the galleries. The attractiveness of the art galleries at night is one of the features of the Exposition.

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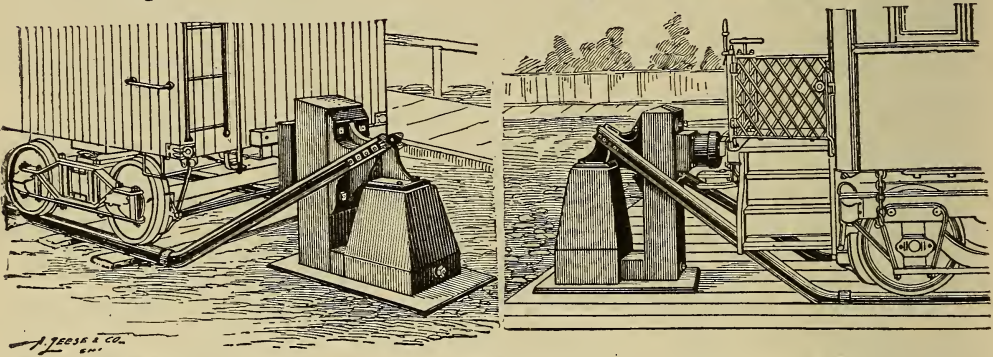
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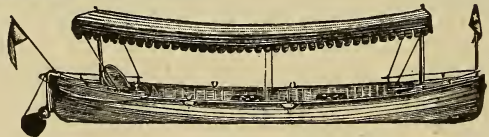
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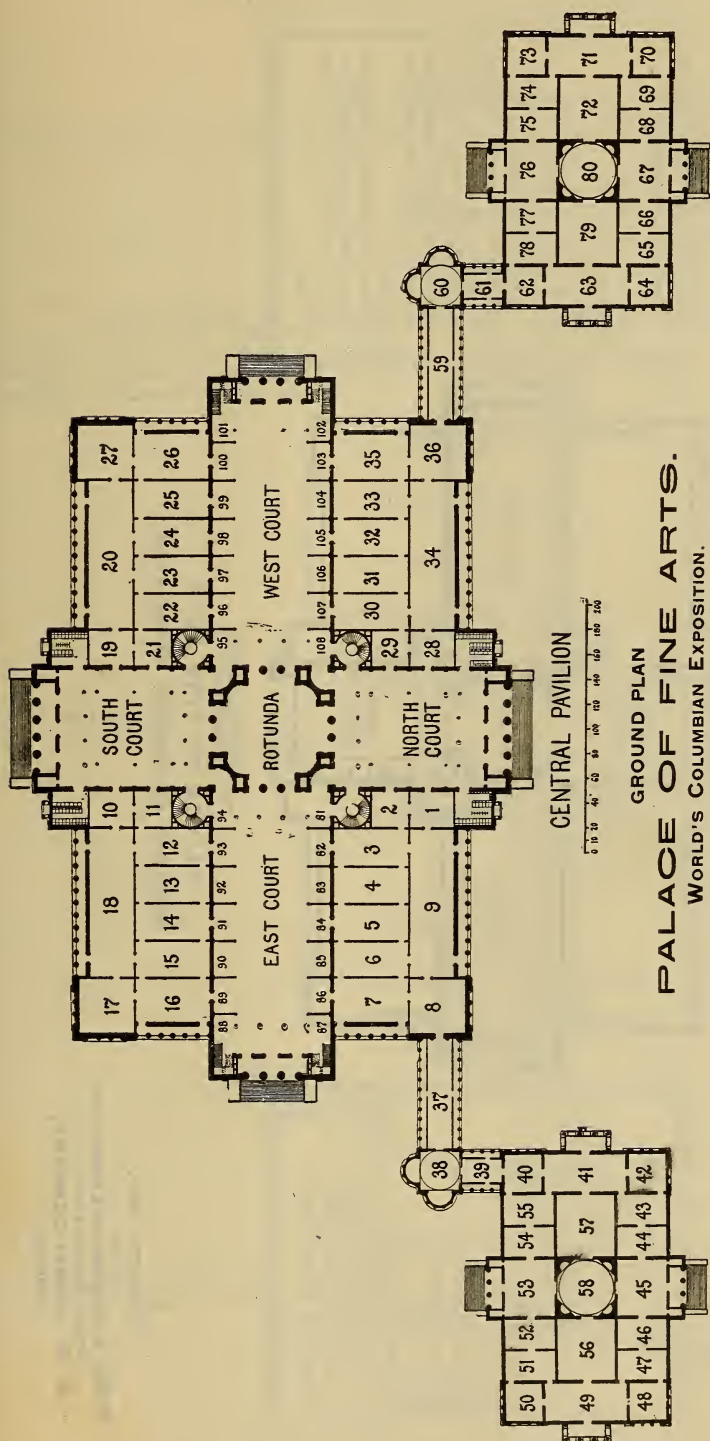
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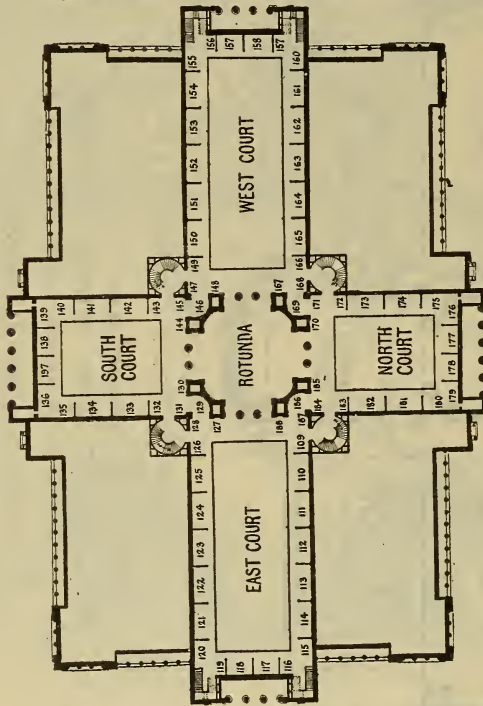


GROUND PLAN
PALACE OF FINE ARTS.
WORLD'S COLUMBIAN EXPOSITION.

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

KEY TO INSTALLATION.
This building, which is expressly devoted to the exhibit of fine arts, painting, sculpture and statuary, is divided into four great courts known as the north, south, east and west courts. These lead into a space known as the central dome. Each space for exhibits is indicated by a number in connection with the court in which it is located. In connection with the main building are pavilions located at each corner, where exhibits are also shown, an exterior colonnade extending from each pavilion to the north and south courts. The paintings, sculpture and groups of statuary are each indicated in regular numerical order. The location of the exhibit will be found by referring to the name of the exhibitor and then glancing at the diagram, where the court, or gallery, containing the exhibit is shown, together with the number of the painting, etc. The exhibits in the loggias, and also on the second floor, are indicated in like manner.

PLAN OF UPPER GALLERY.
CENTRAL PAVILION.



PLAN OF UPPER GALLERIES
CENTRAL PAVILION

PALACE OF FINE ARTS.
WORLD'S COLUMBIAN EXPOSITION.

ASSIGNMENT OF SPACE.

UNITED STATES—Galleries: 1, 2, 3, 4, 5, 6, 7, 8, 9, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58.
GREAT BRITAIN: 12, 13, 14, 15, 16, 17, 18.
CANADA: 10, 11.
RUSSIA: 19, 20.
SPAIN: 21, 22, 23.
JAPAN: 24.
HOLLAND: 25, 26, 27.
GERMANY: 28, 29, 30, 31, 32, 33, 34.
AUSTRIA: 35, 36, 39, 60, 61.
SOCIETY OF POLISH ARTISTS: 62.
BELGIUM: 63, 64, 65, 66, 67.

ASSIGNMENT OF SPACE.

SWEDEN: 68, 69, 70.
NORWAY: 71, 72.
DENMARK: 73, 74, 75.
ITALY: 76, 77, 78, 79, 80.
MEXICO: Space in Gallery, South Court: 184, 185, 186.
Architecture and Sculpture are shown in the Rotunda, North, South, East and West Courts of the Central Pavilion, and in the Rotundas of the East and West Pavilions.
Water-colors, Engravings, etc., are shown mostly in the Upper Galleries of the Central Pavilion, 109 to 188.

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CHICAGO.

CLASSIFICATION.

ART DEPARTMENT (K).

FINE ARTS; PAINTING, SCULPTURE, ARCHITECTURE AND DECORATION.

GROUP 139.

SCULPTURE.

- Class 820. Figures and groups in marble; casts from original works by modern artists; models and monumental decorations.
 Class 821. Bas-reliefs in marble or bronze.
 Class 822. Figures and groups in bronze.
 Class 823. Bronzes from *cire-perdue*.

GROUP 140.

PAINTINGS IN OIL.

GROUP 141.

PAINTINGS IN WATER COLORS.

GROUP 142.

PAINTINGS ON IVORY,

ON ENAMEL,

ON METAL,

ON PORCELAIN

OR OTHER WARES;

FRESCO PAINTING ON WALLS.

GROUP 143.

ENGRAVINGS AND ETCHINGS; PRINTS.

GROUP 144.

CHALK,

CHARCOAL,

PASTEL

AND OTHER DRAWINGS.

GROUP 145.

ANTIQUE AND MODERN CARVINGS;

ENGRAVINGS IN MEDALLIONS OR IN GEMS;

CAMEOS, INTAGLIOS.

GROUP 146.

EXHIBITS OF PRIVATE COLLECTIONS.

DEPARTMENT OF FINE ARTS. (K)

UNITED STATES SECTION.

JURIES OF ACCEPTANCE.

GROUP 139.—SCULPTURE.

NEW YORK.

Augustus St. Gaudens. Olin L. Warner.
J. Q. A. Ward. John J. Boyle.

Daniel C. French.

PHILADELPHIA.

John J. Boyle. Daniel C. French.
Olin L. Warner.

BOSTON.

Daniel C. French. Olin L. Warner.
John J. Boyle.

ROME.

Harriet Hosmer. Waldo Story.
Franklin Simmons. Larkin G. Mead.

FLORENCE.

William Couper. Larkin G. Mead.
Waldo Story.

NATIONAL JURY AT CHICAGO.

Daniel C. French, *Boston*. Lorado Taft, *Chicago*.
Robert Bringhurst, *St. Louis*.

ALTERNATES.

John J. Boyle, *Philadelphia*. Carl Rohl Smith, *Chicago*.
J. Gelert, *Chicago*.

GROUP 140.—PAINTINGS IN OIL.

NEW YORK.

William M. Chase. Eastman Johnson.
R. Swain Gifford. H. Bolton Jones.
F. D. Millet. (G. W. Maynard, Alternate.)

I. M. Gaugengigl. John W. Beatty.
E. C. Tarbell. Charles E. Dana.

PHILADELPHIA.

John W. Beatty. Clifford P. Grayson.
Charles E. Dana. Joseph R. Woodwell.
William Dalliba Dutton. Eastman Johnson.
H. Bolton Jones.

BOSTON.

Thomas Allen. E. C. Tarbell.
J. J. Enneking. F. P. Vinton.
I. M. Gaugengigl. William M. Chase.

R. Swain Gifford.

PARIS.

F. A. Bridgman. Walter McEwen.
W. T. Dannat. Gari J. Melchers.
Walter Gay. Charles Sprague Pearce.
Alexander Harrison. J. L. Stewart.

E. L. Weeks.

MUNICH.

Walter Beck. Carl Marr.
J. Frank Currier. Orrin Peck.

Toby Rosenthal.

ROME.

C. C. Coleman. William Stanley Haseltine.
Elihu Vedder.

NATIONAL JURY AT CHICAGO.

J. G. Brown, *New York*. Gari J. Melchers, *Detroit*.
G. W. Maynard, *New York*. Douglas Volk, *Minneapolis*.
J. Francis Murphy, *New York*. John H. Fry, *St. Louis*.
Thomas Hovenden, *Philadelphia*. Frederick W. Freer, *Chicago*.
Thomas Allen, *Boston*. John H. Vanderpoel, *Chicago*.
H. F. Farny, *Cincinnati*. Walter McEwen, *Chicago*.
C. C. Coleman, *Rome, Italy*.

GROUP 141.—PAINTINGS IN WATER COLORS.

NEW YORK.

Frederick Dielman. J. C. Nicoll.
Charles Harry Eaton. Walter Shirlaw.
Louis C. Tiffany.

In other cities the Jury for Paintings in Oil also acted for Water Colors.

GROUPS 139, 142 and 145.—ARCHITECTURE.

NEW YORK.

Richard M. Hunt. Stanford White.
William B. Tuthill. Frank Miles Day.
C. Howard Walker.

PHILADELPHIA.

Frank Miles Day. John Stewardson.
Henry Pettit. W. B. Tuthill.
Edmund M. Wheelwright.

BOSTON.

Edward C. Cabot. Edmund M. Wheelwright.
C. Howard Walker. John Stewardson.
W. B. Tuthill.

NATIONAL JURY AT CHICAGO.

C. B. Atwood, *New York*. W. S. Eames, *St. Louis*.
Cass Gilbert, *St. Paul*. S. S. Beman, *Chicago*.
D. Adler, *Chicago*.

GROUP 142.—Same Juries as for Paintings in Oil, and for Architecture.

GROUP 143.—ENGRAVINGS AND ETCHINGS; PRINTS.

FOR ETCHINGS.

NEW YORK.

Carleton T. Chapman. C. F. W. Mielatz.
Samuel Colman. C. A. Platt.
James D. Smillie.

PHILADELPHIA.

Hermann Faber. Max Rosenthal.
Bernhard Uhle.

BOSTON.

W. B. Closson. S. R. Koehler.
Charles A. Walker.

FOR WOOD ENGRAVING.

NEW YORK.

Horace Baker. John P. Davis
Frank French.

PHILADELPHIA.

A. M. Lindsay. C. H. Reed.

BOSTON.

W. B. Closson. S. R. Koehler.
Charles A. Walker.

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J. Harvey Young.

PHILADELPHIA.

Charles Henry Hart. Henry Whelen, Jr.
J. Granville Leach.

Department K.--Fine Arts.

UNITED STATES.

GROUP 139.

Sculpture.

- Adams, Herbert, New York.**
 1. Portrait Bust of a Lady. (Marble.)
 2. Primavera. (Marble.)
 3. Colored Bust of St. Agnes. (Plaster.)
Bachman, Max, Boston.
 4. Bust of Miss O. (Plaster.)
 5. Portrait Bas-relief of Mrs. Frank Sheldon. (Plaster.)
 6. The Son of Man. (Plaster.)
 7. Portrait Bas-relief. (Plaster.)
Bartlett, Paul, Paris.
 8. Medallion Portrait of Rev. Dr. Skinner. (Marble.)
 9. The Ghost Dance (study of the nude). (Plaster.)
 10. Bohemian and Bear. (Plaster.)
 11. Bust of Mrs. B. (Marble.)
Baur, Theodore, New York.
 12. The Secret. (Unfinished.) (Plaster.)
 13. Panel of Joseph Jefferson as Rip Van Winkle, Bob Acres, and Dr. Pangloss. (Bronze.)
Bissell, George E., New York.
 14. John Watts. (Bronze.)
Borglum, J. Gurtzon, Chicago.
 15. Indian Scouts. (Bronze.)
Boyle, J. J., Philadelphia.
 16. Tired Out. (Bronze.) (From *Cire perdue.*)
Bradley, Amy A., Boston.
 17. Daughter of the Pharaohs. (Plaster.)
 18. Bust of a Boy. (Plaster.)
Bringhurst, Robert P., St. Louis.
 19. Awakening of Spring. (Terra Cotta.)
 20. Faun—Fragment of a Fountain. (Plaster.)
Brooks, Caroline S., New York.
 21. Iolanthe. (Marble.)
 22. Lady Godiva. (Marble.)
 23. Lady Godiva Returning. (Marble.)
 24. Vanderbilt Group. (Marble.)
Brooks, Carrie.
 25. Enid. (Bust of a Child.) (Plaster.)
Bush-Brown, H. K., New York.
 26. The Buffalo Hunt. (Plaster.)
Byrnes, James A., Denver.
 27. Wounded Buffalo. (Plaster.)
Calder, A. Sterling, Philadelphia.
 28. Cordelia. (Plaster.)
 29. Boy with Ribbon. (Plaster.)
Cannon, John L., New York.
 30. Bas-relief of Elizabeth Cannon. (Bronze.)
Ciani, V. A., New York.
 31. A Cavalier. (Bronze.)
- Clarke, Thomas Shields, Paris.**
 32. The Cider Press. (Bronze.)
Cohen, Catherine, Paris.
 33. Bust of Henry Souther. (Plaster.)
Copp, Ellen R., Chicago.
 34. Relief Portrait of Harriet Monroe. (Bronze.)
Cox, Charles B., Philadelphia.
 35. American Buffalo. (Bronze.)
Cushing, Robert, New York.
 36. Bust of Cardinal McCloskey. (Bronze.)
Dallin, C. E., Paris.
 37. Signal of Peace. (Bronze.)
 38. Portrait Bust. (Marble.)
Donoghue, John, London.
 39. Kypros. (Plaster.)
 40. The Young Sophocles leading the Chorus of Victory after the Battle of Salamis. (Plaster.)
Fjelde, Jakob, Minneapolis.
 41. Bas-relief of Burt Harwood. (Plaster.)
 42. Bust of Judge Nelson. (Bronze.)
French, Daniel C., New York.
 43. Bust of A. Bronson Alcott. (Bronze.)
 44. The Angel of Death and the Sculptor. (Plaster.)
Gelert, J., Chicago.
 45. Bust of Abraham Lincoln. (Plaster.)
 46. The Little Architect. (Plaster.)
 47. Theseus. (Bronze.)
 48. Struggle for Work. (Plaster.)
Grafly, Charles, Philadelphia.
 49. Daedalus. (Bronze.)
 50. Bad Omens. (Plaster.)
Griffith, J. Milo, Chicago.
 51. Bust. (Plaster.)
 52. Sabrina, Goddess of the Severn. (Bronze.)
 53. Nubian Captive. (Plaster.)
 54. Coursing during the time of Queen Elizabeth (Bronze.)
 55. Shield presented to H. R. H. the Princess of Wales on her Silver Wedding by the inhabitants of South Wales. (Electroplate.)
 56. Medallion. Study of a Female Head. (Marble.)
 57. Medallion. Dawn. (Marble.)
Hamond, Jane N., Boston.
 58. Lucie. (Bronze.)
 59. A Medallion. (Plaster.)
Hartley, J. S., New York.
 60. Pan. (Bronze.)
 61. Bust of Wm. C. Church. (Bronze.)
 62. John Gilbert as Sir Peter Teazle. (Bronze.)

DEPARTMENT K.—FINE ARTS.

- Hyatt, H. R., Boston.**
 63. Head of Laughing Girl. (Plaster.)
Kemeys, Edward, Chicago.
 64. Old Ephraim. (Bronze.)
 65. After the Feast. (Bronze.)
 66. American Bay Lynx. (Bronze.)
 67. American Panther and Her Cubs. (Bronze.)
 68. Grappling His Game. (Bronze.)
 69. Fighting Panther and Deer. (Bronze.)
 70. Texan Bull and Jaguars. (Bronze.)
 71. The Still Hunt. (Bronze.)
 72. Battle of the Bulls. (Bronze.)
 73. American Black Bear. (Bronze.)
 74. Jaguar and Boa-constrictor. (Bronze.)
Kitson, Henry A., Boston.
 75. Music of the Sea. (Bronze.)
 76. Portrait Bust. (Marble.)
 77. Christ Crucified. (Plaster.)
Lindstrom, August, Chicago.
 78. Bust of John Ericsson. (Plaster.)
Martiny, Phillip, New York.
 79. Portrait Bust of a Child. (Plaster.)
Mead, Larkin G., Florence.
 80. The Return of Proserpine from the Realms of Pluto. (Plaster.) On pediment of Agricultural Building.
Mills, J. Harrison, New York.
 81. Portrait Medallion. (Plaster.)
Murray, Samuel, Philadelphia.
 82. Study of a Child. (Bronze.)
 83. Walt Whitman. (Bronze.)
Niehaus, C. H., New York.
 84. Historical Door of Trinity Church. (Plaster.)
 85. Athlete. (Plaster.)
O'Donovan, W. R., New York.
 86. Bust of Thomas Eakins. (Bronze.)
 87. Bust of R. S. Gifford. (Bronze.)
Partridge, William Ordway, Boston.
 88. Portrait Bust of a Lady. (Marble.)
 89. Bust of J. R. Lowell. (Plaster.)
 90. Shakespeare. (Plaster.)
 91. Nearing Home. (Marble.)
 92. Madonna. (Plaster.)
 93. Head of Christ. (Marble.)
 94. Milton. (Bronze.)
 95. Night. (Marble.)
 96. A Dream. (Marble.)
Peterson, George D., Chicago.
 97. Tiger at Bay. (Plaster.)
Potter, Bessie O., Chicago.
 98. Prof. David Swing. (Plaster.)
Prescott, Katherine, Boston.
 99. Medallion. Joy to the New Year, Peace to the Old. (Plaster.)
 100. Medallion. Bas-relief of Ralph Waldo Emerson. (Plaster.)
Rogers, John, New York.
 101. Rip Van Winkle. (Bronze.)
 102. Wounded Scout. (Bronze.)
 103. Going for the Cows. (Bronze.)
 104. Taking the Oath. (Bronze.)
 105. Uncle Ned's School. (Bronze.)
 106. Going to the Parson. (Bronze.)
 107. One More Shot. (Bronze.)
 108. Rip Van Winkle in the Mountains. (Bronze.)
 109. Council of War. (Bronze.)
 110. Abraham Lincoln. (Plaster.)
Rohl-Smith, Carl, Chicago.
 111. Mato Wanartaka (Kicking Bear), Chief of the Sioux. (Plaster.)
 112. Bust of Henry Watterson. (Bronze.)
Ruggles, Th. Alice, Boston.
 113. A New England Fisherman. (Plaster.)
 114. Portrait bust (Italian child). (Bronze.)
 115. Young Orpheus. (Plaster.)
 116. On the Banks of the Oise. (Bronze.)
Tilden, Douglas, Paris.
 117. Young Acrobat. (Bronze.)
 118. Baseball Player. (Plaster.)
 119. Tired Boxer. (Plaster.)
 120. Indian Bear Hunt. (Bronze.)
Triebel, Frederick E., Florence.
 121. Medallion of Savonarola. (Plaster.)
 122. Medallion of Donatello. (Plaster.)
 123. Mysterious Music. (Bronze.)
 124. Love Knows no Caste. (Marble.)
 125. Bust of Gen. John A. Logan. (Marble.)
 126. The First Fish. (Marble.)
 127. Bust of Rev. Edwin B. Russell. (Marble.)
Turner, William G., Florence.
 128. A Dream. (Marble.)
 129. Fisherman's Daughter. (Marble.)
 130. The Herald of Peace. (Bronze.)
 131. Rhoda. (Marble.)
Varney, Luella, Rome.
 132. Mark Twain. (Bronze.)
 133. Portrait of a Lady. (Marble.)
Volk, Leonard W., Chicago.
 134. Bust of Colonel Hascall, U. S. A. (Marble.)
 135. Bust of a Lady. (Marble.)
Warner, Olin L., New York.
 136. Diana. (Plaster.)
 137. Medallion of Joseph, Chief of the Nez Perces Indians. (Bronze.)
 138. Medallion of Columbia River Indians. (Bronze.)
 139. Portrait of J. Alden Weir. (Bronze.)
 140. Portrait of a Baby. (Bronze.)
 141. Bust of Mozart. (Plaster.)
 142. Model for a Caryatid. (Plaster.)
Wesselhæft, F. G., Boston.
 143. Titania and Bottom. (Plaster.)
 144. African Head. (Plaster.)
White, Alfred, Paris.
 145. Portrait of Monsieur M. (Plaster.)
Whitney, Anna, Boston.
 146. Roma. (Plaster.)
Wuertz, Emil H., Chicago.
 147. Murmur of the Sea. (Plaster.)
Zearing, H. H., Chicago.
 148. Bas-relief of Abraham Lincoln. (Bronze.)
- GROUP 140.**
- Paintings in Oil.**
- Albright, A. E., Chicago.**
 149. Morning-glories.
Alexander, Henry, New York.
 150. Chinese Interior.
Allen, Thomas, Boston.
 151. Moonrise.
 152. Thoroughbreds. (Owned by Mrs. Thomas Allen, Pittsfield, Mass.)
 153. Under the Willows.
 154. Coming Through the Wood.
Allen, W. S., New York.
 155. Evening at the Lake.
Amsden, William T., New York.
 156. Spanish Meadows.
Anderson, David J., Woodridge, N. J.
 157. Landscape.

UNITED STATES.

158. **Armstrong, Maitland, New York.**
"White House," Pont Aven, Brittany.
159. **Baer, William J., New York.**
Day Dream.
160. **Baird, W. D., Paris.**
Waiting Their Turn.
161. **Baker, Ellen Kendall, Puteaux, France.**
Sans Souci.
162. **Baker, Mary K., Boston.**
Chrysanthemums.
163. **Baker, William Bliss (deceased).**
Silence.
Lent by Thomas B. Clarke, New York.
164. **Barnard, E. H., Boston.**
Middy.
165. **Bates, Dewey, Cookham Dene, Berkshire, England.**
Portrait of E. H. B.
166. **Beaux, Cecilia, Philadelphia.**
Spring. (Owned by Mrs. A. C. C. Bere, London.)
167. **Beck, Carol H., Philadelphia.**
Last Days of Infancy.
168. **Beckwith, Carroll, New York.**
Portrait of a Boy.
169. **Beckwith, Carroll, New York.**
Portrait of Governor Pattison. (Owned by Hon. R. E. Pattison, Harrisburg, Pa.)
170. **Beckwith, Carroll, New York.**
Portrait.
171. **Beckwith, Carroll, New York.**
Mr. Isaacson.
172. **Bell, E. A., New York.**
Portrait of Miss E. A. H.
Lent by Miss Hall, New York.
173. **Bell, E. A., New York.**
Portrait. Study of a Lady in Gray.
174. **Benedict, Enella, Lake Forest, Ill.**
Brittany Children.
175. **Benson, Frank W., Salem, Mass.**
Figure in White.
176. **Benson, Frank W., Salem, Mass.**
Portrait in White.
177. **Benson, Frank W., Salem, Mass.**
Girl with a Red Shawl. (Owned by Mrs. David Kimball, Boston.)
178. **Bicknell, Frank A., Paris.**
An Old Apple Orchard.
179. **Bigelow, D. F., Chicago.**
Along the River Oise.
180. **Bigelow, D. F., Chicago.**
Lake Champlain and the Adirondacks.
181. **Bisbing, Henry S., Paris.**
On the River Shore.
182. **Blackman, Walter, London.**
Afternoon in the Meadow.
183. **Blackman, Walter, London.**
Lapsing Waves on Quiet Shore.
184. **Blackman, Walter, London.**
A Capri Belle.
185. **Blakelock, R. A.**
Moonlight.
Lent by W. M. Laffan, New York.
186. **Blashfield, Edwin H., New York.**
Cloverdale.
Lent by Thomas B. Clarke, New York.
187. **Blashfield, Edwin H., New York.**
The Angel with the Flaming Sword.
188. **Blashfield, Edwin H., New York.**
Christmas Bells.
189. **Blashfield, Edwin H., New York.**
Portrait.
190. **Blashfield, Edwin H., New York.**
Contentment.
191. **Bogert, George H., New York.**
Portrait of El Señor Don Roderigo de Saavedra. (Owned by Roderigo de Saavedra, Jr., Royal Spanish Legation, Washington.)
192. **Bogert, George H., New York.**
Morning.
193. **Bogert, George H., New York.**
Moonlight.
194. **Boggs, Frank M., Paris.**
Fishing Boats Going Out, Isigny, France. (Owned by James H. Dole, Chicago.)
195. **Boggs, Frank M., Paris.**
Brooklyn Bridge.
196. **Boston, Joseph H., Brooklyn.**
Gladys. A Portrait.
197. **Boughton, George H., Care of Messrs. Dunthorne, London.**
An English Spring Day.
198. **Boutwood, Charles E., Chicago.**
Portrait of Hon. C. B. Farwell. (Owned by Mrs. Dudley Winston, Chicago.)
199. **Boyden, Dwight Frederic, Paris.**
The Pines of Mauve.
200. **Bregler, Charles, Philadelphia.**
Portrait of a Woman. (Owned by Mrs. Wm. Bregler, Philadelphia.)
201. **Bridgman, F. A., Paris.**
Passage of the Red Sea.
202. **Bridgman, F. A., Paris.**
Women at the Mosque, Algiers.
203. **Bridgman, F. A., Paris.**
In a Village at El Biar, Algiers.
204. **Bridgman, F. A., Paris.**
Day Dreams.
205. **Bristol, J. B., New York.**
Mount Chocorua, N. H.
206. **Brooks, A. F., Chicago.**
The Primrose Way.
207. **Brouwer, T. A., Jr., East Hampton, L. I.**
Musk Melons.
208. **Brown, J. Appleton, New York.**
Springtime.
209. **Brown, J. G., New York.**
A Card Trick.
210. **Brown, J. G., New York.**
The Stump Speech.
211. **Brown, J. G., New York.**
Training the Dog.
212. **Brown, J. G., New York.**
Pull for The Shore.
Lent by Isidore Strauss, New York.
213. **Brown, J. G., New York.**
Homeward Bound.
Lent by W. T. Evans, New York.
214. **Brown, J. G., New York.**
At the Old Cottage.
Lent by Gilbert Gaul, New York.
215. **Brown, J. G., New York.**
When we Were Girls.
Lent by E. Asiel, New York.
216. **Brown, Matilda, New York.**
An Unwilling Model.
217. **Brown, Walter Francis, Venice.**
Roscona, Sunrise.
218. **Browne, Charles Francis, Chicago.**
Old Poplar Trees.
219. **Browne, Charles Francis, Chicago.**
Sand Dunes of Drummadoon, Arran.
220. **Browne, Charles Francis, Chicago.**
Back from the Beach, Cape Ann.
221. **Browne, Charles Francis, Chicago.**
On the Oise, France.
222. **Brush, George de Forest, New York.**
Mother and Child.
Lent by J. M. Sears, Boston.
223. **Brush, George de Forest, New York.**
The Indian and the Lily.
Lent by C. D. Miller, Jersey City.
224. **Brush, George de Forest, New York.**
The Head Dress.
Lent by H. H. Fay, Boston.
225. **Bryant, Wallace, Boston.**
The Sculptor and the King.
226. **Bryant, Wallace, Boston.**
Noon.
227. **Bunker, Caroline, Boston.**
Study of Snowballs. (Owned by Mrs. F. D. Cross, Providence.)
228. **Bunker, Caroline, Boston.**
Wheat Stacks, Afternoon Sunshine.
229. **Bunker, Caroline, Boston.**
Goosefield.

DEPARTMENT K.—FINE ARTS.

- Bush-Brown, Mrs. M. Lesley, Newburg, N. Y.
230. Fragment of Mural Decoration for Music Room.
- Butler, George B.
231. Girl with Tambourine.
Lent by W. C. Brownell, New York.
- Butler, Herbert, Chicago.
232. Hard Times.
- Butler, Howard Russell, New York.
233. Seaweed Gatherers, Finistere, France.
234. Church of Guadalupe, Aguas Calientes, Mex.
235. Marine.
- Buttles, Mary, New York.
236. Julie.
237. Peasant Woman of Alsace.
- Cady, Henry N., Philadelphia.
238. Sunset at Narragansett Pier.
- Cain, Neville, Louisville.
239. The Satyr and the Traveler.
- Caliga, I. H., Boston.
240. Portrait. (Owned by Robert F. Herrick, Brookline, Mass.)
- Cameron, Edgar S., Chicago.
241. In the Studio.
- Candidus, Harry W. T., Munich.
242. Landscape.
- Carl, Kate A., Paris.
243. Head of a Man.
- Cauldwell, Leslie, Paris.
244. A Sun Bath.
245. A Breton Garden.
246. A Daughter of Eve.
- Chapman, Carlton T., New York.
247. Five O'clock at St. Ives, England.
248. On Cape Ann.
Lent by Mrs. John Hutton, New York.
- Chase, Harry.
249. At Anchor off Scheveningen. (Owned by Mrs. Harry Chase, St. Louis.)
250. The Battery Park. (Owned by Mrs. Harry Chase, St. Louis.)
- Chase, William M., New York.
251. Lady in Pink.
252. Portrait of Miss L.
253. Alice. A Portrait.
254. Meditation. A Portrait.
255. Portrait of Mrs E.
Lent by Mrs. E.
256. Lilliputian Boats in the Park.
Lent by R. L. Knoedler, New York.
- Church, F. S., New York.
257. Knowledge is Power. (Owned by C. L. Freer, Detroit.)
258. The Viking's Daughter.
Lent by John Gellatly, New York.
- Churchill, W. W., Boston.
259. Portrait.
- Clark, Rose, Buffalo.
260. Mother and Child.
- Clark, Walter, New York.
261. Spring.
- Clarke, Thomas Shields, Pittsburg.
262. A Fool's Fool. (Owned by Pennsylvania Academy of Fine Arts.)
263. Night Market, Morocco.
264. A Gondola Girl.
265. Portrait of Madame d'E.
- Clawson, John W., Paris.
266. Santa Maria della Salute, Venice.
- Clements, Gabrielle D., Philadelphia.
267. Andarina.
- Clinedinst, B. W., New York.
268. The Water Colorist.
269. Monsieur's Mail.
- Cobb, Arthur Murray, Giverny, France.
270. First Snow.
- Cochrane, J. G., Boston.
271. Old Stone Stairway, Pont Aven, France.
- Coffin, Elizabeth R., Brooklyn.
272. Hanging the Net.
- Coffin, Esther L., New York.
273. Grapes.
- Coffin, William A., New York.
274. A Pennsylvania Farm After a Thunder Shower.
275. Moonlight in Harvest.
276. Twilight. (Owned by John B. Ladd, Brooklyn.)
277. Early Morning. (Owned by W. Seward Webb, New York.)
278. Evening. (Owned by J. W. Lichtnauer, New York.)
279. September Breeze. (Owned by W. Seward Webb, New York.)
- Cohen, George W., New York.)
280. A Tale of the Sea.
- Collins, Alfred Q., New York.
281. Portrait of Mr. Joe Evans. (Owned by Mr. Joe Evans, New York.)
- Colman, Samuel, Newport.
282. Mexican Hacienda.
283. Mt. Tacoma from Puget Sound.
284. The Inner Gorge of the Grand Cañon of the Colorado.
- Coman, Mrs. Charlotte B., New York.
285. The Road to Town.
286. A Stony Brook.
- Conant, Lucy S., Boston.
287. The Orchid Meadow.
- Connah, Douglas John, New York.
288. Douglas John Connah. (Owned by Mrs. John Connah.)
- Cooper, Colin C., Philadelphia.
289. Portrait of a Lady.
290. Portrait. (Owned by Gen. St. Clair A. Mulholland, Philadelphia.)
- Corner, Thomas A., Baltimore.
291. Mother and Child.
292. Industry.
- Corwin, Charles O., Chicago.
293. Edge of the Clearing.
- Couse, Eanger I., Paris.
294. My First Born.
295. Milking Time.
- Cox, Kenyon, New York.
296. Painting and Poetry.
297. An Eclogue.
298. Diana.
299. The Pursuit of the Ideal.
300. Music. (Owned by F. N. Finney, Milwaukee.)
301. Echo.
302. May.
303. Portrait of L. H. K. (Owned by Mrs. Kenyon Cox.)
304. A Solo.
305. Portrait of St. Gaudens.
Lent by Augustus St. Gaudens, New York.

UNITED STATES.

306. Flying Shadows.
Lent by Stanford White, New York.
Cox, Louise (Louise H. King), New York.
307. A Rondel.
308. The Lotos Eaters.
Craig, Thomas B., New York.
309. Upland Pasture (Morning).
Cranch, Mrs. C. A., Boston.
310. Portrait of Mrs. E. D. Cranch. (Owned by Mrs. E. D. Cranch, Cambridge.)
Crane, Bruce.
311. The Harvest Field.
Lent by Andrew Carnegie.
Cunningham, J. Wilton, Paris.
312. Caught in the Briars.
313. For my Rabbits.
Curran, Charles C., New York.
314. Winter Morning in a Barnyard. (Owned by Mr. George I. Tyson, New York.)
315. Salle de la Venus de Milo. (Owned by H. T. Shriver, New York.)
316. Sealing the Letter. (Owned by Mr. Henderson, Minneapolis.)
317. The Iris Bed. (Owned by Wm. S. Hollingsworth, New York.)
318. Early Morning in June. (Owned by Samuel T. Shaw.)
319. Winter Fog.
320. A Cabbage Garden. (Owned by Mrs. J. A. Hewlett, Brooklyn.)
321. Under the Awning.
322. A Dream.
323. A Breezy Day.
Lent by Thomas B. Clarke, New York.
324. A Corner in a Barnyard.
Lent by Thomas B. Clarke, New York.
Dannat, Wm. T., Paris.
325. Spanish Women.
Davis, Charles H., Mystic, Conn.
326. Abandoned.
327. Summer Morning.
328. April.
329. On the New England Coast.
330. The Valley.
331. A Winter Evening. (Owned by Thomas E. Waggaman, Washington.)
Day, Francis, New York.
332. A Table d'Hote.
Dean, Walter L., Boston.
333. The Open Sea.
334. Peace.
335. The Seiner's Return.
Dearth, Henry J., East Hampton, L.I.
336. A Long Island Garden.
337. Autumn. (Owned by George G. Tillotson.)
De Camp, Joseph, Boston.
338. Carnation and Black.
De Crano, F. F., Philadelphia.
339. Mentone, France.
De Forest, Lockwood, New York.
340. Moonrise Among the Ruins of Palmyra.
De Haas, M. F. H., New York.
341. New England Coast.
Delachaux, Leon, Paris.
342. The Miller's Son.
343. The Mill in the Meadows.
344. Dellenbaugh, Frederick S., New York.
On the Moquis Cliffs, Arizona.
Deming, E. W., New York.
345. A Mourning Brave.
Denman, Herbert, New York.
346. The Trio.
Dessar, Louis P., Paris.
347. The Fishermen's Departure.
348. Evening. (Owned by Meyer Jonasson, New York.)
349. Study—French Peasant Girl's Head. (Owned by Meyer Jonasson, New York.)
Dewey, Charles Melville, New York.
350. The Prelude of Night.
351. Return of the Hay Boats.
Lent by W. T. Evans, New York.
352. Shadows of the Evening Hour.
Lent by W. T. Evans, New York.
353. The Hush of Day.
Dewing, T. W., New York.
354. Summer Twilight. (Owned by C. L. Freer, Detroit.)
355. A Musician. (Owned by C. L. Freer, Detroit.)
356. Lady in Blue. (Owned by C. L. Freer, Detroit.)
357. A Portrait. } Lent by Stanford White,
358. A Portrait. } New York.
359. Portrait of W. M. Chase.
Lent by W. M. Chase, New York.
360. The Days. (Lent by Miss A. W. Cheney and Miss Louise Cheney, South Manchester, Conn.)
Didier, Ida Joy, Allegheny, Pa.
361. Portrait.
Dielman, Frederick, New York.
362. A New York Arab.
Lent by William Semple, Louisville.
- Dillon, Julia, New York.**
363. Peonies.
Dodson, Sarah P. Ball, Brighton, England.
364. Saint Thekla.
365. Honey of the Hymettus.
Dohn, Pauline A., Chicago.
366. What the Stork Brought.
Donoho, G., Ruger, New York.
367. La Marcellerie.
368. Explorers. (Owned by J. Hull Browning.)
Dow, Arthur W., Ipswich, Mass.
369. Marsh Islands.
- Dube, Mrs. Mattie, New York.**
370. Pumpkins and Onions.
Du Mond, Frank Vincent, New York.
371. Monastic Life.
372. Holy Family.
373. Christ and the Fishermen.
Du Mond, Fred Melville, Paris.
374. A Legend of the Desert.
Dunsmore, John Ward, Detroit.
375. Mozart.
- Duval, Fannie E., Los Angeles, Cal.**
376. Chrysanthemum Garden in California.
377. Study of Onions.
Duveneck, Frank, Cincinnati.
378. Portrait of William Adams.
Dvorak, Frant, Chicago.
379. Mother's Pleasure.

DEPARTMENT K.—FINE ARTS.

- Eakins, Thomas, Philadelphia.**
 380. Mending the Net.
 381. Portrait of Prof. George S. Barker. (Owned by Prof. George S. Barker, Philadelphia.)
 382. The Writing Master.
 383. Portrait of a Lady. (Owned by Miss A. B. Van Buren, Detroit.)
 384. The Sculptor. (Owned by William R. O'Donovan, New York.)
 385. Portrait of Dr. Agnew. (Owned by University of Pennsylvania.)
 386. The Crucifixion.
 387. Cowboys at Home Ranch.
 388. Portrait of William D. Marks. (Owned by William D. Marks, Philadelphia.)
 389. Portrait of Dr. Gross. (Owned by Jefferson Medical College, Philadelphia.)
Eakins, Mrs. Thomas, Philadelphia.
 390. Reflection. (Owned by W. H. Macdowell, Philadelphia.)
Eaton, C. Harry.
 391. Landscape. (Owned by Henry A. Rust, Chicago.)
 392. Normandy Landscape. Lent by W. T. Evans, New York.
 393. Autumnal. Lent by J. D. Grant, San Francisco.
Eaton, Charles Warren, New York.
 394. Woods in Winter.
 395. October.
 396. Moonrise.
 397. On the Maine Coast.
Elwell, D. Jerome, Boston.
 398. Moonrise at Domberg, Zeeland, Holland. (Owned by St. Botolph Club, Boston.)
 399. Bruges, Belgium.
 400. The Moorlands; Cape Ann.
 401. Country of Calmpthout, Belgium.
Emmet, Lydia Field, New York.
 402. The Mere.
 403. Noonday. (Owned by Miss A. B. Phelps, Wilkes Barre, Pa.)
Enneking, John J., Boston.
 404. Salting Sheep.
 405. October Twilight.
 406. Autumn Afternoon.
 407. South Duxbury Clam Digger.
 408. November.
Ertz, Edward, Paris.
 409. Potato Gatherer.
Evans, E., Lehi, Utah.
 410. Harvest. (Owned by J. Rachmiel, Paris.)
Evans, Mrs. M. E., Godfrey, Ill.
 411. September Lane.
Evans, Joe, New York.
 412. The Plainfield Road.
 413. The Red Gate.
Fairchild, Lucia, Boston.
 414. Portrait of a Boy with a Hat. (Owned by Mrs. C. Fairchild.)
Faxon, Wm. Bailey, New York.
 415. Lady in Profile.
 416. Maia.
Fisher, Mark, Stockbridge, England.
 417. A Hampshire Dairy. (Owned by Mr. McCulloch, London.)
 418. Cattle Crossing a Stream.
 419. Summer Afternoon.
 420. A Small Holding.
 421. Timber Wagon, Normandy.
 422. Moonrise.
 423. Teste Valley Meadows.
 424. Sorting the Flock.
 425. Orchard, Normandy.
 426. Evening.
 427. Cows in Orchard (Winter).
Fitz, B. R.
 428. The Reflection. Lent by W. T. Evans, New York.
Flagg, Charles N., Hartford.
 429. Mark Twain. (Owned by Samuel L. Clemens, Hartford.)
Forsyth, W., Indianapolis.
 430. Edge of the Woods.
 431. In the Garden. (Owned by Carl H. Lieber, Indianapolis.)
 432. Landscape. (Owned by L. Weisenberger.)
Foss, Harriet Campbell, New York.
 433. A Flower Maker.
Foster, Ben, New York.
 434. First Days of Spring. (Owned by James T. Pettus, New York.)
 435. The Returning Flock.
 436. A Maine Hillside. (Owned by James T. Pettus, New York.)
 437. In Fontainebleau Forest. (Owned by J. F. Drummond, New York.)
Fowler, Frank, New York.
 438. Portrait. (Owned by Dr. Neftel, New York.)
 439. Portrait of Walter Shirlaw. (Owned by Walter Shirlaw, New York.)
 440. Portrait. Girl in Black.
 441. Portrait. (Owned by H. W. Goodrich, New York.)
 442. Portrait. Lady in White. (Owned by Mrs. Wm. A. Fowler, Brooklyn.)
 443. Figure Study for Ceiling, Hotel Waldorf. (1)
 444. Figure Study for Ceiling, Hotel Waldorf. (2)
 445. Figure Study for Ceiling, Hotel Waldorf. (3)
 446. Figure Study for Ceiling, Hotel Waldorf. (4)
 447. Figure Study for Ceiling, Hotel Waldorf. (5)
 448. Figure Study for Ceiling, Hotel Waldorf. (6)
 449. Figure Study for Ceiling, Hotel Waldorf. (7)
 450. Figure Study for Ceiling, Hotel Waldorf. (8)
Fowler, Mary B. O., New York.
 451. Marie.
Fraser, John A., New York.
 452. An English Spring Morning.
Freer, Frederick W., Chicago.
 453. Portrait of a Lady in Black. (Owned by the Boston Art Club.)
 454. Portrait. (Owned by Henry C. Champ- lin, Chicago.)
 455. Gold Fish. (Owned by James C. Brooks, Chicago.)
Fry, John H., St. Louis.
 456. Labor.
Frye, Miss Gertrude, Philadelphia.
 457. Portrait of G. E. (Owned by F. Evans, Philadelphia.)

UNITED STATES.

- Gardner, Elizabeth, Paris.**
 458. Soap Bubbles. (Owned by Arthur Booth, London.)
 459. At the Water's Edge.
 Lent by W. H. Tailer, Dobb's Ferry, N. Y.
Gaugengigl, I. M., Boston.
 460. The Rehearsal.
 461. The Manuscript. (Owned by Wm. A. Slater, Norwich, Conn.)
 462. The Hat. (Owned by Wm. F. Weld, Boston.)
 463. The Love Song. (Owned by Tavern Club, Boston.)
Gaul, Gilbert, New York.
 464. Charging the Battery.
 Lent by W. T. Evans, New York.
 465. Silenced.
 Lent by W. M. Chase, New York.
Gay, Edward, Mt. Vernon, N. Y.
 466. Mother Earth.
Gay, Walter, Paris.
 467. Charity.
 468. A Gregorian Chant.
 469. A Mass in Brittany.
 470. Dominican Monk.
Gifford, R. Swain, New York.
 471. The Cove Road. (Owned by the Detroit Club.)
 472. Moorlands.
 473. The Seaweed Gatherers.
 474. Over the Summer Sea.
 475. Telegraph Station at Sandy Hook.
 476. Salt Works Padan Aram.
 477. The Rock of Gibraltar.
 Lent by Mrs. H. E. Lawrence, New York.
 478. Landscape.
 Lent by J. B. Wheeler, New York.
 479. Autumn. } Lent by Thomas B.
 480. Nashawena. } Clarke, New York.
 481. Sand Dunes.
 Lent by Mrs. Robt. Carter, New York.
Gill, Mariquita, Paris.
 482. A Grey Day—Giverny.
 483. A Midsummer Morning—Giverny.
Gill, Rosalie Lorraine, New York.
 484. Twilight on St. Ives Bay.
 485. Portrait of Miss Inglis.
Gilman, B. F., Philadelphia.
 486. Portrait.
Goldman, Martha, Pittsburg.
 487. Study. Head.
Gottwald, F. C., Cleveland.
 488. Sunday on the Docks.
 489. Along the Docks.
Graves, Abbott, Boston.
 490. Poppies.
Grayson, Clifford P., Philadelphia.
 491. A Rainy Day at Pont Aven.
 492. November. (Owned by the Art Club, Philadelphia.)
 493. Idle Hours.
Green, C. A. Brooklyn.
 494. Peonies
Green, Frank Russell.
 495. My Sweetheart.
 Lent by Thomas B. Clarke, New York.
Greene, Lillian, Boston.
 496. A Brittany Landscape.
Greenwood, Joseph H., Worcester.
 497. Autumn Oaks.
Grenet, Edward, Levallois-Perret.
 498. Evening Harmony
 499. Grandmother's Return.
 500. Forgotten.
 501. Portrait Study.
Gross, P. A., Paris.
 502. Essegney near Charmes, Vosges.
 503. Road to the Spring.
 504. A Rainy Day.
Grover, Oliver Dennett, Chicago.
 505. Thy Will be Done.
Gutherz, Carl, St. Paul.
 506. Light of the Incarnation.
 507. Arcessita ab Angelis.
 508. Temptation of St. Anthony.
Hale, Ellen Day, Boston.
 509. Under the Vine.
 510. Bessy.
Hale, Philip, Paris.
 511. Old Woman Reading.
Hallowell, Maria, West Medford, Mass.
 512. Portrait.
 513. Portrait. (Owned by Miss A. N. Hallowell.)
Hamilton, E. W. D., Boston.
 514. Evening.
 515. Landscape.
Hamilton, John McLure, London.
 516. The Rt. Hon. W. E. Gladstone at Downing St.
 517. The Knitting Lesson.
Hammer, John J., New York.
 518. Spring Flowers.
Hardie, Robert Gordon, New York.
 519. Portrait of the Artist's Wife.
Harper, W. St. John, Easthampton, L. I.
 520. Autumn, Easthampton.
 Lent by W. T. Evans, New York.
Harris, Charles X., New York.
 521. The Mowers. (Owned by Frederick James, New York.)
Harrison, Alexander, Paris.
 522. In Arcadia.
 523. The Bathers.
 524. Misty Morning.
 525. Marine.
 526. Twilight. (Lent by St. Louis Museum of Fine Arts.)
Harrison, Birge, Paris.
 527. The Surprise (in the Forest of Compeigne).
 528. The Return of the Mayflower.
Hartwich, Herman, Munich.
 529. Bleachery in Lombardy.
Harwood, J. T., New York.
 530. Preparing Dinner.
Hasbrook, D. F., New York.
 531. A Winter Morning in the Catskills. (Owned by E. W. Gillett, Chicago.)
Haskell, Ida C., New York.
 532. Mother Love.
Hassam, Childe, New York.
 533. Autumn Landscape.
 534. On the Way to the Grand Prix.
 535. Midsummer Morning.
 536. Cab Station, Rue Bonaparte, Paris.
 537. Snowy Day on Fifth Avenue.

DEPARTMENT K.—FINE ARTS.

538. Indian Summer, Madison Square.
Hatfield, J. H., Canton Jet, Mass.
539. The Doll's Bath.
540. A Letter from Papa.
Hayden, Charles H., Boston.
541. A Quiet Morning, October.
542. Cattle and Landscape.
543. Pasture Land, Connecticut.
Hayden, Edward Parker.
544. October Sunlight.
Haynes, C. Coventry.
545. At your Home.
- 545½. Poplars.
546. Portrait. (Owned by Mrs. F. W. Haynes.)
Healy, G. P. A., Chicago.
547. Portrait of Adolphe Thiers. (Owned by Newberry Library, Chicago.)
Heberer, Charles, St. Louis.
548. End of November.
Helmold, Adele von, Philadelphia.
549. Marigolds.
Henry, Edward L., New York.
550. The County Fair. (Owned by W. F. Havemeyer, New York.)
551. The Wedding Day. (Owned by Mr. Dickinson, Mt. Holyoke, Mass.)
Herter, Albert, New York.
552. Portrait of Mrs. H.
Hess, Lydia Purdy, Chicago.
553. Portrait of Miss E. H. (Owned by Miss Ena Hutchison, Mineral Point, Wis.)
Hetzl, George, Pittsburg.
554. Wood Scene.
555. Study from Nature.
Hill, Roswell S., New York.
556. Young Girl Reading.
Hipple, Sarah Levis, Philadelphia.
557. Sardine Fishing Boats. (Owned by Mrs. F. K. Hipple, Philadelphia.)
558. The Road to Puteaux. (Owned by Mrs. F. K. Hipple, Philadelphia.)
Hitchcock, George.
559. Tulip Culture.
560. The Scarecrow.
Hitchcock, Lucius, Paris.
561. Summer.
562. **Hodgkins, Belle D., Salem.**
563. Venice.
564. Young Warrior.
Holme, Lucy D., Philadelphia.
565. A Holiday Occupation.
Homer, Winslow, Scarborough, Maine.
566. Dressing for the Carnival.
567. A Great Gale.
568. Camp Fire.
569. Eight Bells.
570. March Wind.
571. Coast in Winter.
572. The Two Guides.
The above seven paintings were lent by Thomas B. Clarke, New York.
573. Sailors Take Warning (Sunset).
574. Hound and Hunter.
575. Lost on the Grand Banks.
576. The Fog Warning.
577. Herring Fishing.
578. Coast in Winter.
Lent by John G. Johnson, Philadelphia.
579. Sunlight on the Coast.
Lent by John G. Johnson, Philadelphia.
- Horsfall, Bruce, Clinton, Iowa.**
580. The Musical Hour.
Hovenden, Thomas, Plymouth Meeting, Pa.
581. Breaking Home Ties. (Owned by George Harrison, Devon, Pa.)
582. Bringing Home the Bride.
583. When Hope was Darkest.
Howe, William H., Paris.
584. Return of the Herd.
585. Norman Bull.
586. Morning, Karton Hof Meadows, Holland.
587. Early Start to Market, Holland.
Howes, Edith M., Boston.
588. In the Orchard.
Howland, A. C., New York.
589. Fourth of July Parade. (Owned by W. H. Fuller, New York.)
Huntington, Daniel, New York.
590. The Goldsmith's Daughter.
591. Elise.
592. Portrait of Hon. Seth Low.
593. Portrait of Elliott F. Shepard, Jr.
Inness, George, Montclair, N. J.
594. Sundown in the Lane.
595. Threatening.
596. End of the Shower.
597. Nine O'clock.
598. Sunny Autumn Day.
599. Winter Morning.
600. A Gray, Lowery Day.
601. White Mountain Valley.
602. September Afternoon.
603. Twilight.
604. Near Marshfield.
605. Sunburst.
606. Millpond.
607. Delaware Valley.
The above fourteen paintings were lent by Thomas B. Clarke, New York.
608. A Day in June.
Ipsen, Ernest, Boston.
609. Interior of a New England Blacksmith Shop.
Irwin, Benoni, New York.
610. Sweet Sixteen.
611. Portrait of Herbert Herkomer.
Isham, Samuel, New York.
612. Portrait of a Lady.
Ives, Percy, Paris.
613. Brittany Fishermen.
James, Frederick, New York.
614. An Impromptu Affair in the Days of "The Code."
Jamison, Henrietta L., Columbus.
615. The Lanterns.
Jenkins, H. T., Philadelphia.
616. Landscape.
617. Still Life.
Johns, Laura A., New York.
618. Apple Trees in Sunlight. (Owned by Mrs. H. C. Johns, Decatur.)
Johnson, Eastman, New York.
619. Portrait of Dr. McCosh.
Lent by Alex. Maitland, New York.
620. The Nantucket School of Philosophy.
Lent by E. D. Adams, New York.

UNITED STATES.

621. The Cranberry Harvest, Nantucket Island.
Lent by Auguste Richard, New York.
622. Portrait of a Girl.
Lent by D. L. Einstein, New York.
623. Two Men.
624. My Portrait.
Johnston, Humphreys, Paris.
625. Study in a Granada Garden.
626. Study of Breton Peasants (Late Afternoon).
627. Moorish Fountain in the Church of Santa Maria del Alhambra.
Jones, Francis C., New York.
628. Exchanging Confidences.
Lent by Thomas B. Clarke, New York.
629. On the White Sand Dunes.
Lent by John Gellatly, New York.
630. The Favorite Grandchild.
Jones, H. Bolton, New York.
631. Spring.
632. The Flax Breaker.
Lent by R. J. Menefee, Louisville.
Kappes, Alfred.
633. Rent Day.
Lent by Thomas B. Clarke, New York.
634. Tattered and Torn.
Lent by Boston Art Club.
Kavanagh, John, Cleveland.
635. Washer-women.
Keith, Mrs. Dora Wheeler, New York.
636. Portrait of Lawrence Hutton. (Owned by Lawrence Hutton, New York.)
Keith, William, San Francisco.
637. Autumn Sunset.
Keller, Charles F., Munich.
638. Canal at Schleisheim, near Munich.
Kellogg, Alice D., Chicago.
639. Intermezzo.
640. The Mother.
Kendall, Wm. Sargeant, New York.
641. The Glory of Fair Promise.
642. Saint Yves, Pray for Us.
Ketcham, Susan M., New York.
643. Portrait of a Lady.
King, James S., Upper Montclair, N. J.
644. Evening Glow.
Knight, Arthur, Milwaukee.
645. Moonrise in Brittany.
Knight, D. Ridgway, Paris.
646. Hailing the Ferry. (Owned by the Academy of Fine Arts, Philadelphia.)
Koehler, Robert, New York.
647. The Strike.
648. The Carpenter's Family.
Köhler, Robert, New York.
649. At the Cafe.
Koopman, August B., New York.
650. Asking a Blessing.
651. The Orphans.
652. Dreaming of One Afar.
Kronberg, Louis, Boston.
653. Behind the Footlights.
LaFarge, John, New York.
654. Venetian Guitar Player.
655. Visit of Nicodemus to Christ.
656. Study of a Boy's Head.
Lent by Edward W. Hooper, Cambridge, Mass.
657. Half of the Wise Men From the East.
Lent by the Museum of Fine Arts, Boston.
Lamb, Ella Condie, New York.
658. The Advent Angel.
Lamb, F. M., Houghton, Mass.
659. End of the Trail.
Lambert, John, Jr., Philadelphia.
660. Portrait. (Owned by Mrs. Lambert, Philadelphia.)
661. A Commissioner.
662. Landscape, Midday.
Lampert, Emma E., Rochester.
663. Behind the Dunes.
664. A Hillside in Picardy.
Lathrop, Clara W., Northampton.
665. At the Flower Market.
Lee, Laura, Boston.
666. Retrospection.
Leigh, William R., Munich.
667. End of the Play.
- 667½. A New Acquaintance.
Loomis, Chester, Englewood, N. J.
668. Memoria.
669. Hester.
Lorenz, Richard, Milwaukee.
670. Aloné.
Loring, Francis W., Florence.
671. Great Bridge at Chioggia.
Low, Will H., New York.
672. A Portrait.
Lent by W. T. Evans, New York.
673. Love Disarmed.
Lent by Gardiner G. Hubbard, Washington, D. C.
674. A Woodland Glade.
675. In An Old Garden.
Lent by Dr. C. B. Kelsey, New York.
Lownes, Anna, Philadelphia.
676. The Raven.
Lucas, A. P., Paris.
677. Music.
Lutz, Lewis C., Cincinnati.
678. Portrait of J. H. Gest. (Owned by Mrs. J. H. Gest.)
Lyman, Joseph, New York.
679. Sand Dunes at Annisquam, Mass.
680. Early Snow in the Adirondacks.
Macomber, M. L., Waverly, Mass.
681. Love Awakening Memory. (Owned by Elizabeth Howell, Boston.)
682. The Annunciation. (Owned by D. P. Kimball, Boston.)
MacDowell, Elizabeth, Philadelphia.
683. Day Dreams. (Owned by Walter MacDowell, Philadelphia.)
Mac Monnies, Mary Fairchild, Paris.
684. June Morning.
Lent by St. Louis Museum of Fine Arts.
685. Tea al Fresco.
Major, Ernest L., Boston.
686. Youth.
687. St. Genevieve.
688. Portrait. (Owned by Mrs. S. Clark, Williamstown.)

DEPARTMENT K.—FINE ARTS.

- Marr, Carl, Munich.**
 689. Summer Afternoon. (Owned by Mrs. Hearst, Washington.)
 690. The Flagellants.
Martin, Homer D., New York.
 691. Behind the Dunes, Lake Ontario.
 692. Mussel Gatherers at Villerville, Normandy. (Owned by F. L. Gunther, New York.)
 693. Old Manor at Cricquebœuf. (Owned by Dr. D. L. Stimson, New York.)
 694. Head Waters of the Hudson.
 Lent by Thomas B. Clarke, New York.
Mathews, Arthur F., San Francisco.
 695. Judith.
Maynard, George Willoughby, New York.
 696. Civilization. (Owned by the National Academy of Design, New York.)
 697. Portrait of F. D. Millet. (Owned by F. D. Millet, New York.)
 698. Flora.
 699. Pomona.
Maynard, Guy F., Chicago.
 700. Looking Out. (Owned by P. C. Maynard, Chicago.)
 701. Dutch Interior. (Owned by P. C. Maynard, Chicago.)
McComb, R. Lee, Paris.
 702. Summer Time.
McCormick, M. Evelyn, San Francisco.
 703. Afternoon, Old San Luis Rey Mission, Cal.
 704. Morning at Giverny, France.
McEwen, Walter, Paris.
 705. Judgment of Paris. (Owned by Albert A. Munger, Chicago.)
 706. The Witches.
 707. The Absent One. (All Soul's Day.)
 708. Telling Ghost Stories.
McIlhenney, C. Morgan, Shrub Oak, N. Y.
 709. On the Beach.
Meeks, Eugene, Florence.
 710. Macaroni Hot.
 711. Ready for the Chase.
Melchers, Gari, Paris.
 712. Communion.
 713. The Sermon. (Owned by Potter Palmer, Chicago.)
 714. The Pilots.
 715. The Nativity.
 716. Skaters.
 717. Portrait of Mrs. H.
 718. Married.
Merritt, Mrs. Anna Lea, Andover, Hampshire, England.
 719. Love Locked Out.
 720. Portrait of Mrs. Reginald De Koven. (Owned by Mrs. Joseph Lea, Philadelphia.)
Metcalf, W. L., New York.
 721. Tunisian Market.
 Lent by H. R. Astor Carey.
 722. Road to the Village, Normandy. Summer Twilight.
Meteyard, T. B., Paris.
 723. Iris Meadows.
 724. Road at Giverny.
Miller, Charles H., New York.
 725. The East River, New York.
 726. A Gray Day on Long Island.
Millet, F. D., New York.
 727. Antony Van Corlaer, the Trumpeter.
 728. Old Harmonies.
 729. Sweet Melodies. (Owned by C. L. Freer, Detroit.)
 730. Rook and Pigeon.
 Lent by H. McK. Twombly, New York.
 731. A Difficult Duet.
 Lent by Mrs. C. M. Raymond, New York.
 732. At the Inn.
 Lent by Union League Club, New York.
 733. Lacing the Sandal.
 Lent by Thomas B. Clarke, New York.
 734. The Window Seat.
 Lent by Charles Fairchild, Boston.
Minor, Robert C., New York.
 735. Autumn.
 736. Evening.
 737. The Close of Day.
 Lent by W. T. Evans, New York.
Moeller, Louis.
 738. Stubborn. {
 739. Searching. }
 Lent by Thomas B. Clarke, New York.
Moore, H. Humphrey, Paris.
 740. Japanese Musicians.
Moran, P. See 1153½.
Moran, Thomas. See 1152, 1153.
Moran, Edward, New York.
 741. The White Squadron's Farewell Salute to Commodore John Ericsson.
 742. The First Ship Entering New York Harbor.
 743. Life Saving Patrol, New Jersey Coast.
Moran, Leon, New York.
 744. Back from the Postoffice.
Morris, Jennie H., Moorestown, N. J.
 745. A Corner in a Turkish Bazaar.
 746. Still Life.
Mowbray, H. Siddons, New York.
 747. Rose Harvest.
 Lent by T. Helman, New York.
 748. Arcadia.
 Lent by W. T. Evans, New York.
 749. Scheherazade. (Arabian Knights.)
 Lent by Thomas B. Clarke, New York.
 750. The Evening Breeze.
 Lent by Thomas B. Clarke, New York.
Muhrman, Henry, London.
 751. The Two Trees.
Munger, Gilbert, Paris.
 752. The Rising Moon.
Munsell, Albert H., Boston.
 753. The Sea.
 754. Danger Ahead.
 755. Beacon Hill in Winter.
Murphy, J. Francis, New York.
 756. November Grays.
 757. The Hazy Morn.
Needham, Charles Austin, New York.
 758. Near Factory Hollow, Turner's Falls, Massachusetts.
 759. Mott Haven, Canal, New York City.

UNITED STATES.

760. Street in New York City.
Nehlig, Victor.
761. Pocahontas.
Nettleton, Walter, Finistere, France.
762. Approach of Harvest Time.
763. December Sunshine.
764. Watching for the Return of the Fishing Fleet.
765. Teasel Gatherer.
766. Left in Charge of the Farmyard.
767. A Dark Interior.
Newcomb, Mrs. Marie Guise, New York.
768. Sheep in the Clearing.
Newman, Carl, Philadelphia.
769. A Study. (Owned by Chas. M. Chabot.)
Nicoll, J. C., New York.
770. Sunlight on the Sea.
771. Will it Rain To-morrow?
Niles, Edward Glover, Boston.
772. Portrait.
Norcross, Eleanor, Paris.
773. In My Studio.
Norton, S. Mary, Boston.
774. In the Locomotive Cab.
775. A Tea Party.
Norton, William E., London.
776. Moonlight on the River. (Owned by Williams & Everett, Boston.)
777. Return of the Herring Fleet, Holland.
778. A Moment's Rest.
779. Off the Dutch Coast.
780. Mid Channel.
Nourse, Elizabeth, Paris.
781. The Reader.
782. Good Friday, Rome.
783. A Family Meal.
Ochtman, Leonard, New York.
784. Night.
785. Harvesting by Moonlight.
786. Along the Mianus River.
Palmer, Walter L., Albany.
787. Autumn Morning Mist Clearing Away. (Owned by John G. Myers, Albany.)
788. An Early Snow.
789. January.
Lent by Thomas B. Clarke, New York.
790. **Pape, Frederic L. M., Paris.**
Site of Ancient Memphis.
- Parrish, Stephen, Philadelphia.**
791. A Mountain Road.
792. An Orchard.
793. Winter Sunset, Cape Cod.
794. Winter in New Hampshire.
795. Evening.
Parshall, DeWitt, Paris.
796. The Cliffs of Ayerne,
Parsons, Orrin Sheldon, New York.
797. Tennis.
798. Lady in Black. (Owned by J. L. M. Hunt, New York.)
Parton, Arthur, New York.
799. Evening After the Rain. (Owned by George I. Seney.)
800. In the Month of May.
Lent by W. T. Evans, New York.
- Pattison, James Wm., Jacksonville, Ill.**
801. Sheep.
Pauli, Richard (deceased).
802. Sunset in New Jersey. (Owned by Mrs. Pauli, Leonia, N. J.)
- Paulus, Francis P., Munich.**
803. A Rainy Day.
Paxton, Wm. M., Boston.
804. An Idyl.
Pearce, Charles Sprague, Auvers Sur Oise, France.
805. Mother and Child. (Owned by Hon. Lewis Emery, Bradford, Pa.)
806. The Annunciation.
807. The Shepherdess.
808. A Village Funeral (Brittany).
809. Portrait of Mrs. P.
810. Portrait of Mrs. P.
Peck, Orrin, Arcis Strasse, Munich.
811. Love's Token. (Owned by Mrs. P. A. Hearst, Washington.)
- Peixotto, George D. Maduro, Paris**
812. Portrait of a Child. (Owned by Senator J. P. Jones, California.)
- Penfold, Frank C., Buffalo.**
813. Herring Season, Pas de Calais.
Peralta, S. B. de, Boston.
814. In the Lilies.
Perry, Lilla C., Boston.
815. Portrait of a Child. (Owned by Roger Wolcott, Boston.)
816. Portrait of Alice.
817. Child in a Window.
818. Child with Violoncello.
819. Little Angèle.
820. Reflection.
821. An Open Air Concert.
Perry, Roland Hinton, Paris.
822. Portrait of Mrs. Perry.
Peters, Clinton, Paris.
823. Portrait of Dr. George J. Bull. (Owned by Dr. George J. Bull, Paris.)
824. Portrait of Mlle. N. C.
Peyraud, F. C., Chicago.
825. Evening.
826. Autumn Morning.
Phelps, Helen Watson, New York.
827. Abandon.
Picknell, William L., New York.
828. Sunday Morning.
- 428a. Early Morning.
829. The Road to Concarneau.
Lent by Thomas B. Clarke, New York.
830. The Edge of Winter.
Lent by F. A. Hammond, New York.
- Pierce, Charles F., Boston.**
831. A New England Pasture.
Platt, Charles A., New York.
832. Winter Landscape.
833. Early Spring.
Poore, H. R., Philadelphia.
834. The Bridge.
835. Nativity.
Pritchard, J. Ambrose, Boston.
836. Prayer.
Putnam, Sarah G.
837. Portrait. (Owned by Elizabeth R. Hooper, Boston.)
- Ramsdell, F. Winthrop, Paris.**
838. Twilight at Grèz. (Owned by T. J. Ramsdell, Manistee, Mich.)
839. Portrait of Mrs. Reynolds. (Owned by T. J. Ramsdell.)
Raught, John Willard, New York.
840. The Highway, Brittany.
841. Gorse Cutters, Brittany.

DEPARTMENT K.—FINE ARTS.

842. **Rehn, F. K. M., New York.**
Where Waves and Sunshine Meet.
843. **Reid, Robert, New York.**
Vision of Sta. Angela d'Angant.
844. The Red Flower.
845. Portrait of Little Miss S. (Owned by Mrs. L. H. Stevens, New York.)
846. Her First Born.
Reinhart, C. S., New York.
Awaiting the Absent.
847. Washed Ashore.
848. **Rice, Wm. M. J., New York.**
849. Portrait.
850. Portrait.
851. Landscape, Evening Clouds.
852. **Richards, Samuel, Denver.**
Blissful Hours. (Owned by David Gebhart, Dayton, Ohio.)
853. The Hour of Prayer.
Lent by Mrs. L. Richards, Denver.
Richards, William T., Newport.
854. February. (Owned by Edward H. Coates, Philadelphia.)
855. Old Ocean's Gray and Melancholy Waste. (Owned by Edward H. Coates, Philadelphia.)
- Richardson, F. H., Boston.**
856. Breton Widow at Prayer.
- Robbins, L. Lee, Paris.**
857. My Portrait.
858. My Mother's Portrait.
859. Before the Looking Glass.
- Robins, Richard, Paris.**
860. Decorative Panel.
Robinson, Theodore, Giverny, France.
861. The Layette.
862. Winter Landscape.
Lent by J. M. Lichtenauer, New York.
863. Roman Fountain.
- Rolshoven, Julius, Paris.**
864. A Spanish Dancer.
865. Hall in a Doge's Palace, Venice.
866. Two Types, Sotto Marina, near Venice.
- Rook, Edward F., Paris.**
867. Moonrise (Normandy).
Rose, Guy, New York.
868. The End of the Day.
869. Potato Gatherers.
870. Food for the Laborers.
- Rosenthal, Toby, Munich.**
871. A Dancing Lesson of Our Grandmothers.
Rudell, P. E., Greenwich, Conn.
872. A November Day.
873. Autumn.
Ryder, Henry Orme, Auburndale, Mass.
874. Old Breton Farmhouse. (Evening).
Sargent, John S., London.
875. Mother and Child. (Owned by Edward Davis.)
876. Portrait of Ellen Terry as Lady Macbeth. (Owned by Henry Irving, London.)
877. Portrait.
878. Study of an Egyptian Girl.
879. Portrait of Mrs. Inches.
880. Portrait. (Owned by F. S. Pratt, Worcester, Mass.)
881. Portrait.
Lent by Augustus St. Gaudens, New York.
882. Portrait.
Lent by Mr. Dunham, New York.
883. Portrait.
Lent by E. F. Shepard, New York.
- Sartain, Emily, Philadelphia.**
884. Marie.
Sartain, Wm., New York.
885. Sand Dunes of Annisquam.
886. Nubian Sheik.
Schilling, Alexander, New York.
887. A Day in Spring. (Owned by Alexis Ludwig, Leonia, N. J.)
888. Landscape. (Owned by A. Ludwig, Leonia, N. J.)
- Schwill, William, Munich.**
889. Nearer, My God, to Thee.
Scott, Frank Edwin, Paris.
890. Parisian Street Scene.
Scott, Jeannette, Paris.
891. Hollyhocks.
Senat, Prosper L., Philadelphia.
892. On the Nile near Beni Hassan.
893. In the Gulf of Ajaccio.
Sewell, Mrs. Amanda Brewster, New York.
894. Pleasures of the Past.
895. Sappho.
896. Portrait of Mrs. Boudinot Keith. (Owned by Mrs. J. M. Wheeler, New York.)
897. Washing Place in the Gatinais.
898. Portrait of Mother and Son.
899. A Sylvan Festival.
900. By the River.
Sewell, Robert, V. V., New York.
901. Diana Hunting.
902. Boys Bathing.
903. Winter.
904. In Shanty Town.
905. Sea Urchins.
Sharp, J. H., Cincinnati.
906. Going to the Race.
Shepley, Annie B., New York.
907. The Wonderful Story.
Sheppard, Warren, Brooklyn.
908. The Restless Sea. (Owned by T. S. Fasset, Tonawanda, N. Y.)
- Shields, Thomas W., Brooklyn.**
909. Cavalier, Time of Louis XIII.
Shirlaw, Walter, New York.
910. Tuning the Bell.
911. Sheep Shearing in the Bavarian Highlands.
912. Rufina. (Owned by Century Association, New York.)
Shurtleff, R. M., New York.
913. Looking East at Sunset.
914. In Autumn Woods.
- Simmons, Edward E., New York.**
915. Early Moonlight Upon Bay St. Ives.
916. Darby and Joan.
917. The Carpenter's Son.
- Singer, Winaretta, Paris.**
918. Spring Study.
Slade, Emily, New York.
919. Portrait of Miss C. C. C.

UNITED STATES.

- Smedley, W. T.**
 920. Embarrassment. Lent by Thomas B. Clarke, New York.
Smillie, George H., New York.
 921. Mill Pond at Ridgefield, Conn.
 922. A Lush Place. (Owned by Washington Wilson, New York.)
 923. From West Mountain, Conn.
Smith, De Cost, New York.
 924. Sioux Lovers. (Owned by E. Reuel Smith, New York.)
 925. Driven Back.
Smith, E. Boyd, Auvers Sur Oise, France.
 926. Return From the Fields.
Smith, Frank Eugene, Munich.
 927. Portrait of My Brother. (Owned by F. L. Smith, New York.)
Smith, Henry P., New York.
 928. Landscape at Waterford, Conn.
 929. Old Oaks at Waterford. (Owned by Latham A. Fish, Brooklyn.)
Smith, J. Francis, St. Louis.
 930. Young Girl of Feuillée.
Sonntag, Wm. L., New York.
 931. Mt. Jefferson and Mt. Adams, White Mountains.
Steele, T. C., Indianapolis.
 932. On the Muscatatuck.
 933. September.
Stephens, Alice Barber, Philadelphia.
 934. Rainy Day Effect in Philadelphia.
 935. Harvesting on the Meadow.
Stewart, Jules L., Paris.
 936. Baptism.
 937. On the Yacht Namouna, Venice, 1890. (Owned by Mrs. Henry P. Borie, Philadelphia.)
 938. Venice. (Owned by James Gordon Bennett, Paris.)
 939. Portrait of the Viscountess de Gouy d'Arcy. (Owned by the Viscountess de Gouy d'Arcy, Paris.)
 940. Portrait of the Baroness Benoist Mechin. (Owned by the Baron Benoist Mechin, Paris.)
 941. The Hunt Ball. (Owned by Essex Club, Newark.)
Stokes, F. W., Philadelphia.
 942. The Orphans.
Story, Julian, Paris.
 943. Mlle. De Sombreuil (Episode of the Revolution).
 944. Portrait of My Father.
 945. Portrait of Mme. Eames Story.
Strickler, John R., Brooklyn
 946. Interrupted.
Stone, J. M., Boston.
 947. Leukopis.
 948. A Summer Dream.
Sword, J. B., Philadelphia.
 949. Off the Scent.
Taggart, George, Watertown, N. Y.
 950. Portrait.
Tarbell, Edmund C., Boston.
 951. Girl and Horse.
 952. In the Orchard.
 953. Portrait.
Thayer, Abbott H., Scarboro, N. Y.
 954. Virgin Enthroned.
 Lent by J. M. Sears, Boston.
 955. Portrait of a Lady.
 Lent by Miss C. F. Stillman, New York.
956. Brother and Sister.
 Lent by A. A. Carey, Boston.
Theriat, C. J., Paris.
 957. Young Girl Spinning (Biskra).
 958. An Arab Goat Herd.
 959. Banks of the Ain Mlili.
 960. Waiting for Supper.
 961. Path in the Oasis of Briskra.
Thomas S. Seymour, Paris.
 962. An Innocent Victim.
Thompson, Wordsworth, New York.
 963. The Deserted Inn.
 964. In the Sweet Summer Time.
 Lent by George H. Babcock, Plainfield, N. J.
Thouren, Henry, Philadelphia.
 965. A Precious Bit.
 966. Up Hill. (Owned by Miss Moss, Philadelphia.)
 967. Resting. (Owned by Mrs. E. A. Thouren, New York.)
 968. Etruria.
 969. A Rainy Prospect. (Owned by Howard Hancock, Philadelphia.)
 970. Patches—Soup. (Owned by Caleb Cresson, Philadelphia.)
Throop, Frances Hunt, New York.
 971. Spring Carnations.
 972. Portrait of a Lady.
Tiffany, Louis C., New York.
 973. Market at Nuremberg.
 974. Market at Nuremberg.
Toaspern, Otto, New York.
 975. Music.
Tolman, Stacy, Boston.
 976. The Etcher.
Tompkins, Clementina M. G., New York.
 977. A Beginner in Art.
Tompkins, F. H., Boston.
 978. Mother and Child. (Owned by Boston Art Club.)
 979. Good Friday.
Towner, Flora L., Albany.
 980. Portrait.
Tracy, John M., Hempstead, L. I.
 981. Southern Field Trails, 1891. (Owned by C. Klackner, New York.)
Trego, William T., North Wales, Pa.
 982. The Pursuit.
 Lent by J. B. Wheeler, New York.
Trotter, Mary K., New York.
 983. Lamplight.
 984. Daphne.
Tryon, D. W., New York.
 985. Autumn. (Owned by C. L. Freer, Detroit.)
 986. Sunset at Sea. (Owned by C. L. Freer, Detroit.)
 987. Rising Moon, Autumn. (Owned by C. L. Freer, Detroit.)
 988. Springtime. (Owned by C. L. Freer, Detroit.)
 989. Morning. (Owned by John Newell, Chicago.)
Tryon, D. W., New York.
 990. Starlight.
 Lent by Thomas B. Clarke, New York.
 991. Night.
 Lent by Thomas B. Clarke, New York.

DEPARTMENT K.—FINE ARTS.

992. October.
Lent by Thomas B. Clarke,
New York.
993. Winter Evening.
Lent by Thomas B. Clarke,
New York.
994. Evening.
Lent by Thomas B. Clarke,
New York.
995. The Rising Moon.
Lent by Charles L. Freer, De-
troit.
996. A Winter Afternoon.
997. December—A Salt Marsh.
Turner, C. Y., New York.
998. The Coppersmith.
999. John Alden's Letter.
1000. The Days That Are No More.
1001. Saw Wood and Say Nothing
1002. Pride of the Farm.
1003. Washing Day.
1004. The Grand Canal, Dordrecht.
Lent by John Taylor Johnston,
New York.
1005. Courtship of Miles Standish.
Lent by Henry C. Howells,
Flushing, L. I.
1006. Afternoon Tea.
Lent by Chester W. Chapin,
New York.
1007. Gossips.
Lent by Thomas B. Clarke,
New York.
1008. On the Beach at Easthampton.
Lent by W. M. Chase, New
York.
- Turner, Ross, Boston.**
1009. Moonlight.
Twachtman, J. H., Greenwich, Conn.
1010. Autumn Shadows.
1011. Winter.
1012. Brook in Winter.
1013. The Brooklyn Bridge. Chas. Scrib-
ner's Sons, New York.
1014. Decorative Landscape.
Tyler, Bayard H., New York.
1015. Waiting.
Tyler, James G., New York.
1016. Norman's Woe. (Owned by J. M.
Jones, New York.)
Ulrich, Chas. F., Munich.
1017. An Italian Idyl.
1018. In the Land of Promise.
Lent by W. T. Evans, New
York.
1019. Glass Blowers.
Lent by Thomas B. Clarke,
New York.
- Vail, Eugene L., Paris.**
1020. On the Thames.
Van Boskerk, Robert W., New York.
1021. A Rhode Island River.
1022. The Hackensack Meadows.
Van Boskerk, R. W., New York.
1023. Sand Road from the Sea. (Owned
by H. R. C. Watson, New York.)
Van Briggle, A., Cincinnati.
1024. Portrait of Mrs. Charity Van Briggle.
Vanderpoel, J. H., Chicago.
1025. Summer Morning in the Orchard.
1026. Portrait of a Lady.
1027. Twilight Reverie.
1028. Blessed are They that Mourn.
1029. Weary. (Owned by C. L. Hutchin-
son, Chicago.)
Van der Weyden, Harry, Paris.
1030. Katwijk Herring Boats.
Van Elten, Kruseman, New York.
1031. Late Autumn.
Van Gorder, L. E., New York.
1032. The Mall Terrace, Central Park.
Vedder, Simon Harmon, Paris.
1033. Head of a Young Girl.
1034. Indian Head.
Vedder, Elihu, Rome.
1035. Delilah.
Lent by Col. J. G. Moore, New
York.
1036. Samson.
Lent by Col. J. G. Moore, New
York.
1037. Morning.
Lent by J. B. Wheeler, New
York.
1038. A Venetian Model.
Lent by Davis Johnson, New
York.
1039. The Cup of Love.
Lent by Mrs. A. F. Rondebush,
New York.
1040. The Young Marsyas.
Lent by Mrs. A. F. Rondebush,
New York.
1041. A Soul in Bondage.
Lent by Mrs. A. F. Rondebush,
New York.
1042. In the Lair of the Sea Serpent.
Lent by the Museum of Fine
Arts, Boston.
1043. The Roe's Egg.
Lent by Martin Brimmer, Bos-
ton.
1044. The Fisherman and the Genie.
Lent by Martin Brimmer, Bos-
ton.
- Vezin, Fred, Munich.**
1045. Dogs.
1046. Boys in a Boat.
Vincent, H. A., Chicago.
1047. Fields in October.
Vinton, Frederick P., Boston.
1048. Portrait of a Lady.
1049. Portrait of Augustus Flagg. (Owned
by Augustus Flagg, Boston.)
1050. Portrait of Theodore Chase. (Owned
by Theodore Chase, Boston.)
1051. Portrait of C. C. Langdell.
Volk, Douglas, Minneapolis.
1052. Mending the Canoe.
1053. Portrait of Madam X.
1054. Puritan Girl.
Lent by Thomas B. Clarke,
New York.
- Vonnoh, Robert W., Philadelphia.**
1055. Bad News.
1056. Early Morning.
1057. November.
1058. Viola.
1059. Moist Weather.
1060. Portrait of Dr. J. M. DaCosta. (Owned
by Jefferson College, Philadelphia.)
1061. Blanche.
1062. Duxbury Bay.
1063. Riva degli Schiavoni.
1064. A Dull Day.
1065. "Now, Behave Pretty."

UNITED STATES.

1066. Studio Comrade. (Owned by Pennsylvania Academy of the Fine Arts.)
Wade, Caroline D., Chicago.
1067. Portrait of a Lady.
Wagner, Jacob, Boston.
1068. Over all the Trees is Rest.
1069. A Bit of a Lark.
Walden, Lionel, Paris.
1070. Boulogne Fishing Boats.
Fog on the Thames.
Walker, Henry O., New York.
1071. Hagar and Ishmael.
1072. Boy on the Donkey. (Owned by Mrs. S. D. Warren, Boston.)
1073. The Gift Bearer. (Owned by Miss E. H. Bartol, Boston.)
Walker, Horatio, New York.
1074. A Stable Interior.
Walkley, D. B., Pittsburg.
1075. The Potter. (Owned by W. A. Shaw, Sharpsburg, Pa.)
Wall, A. Bryan, Pittsburg.
1076. Across the Meadow.
Wallace, Laurie, Omaha.
1077. Portrait of James W. Scott. (Owned by Chicago Press Club.)
Waugh, Ida, Philadelphia.
1078. Hagar and Ishmael. (Owned by Pennsylvania Academy of the Fine Arts.)
Webber, C. T., Cincinnati.
1079. The Underground Railroad.
Weber, Carl, Philadelphia.
1080. Trout Stream near Dingman's Ferry.
Weeks, Edwin Lord, Paris.
1081. Two Hindoo Fakirs. A Souvenir of the Ganges.
1082. Three Beggars of Cordova. (Owned by Pennsylvania Academy of the Fine Arts, Philadelphia.)
1083. Persian Horse Dealers.
1084. Study at Bombay.
1085. Marble Court at Agra.
1086. Interior of Studio.
Weir, J. Alden, New York.
1087. Summerland.
1088. Christmas Tree.
1089. Autumn.
1090. The Young Student.
1091. Portrait.
1092. The Lane.
1093. The Open Book.
1094. Portrait of Webb Weir.
Weir, John F., New Haven.
1095. Portrait of Admiral Farragut.
Lent by University Club, New York.
1096. Forging the Shaft.
Wentworth, L. E.
1097. Prayer.
Whelpley, A. Renouf, Munich.
1098. Portrait of Mlle. Hausen. (Owned by Mlle. Hausen, Brunswick.)
Whistler, J. McNeil, Paris.
1099. The Lady with the Yellow Buskin. (Owned by Alexander Reid, Glasgow.)
1100. The Princess of the Land of Porcelain. (Owned by Alexander Reid, Glasgow.)
1101. The Fur Jacket. (Owned by Alexander Reid, Glasgow.)
1102. Nocturne, Valparaiso. (Owned by Hon. Sir John Charles Day, London.)
1103. Harmony in Blue and Silver. (Owned by J. J. Shannon, London.)
1104. Portrait.
Lent by A. J. Cassatt, Philadelphia.
White, Henry C., Hartford.
1105. Spring Landscape.
White, Robert H., Camden, N. J.
1106. Morning in February.
Whiteman, S. Edwin, Baltimore.
1107. Over Autumnal Hills.
1108. Lowland Pastures.
Whitman, Sarah W., Boston.
1109. Niagara.
1110. Portrait of Oliver Wendell Holmes. (Owned by College of Physicians, Philadelphia.)
Whittemore, William J., New York.
1112. Autumn Sunshine.
Whittridge, W., New York.
1113. Rhode Island Coast.
1114. The Plains.
Lent by the Century Club, New York.
1115. The Old Hunting Ground.
Lent by J. W. Pinchot, New York.
- Wickenden, Robert J., New York.**
1116. Whispering of Spring.
Wigand, Albright, Mt. Vernon, N.Y.
1117. Portrait of Mrs. J. Albright.
Wigand, Otto C., Mt. Vernon, N.Y.
1118. The Old Willow Tree.
Wiggins, Carlton, New York.
1119. Clouds and Sunshine. (Owned by Chas. E. Dingee, Brooklyn.)
1120. Midsummer. (Owned by John F. Dingee, Brooklyn.)
1121. Evening. Village of Grez. (Owned by Mrs. Charles M. Kurtz, New York.)
Wiles, Irving R., New York.
1122. Sunlight in the Studio. (Owned by Charles D. Miller, Jersey City.)
1123. Portrait.
1124. Sunshine and Flowers.
1125. The Sonata. (Owned by W. G. Evans, New York.)
1126. Lady in Green.
1127. A Girl in Black.
Lent by W. M. Chase, New York.
- Wiles, L. M., New York.**
1128. The Old Quarry.
Witt, J. H., New York.
1129. The Celestial Choir.
Woodbury, Charles Herbert, Boston.
1130. North Sea Dunes.
1131. The Tide River.
Woodward, William, New Orleans.
1132. Persimmons.
Woodwell, Johanna K., Pittsburg.
1133. Study Head of a Young Lady.
Woodwell, Joseph R., Pittsburg.
1134. White Rocks, Magnolia, Mass.
1135. A Rocky Coast, Magnolia, Mass.
1136. Cobblestone Beach, Magnolia, Mass.
1137. Rocks at Low Tide, Magnolia, Mass.
Woolfolk, E. Marshall, Paris.
1138. Washerwomen, Nemours, France.

DEPARTMENT K.—FINE ARTS.

- Wuerpel, H., Paris.**
 1139. September Twilight. (Owned by Wm. Taussig, St. Louis.)
Wyant, A. H. (deceased).
 1140. A North Woods Brook.
 Lent by Thomas B. Clarke, New York.
 1141. Landscape.
 Lent by Thomas B. Clarke, New York.
 1142. Sunset in the Woods.
 Lent by J. M. Lichtenauer, New York.
 1143. In the Adirondacks.
 Lent by W. T. Evans, New York.
 1144. Sunset.
 Lent by Fred B. Pratt, Brooklyn.
 1145. Forenoon in the Adirondacks.
 Lent by Mrs. A. L. Wyant, New York.
 1146. In the Woods.
 Lent by Mrs. A. L. Wyant, New York.
 1147. An October Day.
 Lent by Mrs. A. L. Wyant, New York.
 1148. Clearing Off.
 Lent by Mrs. A. L. Wyant, New York.
 1149. Evening. (Lent by Mrs. A. L. Wyant, New York.)
Young, Charles Morris, Gettysburg, Pa.
 1150. Wet Weather.
 1151. The Harvest of Death (Wheatfield at Gettysburg).
Moran, Thos., New York.
 1152. Grand Cañon of the Yellowstone.
 1153. The Iceberg.
Moran, Peter, Philadelphia.
 1153½. Down the Arroyo to Santa Fe.
- GROUP 141.**
- Paintings in Water Colors.**
- Abbey, E. A.**
 1154. Measure for Measure. Mariana.
 Lent by Henry G. Marquand, New York.
Allen, Thomas, Boston.
 1155. Portal of Ruined Mission, San Jose, Texas.
 1156. Pasture by the Sea.
 1157. Changing Pasture, Dartmoor.
Baker, J. Elder, New York.
 1158. Chrysanthemums.
Bellows, A. F. (deceased).
 1159. Sunday Afternoon in New England.
Birney, William Verplanck, New York.
 1160. Backyard Pets.
Blaney, Dwight, Boston.
 1161. The Temple of Neptune, Paestum, Italy.
Blashfield, Edwin H., New York.
 1162. The Duo.
 Lent by Mrs. John H. Sherwood, Brooklyn.
Bradbury, M. R., New York.
 1163. Santa Maria Salute, Venice.
Bradley, Horace, New York.
 1164. A Glimpse of Chase's Studio.
- Bradley, Susan H., Philadelphia.**
 1165. Mount Monadnock, New Hampshire. (Owned by Miss Sears, Boston.)
Bredin, Christine A., Cincinnati.
 1166. A Peasant Woman, Dachau, Bavaria.
Breul, Hugo, Providence.
 1167. Twins.
Bricher, A. T., New York.
 1168. A Summer Morning.
Bridges, Fidelia, Canaan, Conn.
 1169. In an Old Orchard.
Brooks, A. F., Chicago.
 1170. Boys Fishing.
Brown, J. G., New York.
 1171. A Wall Flower.
Cabot, Edward L., Brookline.
 1172. Wind-swept Beeches, Naushon Island.
Carter, Fernando A., Syracuse, N. Y.
 1173. Dutch Boats at Rotterdam.
Castello, Eugene, Philadelphia.
 1174. Gate of Justice, Cairo.
Cauldwell, Leslie, Paris.
 1175. Twilight.
Chapman, Carlton T., New York.
 1176. Toilers of the Sea.
Church, F. S., New York.
 1177. Pandora.
 Lent by W. T. Evans, New York.
Clusmann, William, Chicago.
 1178. A Wood Interior, Wisconsin.
Coffin, Esther L., New York.
 1179. Grapes.
 1180. Madison Square Tower at Night.
Colman, Samuel, Newport.
 1181. Ruins of a Mosque, Tlemcin, Algeria.
 1182. Mosque at Tlemcin, Algeria.
 1183. At the Fountain.
Conant, Lucy S., Boston.
 1184. Nasurtiums.
Crum, Clark.
 1185. Sympathy.
 Lent by J. M. Sears, Boston.
Curran, C. C., New York.
 1186. Cupid Asleep.
Daingerfield, Elliott, New York.
 1187. Woman with Pumpkin.
Dana, Charles E., Philadelphia.
 1188. Gruyère.
 1189. The Farm of Amont, Etretat, Normandy.
 1190. Street in Morat, Switzerland.
 1191. A Doorway in Arles, South of France.
Dawson, Arthur, Chicago.
 1192. When Evening Twilight Gathers Round.
 1193. Snow Scene.
De Luce, Percival, New York.
 1194. Busy Idleness.
Dixey, Ellen Sturgis, Boston.
 1195. Dresden in January.
Drake, W. H., New York.
 1196. At Sea.
 1197. Misty Weather.
Eaton, C. Harry, New York.
 1198. Nordhoff, New Jersey.
 1199. Indian Summer.
Eaton, Charles Warren, New York.
 1200. The Witching Hour.
 1201. Winter.
 1202. The Snow Mantle.
Edwards, George Wharton, New York.
 1203. An Interesting Subject.

UNITED STATES.

1204. In the Dunes, Flanders.
Ertz, Edward, Paris.
1205. Sunset, Chartres, France.
Farny, Henry E., Cincinnati.
1206. A Sioux Camp.
Lent by Miss Jane Eckstein,
Cincinnati.
1207. Got Him.
1208. Mountain Trail.
Foster, Ben., New York.
1209. Night.
1210. The Shepherds.
1211. A Swine Herd.
Franzen, August, New York.
1212. Afternoon.
1213. Before the Rain.
Fraser, John A., New York.
1214. An Old English Street.
1215. The Heart of Scotland.
1216. Bad Weather, Kirk Lake, N. Y.
1217. A Bit of the Upper Thames.
1218. A Gray Bit on Long Island.
Gibson, W. Hamilton, Brooklyn.
1219. Upland Meadows.
Lent by Charles H. Wacker,
Chicago.
1220. Rainclouds.
1221. September Rain.
1222. Moonlight in Opelousas.
1223. Russet Meadows.
1224. Landscape.
1225. On the Canal at Dort.
1226. A Honey Dew Picnic.
1227. A Connecticut Hamlet.
Gifford, R. Swain, New York.
1228. A Tile Kiln on the Northern Canal.
1229. A Summer Afternoon, New England.
1230. The Mountains of Chobet el Akra,
Northern Africa,
1231. Salt Works of Batz, France.
Greator, Kathleen H., Paris.
1232. Carnival.
1233. Corner of the Strozzi Palace, Florence.
Guerin, Jules, Chicago.
1234. Early Morning in a Village Street
Kentucky.
Hallett, Hendricks A., Boston.
1235. Winter Moonlight.
Hammer, John J., New York.
1236. In the Dry Docks.
Hardwick, Melburne H., Boston.
1237. Looking Inland.
Harison, Mary A., Brooklyn.
1238. Pansies.
Hartson, Walter C., Chicago.
1239. Old Willows at Glendale.
1240. Outskirts of the City.
1241. Along the Baraboo River.
Hassam, Childe, New York.
1242. Montmartre.
1243. Springtime in the City.
1244. Fifth Avenue.
Helmick, Howard, Washington.
1245. Portrait.
Lent by Mrs. Stoddart, Wash-
ington.
Henry, Edward L., New York.
1246. Before the Days of Rapid Transit.
Lent by Shephard Knapp, New
York.
Herter, Albert, New York.
1247. The Great Mystery.
Holman, Frank, Paris.
1248. A Sun Effect.
1249. Melody.
Ihlefeld, Henry, New York.
1250. My Puppy.
Jones, Annie W., Chicago.
1251. Easter Lilies.
Jones, Francis C., New York.
1252. Waiting.
Jones, H. Bolton, New York.
1253. Winter.
1254. Early Snow.
1255. Winter.
Lent by J. C. Nicoll, New York.
Joseph, I. A., New York.
1256. Midnight.
Kappes, Alfred, Van Cortlandt, N. Y.
1257. Apple Pie.
Keller, Arthur J., New York.
1258. Bavarian Peasants.
1259. Water Lilies.
Lent by J. M. Sears, Boston.
1260. Just Flowers.
Lent by J. M. Sears, Boston.
Lampert, Emma E., Rochester.
1261. A Breadwinner.
1262. Through the Meadows in Holland.
Lent by C. Louise Imlach New
York.
Lauber, Joseph, Leonia, N. J.
1263. First Day of School.
1264. Lane of Willows.
Lungren, F. H., Cincinnati.
1265. A Snowy Evening.
Manley, Thomas R., New York.
1266. A Wet Day, from Studio Window.
**Maynard, George Willoughby, New
York.**
1267. Sirens. (Owned by F. G. Bourne, New
York.)
1268. A Sea Witch.
McChesney, Clara T., New York.
1269. Still Life.
1270. The Old Cobbler.
**McIlhenny, C. Morgan, Shrub Oak,
N. Y.**
1271. Moonrise.
1272. Bull Calf.
1273. Old Friends.
Lent by T. B. Clarke, New York
Mente, Charles, New York.
1274. The Shepherd and His Flock.
1275. Evening Pastoral.
1276. Willows and Sheep.
Millet, F. D., New York.
1277. Roman Maiden.
Lent by Henry G. Marquand,
New York.
Minor, Robert C., New York.
1278. Moonlight.
**Moser, James Henry, Washington,
D. C.**
1279. November Evening.
**Needham, Charles Austin, New
York.**
1280. A Dream of Autumn.
Nicholls, Rhoda Holmes, New York.
1281. The Scarlet Letter.
1282. Chrysanthemums.
1283. Washing Day.
Lent by Luis J. Francke, New
York.
Nicoll, J. C., New York.
1284. Evening After a Gale.
1285. During a Storm.
1286. Near York Harbor, Maine.

DEPARTMENT K.—FINE ARTS.

1287. Twilight, Late Autumn.
Ochtman, Leonard, New York.
1288. Frost.
Parrish, Clara Weaver.
1289. A Study of a Southern Negro.
Pattison, James William, Jacksonville, Ill.
1290. East Gloucester Ferry Landing.
1291. Meadow in Spring.
Perrie, Bertha E., New York.
1292. Bound for the Banks.
1293. Porgies.
Pitkin, Caroline W., New York.
- Pomeroy, Grace V.**
1294. Home of the Bullfrog.
Powers, Ellen, Florence.
1295. Convolvulus.
Rascovich, Robert, Chicago.
1296. Canal in Venice.
Redmond, J. J., New York.
1297. Market Day in Thun, Switzerland.
Rehn, F. K. M., New York.
1298. The Reef.
Rice, H. M.
1299. Interior.
Richards, William T., Newport, R.I.
1300. An Atlantic Beach.
Rix, Julian, New York.
1301. Buttonball Trees.
1302. October Day.
Robinson, Will S., Philadelphia.
1303. Arrival of the Boats, Coast of Holland.
Rotch, Arthur, Boston.
1304. In the Harbor (sunlight effect.)
1305. Limburg Cathedral.
Satterlee, Walter, New York.
1306. Adirondack Trout.
1307. Garden Weeds.
Sawyer, Wallace.
1308. Bourboule Washerwoman.
Schilling, Alexander, New York.
1309. Autumn Evening.
1310. Fields in Early Spring.
Scott, Mrs. E. M., New York.
1311. Roses.
1312. Still Life.
1313. White Rose.
1314. Summer Roses.
Senat, Prosper L., Philadelphia.
1315. Capri from Sorrento.
1316. A Corner in San Remo.
1317. The River Bend at Ventimille.
1318. Head of the Creek, Kennebunkport, Me.
Sherwood, Rosina Emmet, New York.
1319. September.
Lent by Boston Art Club.
1320. In the Orchard.
1321. Sunlight in the Orchard.
Silsbee, M., Boston.
1322. Monadnock.
Smedley, W. T.
1323. "There could be no doubt, thought Miss Latymer, that it was to be the Intense Elderly."
Lent by Charles Scribner's Sons, New York.
1324. "Up Among the Great Iron Arches."
Lent by Charles Scribner's Sons, New York.
1325. A Lazy Companion.
1326. Jackson Park—part of the Exhibition Grounds.
Lent by Charles Scribner's Sons, New York.
1327. Entrance to the Hall of Mines, in process of construction.
Lent by Charles Scribner's Sons, New York.
1328. Near the Hall of Mines.
Lent by Charles Scribner's Sons, New York.
1329. The Administration Building.
Lent by Charles Scribner's Sons, New York.
1330. Site for the Statue of the Republic.
Lent by Charles Scribner's Sons, New York.
Smillie, N. S. J., New York.
1331. Pink and White.
Lent by Helene de Cordova, New York.
- Smith, F. Hopkinson, New York.**
1332. Venetian Fishing Boats.
Lent by Charles Scribner's Sons, New York.
1333. The Rialto.
Lent by Charles Scribner's Sons, New York.
1334. After the Catch.
1335. In the Fishing Quarter.
Smith, Joseph Lindon, Boston.
1336. Bartholomeo Coleono.
Snell, Henry B., New York.
1337. Crossing the Bar.
Stackpole, Alice, Boston.
1338. Late Afternoon in Beverly, Mass.
Tewksbury, Fanny W., Boston.
1339. A New England Homestead.
Thulstrup, T. de, New York.
1340. Swedish Interior.
1341. Moujik.
Tiffany, Louis C., New York.
1342. Cobblers at Bouferik, Algeria.
1343. Street in Algiers.
1344. Cathedral at Morlaix.
1345. Street in Algiers.
1346. Feeding the Flamingoes.
1347. Summer.
Turner, Ross, Salem, Mass.
1348. Flood Tide.
1349. Oleanders and Lilies.
1350. Old Japan (a).
1351. Old Japan (b).
- Twachtman, J. H., New York.**
1352. Pier near Newport.
1353. Winter.
Tyler, James G., New York.
1354. Dark Days at Sea.
Vanderveer, Mary A., Amsterdam, N. Y.
1355. Study of Peonies.
Walton, William, New York.
1356. A Great Enchantment.
Wells, Newton A., Syracuse.
1357. Rest.
Whittemore, William J., New York.
1358. Early Worshipers, St. Ives, Cornwall.
1359. The Fairy Story.
Coast of Cornwall.
1360. Misty Twilight.
1361. In Old Edinburgh.
1362. **Woodwell, Johanna K., Pittsburgh.**
1363. Portrait of Miss L.

UNITED STATES.

1364. Young, Charles M., Gettysburg, Pa.
The Forest.
- GROUP 142.**
1365. Van Trump, Miss R. N., Philadel-
phia.
A portrait—miniature on ivory.
- GROUP 143.**
- Engravings and Etchings. Prints.
Etchings and Dry Points.
1366. Bloodgood, Robert, New York.
Who's Afraid?
1367. Hard Times.
Calahan, James J., New York.
1368. Mandolin Player.
Canby, Louise Prescott, Philadel-
phia.
1369. Sunset.
1370. Oswego Harbor.
1371. Shipping Ice on the Kennebec.
Chapman, Carlton T., New York.
1372. Street in Mont St. Michel.
1373. Evening in a Harbor
1374. Bakehouse Close, Edinburgh.
1375. English Fishing Boats.
1376. Twilight by the Sea.
1377. Calm Morning.
1378. Fishing Boats at Anchor.
1379. Driven Ashore.
1380. Rue de la Victoire, St. Malo.
1381. Bridge Over Old Moat, Chartres.
1382. Moonrise.
1383. Gloucester Harbor.
1384. Abandoning the Ship.
1385. Street in St. Malo.
1386. Old House, Chester.
1387. Street in Chartres.
Colman, Samuel, Newport, R. I.
1388. Olive Grove and Mill, Bordighera,
Italy.
1389. Olive Trees of the Riviera.
1390. Life in Mexico. From note book
sketches.
1391. A Gray Day at Dieppe.
1392. Japanese Inro with Netzukies.
1393. Japanese Inro with Netzukies.
(No. 2.)
1394. The Terraces at Naples.
Dielman, Frederick, New York.
1395. Head. (Dry Point.)
Ertz, Edward, Paris.
1396. The River Loire and the Chateau of
Vernon. Three etchings.
Faber, Erwin F., Philadelphia.
1397. Thrown.
Lent by C. Klackner, New
York.
1398. St. Philip's, Charleston.
Lent by H. L. Smith, Philadel-
phia.
1399. The Repentance of Eve.
Faber, Herman, Philadelphia.
1400. Faust—A Mastiff.
1401. Study of a Lion's Head.
1402. The Challenge.
Ferris, Stephen J., Philadelphia.
1403. Six Etchings.
Gifford, R. Swain, Philadelphia.
1404. Salt Vats of Padan Aram.
1405. Near the Sea (Evening).
1406. An October Day.
1407. Barney's Joy.
1408. The Branch of the River.
1409. The Cove Road.
Johnson, Thomas, New York.
1410. Walt Whitman. (After photograph.)
1411. Abraham Lincoln. (After photo-
graph.)
1412. Columbus.
King, James S., Upper Montclair,
N. J.
1413. Christmas Morning in Colonial
Times.
Lent by C. Klackner, New
York.
1414. August Afternoon.
Lent by C. Klackner, New
York.
1415. The Golden Hour (Harvest).
Lauber, Joseph, Leonia, N. J.
1416. Low Lands Near the Ocean.
1417. The Pond.
1418. Shingle Maker.
1419. A Study in Dry Point.
1420. Morning at the Farm.
1421. The Shower.
Lovewell, Rominer, Chelsea, Mass.
1422. Green's Dock, East Boston.
Manley, Thomas R., New York.
1423. Newark Bay (Evening).
1424. The Cottage.
1425. Weehawken Ferry.
1426. Bridge in Central Park, New York.
1427. After the Shower.
1428. The Lane.
1429. Near King's Bridge, New York.
Mercier, Gustave, New York.
1430. Automedon. (After Henri Regnault.)
1431. The Day's Work Done. (After Jules
Breton.)
1432. Vive le Fidelite! (After Franz Hals.)
1433. Education of the Virgin, (After
Rubens.)
Mielatz, Charles F. W., New York.
1434. The Battery, New York.
1435. Madison Square at Night.
1436. Elevated Station at Night.
1437. A Tow on the North River, New
York.
1438. Sectional Docks, East River, New
York.
1439. In the Bowery, New York.
1440. Entrance to Brooklyn Bridge, New
York.
1441. Spar Yard, South Street, New York.
1442. Mott Haven Canal, New York.
1443. Grand Central Station at Night.
1444. Coenties Slip, New York.
1445. East River, New York.
1446. Newport Wharves.
1447. A Bit of Baxter Street, New York.
1448. The Road to the Sea.
1449. The Falls of the Pawtucket. (Dry
Point.)
1450. Trout Pond, Moorsfield, R. I.
1451. Strangers in Wallabout. (Dry Point.)
1452. Mill at Block Island, R. I. (Dry
Point.)
1453. The Tombs, New York. (Dry Point.)
1454. Two Bridges on the Harlem. (Dry
Point.)
Monks, J. A. S., Boston.
1455. Evening After the Storm.
Moran, Emily K., Philadelphia.
1456. On the Road to the Farm.

DEPARTMENT K.—FINE ARTS.

- Moran, M. Nimmo, New York.**
 1457. Point Isabel, Florida.
 1458. Florida Forest.
 1459. Summer, Easthampton.
 1460. Edge of Georgia Pond.
 1461. The Old Homestead.
 1462. Between the Gloaming and the Mirk.
 1463. Twilight, Easthampton.
 1464. Bridge Over the Delaware.
 1465. Hunt of the Muskrat.
 1466. Conway Castle, Wales.
 1467. Bushkill Bridge.
 1468. Evening, Easthampton.
Moran, Peter, Philadelphia.
 1469. Return of the Herd.
 1470. A Summer Afternoon.
 1471. Under the Willows.
 1472. An Old New England Orchard.
 1473. A Passing Storm, York Downs.
Mygatt, Robertson K., New York.
 1474. Restaurant in Stadts Park, Carlsbad.
 1475. Pragergasse, Carlsbad.
 1476. Market Place, Carlsbad.
 1477. A Tepel Breeze, Carlsbad.
 1478. Along the Quay, Carlsbad.
 1479. Street Scene, Carlsbad.
 1480. Markt Strasse (Market Street), Carlsbad.
 1481. Slushy Morning, from Window.
 1482. Twilight from My Window.
 1483. Cloisters, Santa Barbara, Cal.
Nicoll, J. C., New York.
 1484. Cruising by Moonlight.
 1485. The Reef.
 1486. In the Harbor.
 1487. The Smugglers' Landing Place.
 1488. An East Wind.
Parrish, Stephen, Philadelphia.
 1489. A Gale at Fecamp.
 1490. Swamp Land.
 1491. Winter Evening, Windsor, N. S.
 1492. Gloucester Harbor.
 1493. Portland, New Brunswick.
 1494. Market Place, Yvetot.
 1495. Northern Moorland.
 1496. Riverdale.
 1497. On the Dee, Chester.
 1498. On the Thames.
 1499. Near Dinan, Brittany.
 1500. Market Day, St. Augustine.
 1501. Mills, New Brunswick.
 1502. Winter at Windsor, N. S.
 1503. Bass River, Cape Cod.
 1504. Near Quebec.
 1505. Near Fréjus.
 1506. Bethlehem, Pennsylvania.
 1507. Canal, Venice.
 1508. Port of Nice.
 1509. On Cape Ann.
 1510. On the Rance, Brittany.
 1511. Winter.
 1512. Charenton, Paris.
 1513. A Passing Shower.
 1514. Port of Cannes.
Paulus, Francis P., Munich.
 1515. Scene near Munich.
 1516. Spring Morning on the Isar.
 1517. Summer Landscape.
Platt, Charles A., New York.
 1518. Arnheim.
 1519. The Meuse.
 1520. Brittany Landscape.
 1521. Brittany Farm.
 1522. Willows on the Coast.
 1523. Dieppe.
 1524. Dordrecht.
 1525. Naples.
 1526. Honfleur.
 1527. Passenger Boats on the Seine.
 1528. Pier at Larmor.
 1529. Under Pont Ste. Marie.
 1530. Two Sloops.
 1531. Inland Port.
 1532. A Spring Flood.
 1533. Brooklyn Bridge.
 1534. Pont St. Michel.
Ritchie, Henrietta, Philadelphia.
 1535. The Connoisseur.
 1536. Race Street Wharf, Philadelphia.
Rosenthal, Max, Philadelphia.
 1537. Crossing the Brook.
 1538. Portrait of George W. Childs.
Sartain, Emily, Philadelphia.
 1539. In the Twilight.
Schilling, Alexander, New York.
 1540. Near Ridderkerk, Holland.
 1541. Toll Gate and Bridge.
 1542. Holland Landscape.
 1543. Spring.
 1544. The Juniata, near Lewistown.
 1545. German Landscape.
 1546. Oostendam, Holland.
 1547. Dordrecht from Pappendrecht.
 1548. On Weehawken Heights.
 1549. Edge of the Forest.
 1550. Lowery Autumn Day.
 1551. Holland Landscape. (Dry point.)
 1552. An Interior.
 1553. Windmill on the Maas.
 1554. Church Street, Detroit. (Winter.)
 1555. Hauling Wood.
 1556. The Brick Barge.
 1557. A Breezy Day on the Hackensack.
 1558. The Maas at Schiedam.
 1559. The Maas near Dort, low tide.
 1560. The Dyke.
 1561. Heerjahusdam, Holland.
 1562. Old Shed and Willows, Rijsvoord.
 1563. Landscape, Spring.
 1564. Evening. (Dry point.)
 1565. Dry point, with burr removed.
 1566. At Sunset.
Schoff, S. A., Greenfield, Mass.
 1567. Portrait of a Girl. (After Abbott H. Thayer.)
 1568. Portrait of Judge Devens. (After F. P. Vinton.)
 1569. The Prelude. (After C. S. Pearce.)
 1570. Portrait of Mrs Fowler. (After Frank Fowler.)
Smith, Sidney L., New York.
 1571. Europa. (After antique terra cotta.)
 1572. Silver Coffee Pot made by Tiffany & Co.
 1573. Portrait.
 1574. Portrait.
 Eight etchings of jades from the collection of Heber R. Bishop, as follows:
 1575. Light and Dark Green Jade, Teakwood Stand.
 1576. Jade Plaque, Green Jade Stand.
 1577. Jade, with Teakwood Stand.
 1578. Jade Vase, Teakwood Stand.
 1579. Jade Bowl, Teakwood Stand.
 1580. Green Jade Jar, Teakwood Stand.
 1581. Opaque Gray Jade, Teakwood Stand.
 1582. Green Jade Plaque, Teakwood Stand.

UNITED STATES.

- Vanderhoof, Charles A., New York.**
 1583. Sunset on the Marne.
 1584. Morning.
 1585. Solitude.
 1586. Dordrecht.
 1587. East River.
 1588. The First Snow.
 1589. The Passing Storm.
 1590. Sand Dunes of Virginia.
 1591. A New York Shanty.
 1592. A Kansas Windmill.
 1593. Morning Light.
 1594. Castle William.
 1595. The Fish Hawk's Nest.
Van Elten, Kruseman, New York.
 1596. Repairing the Bridge.
 1597. Hudson River.
 1598. Lily Pond.
Walker, Charles A., Boston.
 1599. On the Oise. (After Daubigny.)
 1600. Winter in Holland. (After A. Mauve.)
 1601. Landscape. (After Daubigny.)
 1602. Group of Seven Etchings: (Two after Corot, 2 after Daubigny, 1 after Troyon, 1 after Meissonier Le Sieur.)
 See also No. 1990.
Weir, J. Alden, New York.
 1603. Dr. R. F. Weir.
 1604. Christmas Tide. (After a water color.)
 1605. Blacksmith Shop.
 1606. John F. Weir. (Last state.)
 1607. By the Evening Lamp.
 1608. The Back Yard.
 1609. The Little Fountain.
 1610. Sulby Glen.
 1611. The Lamp.
 1612. Castle.
 1613. Head.
 1614. Figure with Sleeping Dog.
 1615. Portrait of a Young Lady.
 1616. Three Etchings.
 1617. One Dry Point and One Etching.
 1618. Frugal Repast. Child Reading.
 1619. Head.
 1620. Four Heads.
 1621. Two Etchings on Zinc.
 1622. Three Etchings and Three Dry Points.
 1623. Two Etchings and One Dry Point.
 1624. One Dry Point and One Etching.
 1625. One Dry Point and One Etching.
 1626. Two Dry Points.
 1627. H. E. Weir and Robert Weir. (Dry points.)
 1628. One Etching and One Dry Point.
Whistler, James McNeill, London.
 1629. Early Portrait of Whistler.
 Lent by Edward G. Kennedy, New York.
 1630. The Unsafe Tenement.
 Lent by Edward G. Kennedy, New York.
 1631. The Old Rag Woman.
 Lent by George W. Vanderbilt, New York.
 1632. The Kitchen.
 Lent by George W. Vanderbilt, New York.
 1633. Tyzac, Whiteley & Co.
 Lent by Edward G. Kennedy, New York.
1634. Black Lion Wharf.
 Lent by George W. Bramhall Orange, N. J.
 1635. Longshoremen.
 Lent by Howard Mansfield, New York.
 1636. The Lime Burner.
 Lent by Edward G. Kennedy, New York.
 1637. Arthur Seymour. (Dry point.)
 Lent by Charles L. Freer, Detroit.
 1638. Becquet.
 Lent by Howard Mansfield, New York.
 1639. Whistler. (Dry point.)
 Lent by Edward G. Kennedy, New York.
 1640. Drouet. (Dry point.)
 Lent by Howard Mansfield, New York.
 1641. Annie Haden. (Dry point.)
 Lent by Howard Mansfield, New York.
 1642. Mr. Mann. (Dry point.)
 Lent by John Caldwell, Pittsburg.
 1643. Rotherhithe.
 Lent by Howard Mansfield, New York.
 1644. Axenfeld. (Dry point.)
 Lent by Edward G. Kennedy, New York.
 1645. The Engraver—Riault. (Dry point.)
 Lent by Edward G. Kennedy, New York.
 1646. The Forge. (Dry point.)
 Lent by Edward G. Kennedy, New York.
 1647. Joe. (Dry point.)
 Lent by Howard Mansfield, New York.
 1648. The Storm. (Dry point.)
 Lent by Edward G. Kennedy, New York.
 1649. Weary. (Dry point.)
 Lent by George W. Bramhall, Orange, N. J.
 1650. Fanny Leyland. (Dry point.)
 Lent by Howard Mansfield, New York.
 1651. Battersea, Dawn. (Dry point.)
 Lent by Howard Mansfield, New York.
 1652. Steamboat Fleet. (Dry point.)
 Lent by Edward G. Kennedy, New York.
 1653. Battersea Bridge.
 Lent by Edward G. Kennedy, New York.
 1654. The Large Pool.
 Lent by Howard Mansfield, New York.
 1655. Putney Bridge.
 Lent by Howard Mansfield, New York.
 1656. The Little Putney, No. 3.
 Lent by Howard Mansfield, New York.
 1657. Little Venice.
 Lent by John Caldwell, Pittsburg.

DEPARTMENT K.—FINE ARTS.

1658. Nocturne, Riva.
Lent by Howard Mansfield,
New York.
1659. The Palaces.
Lent by Bryan Lathrop, Chi-
cago.
1660. The Doorway.
Lent by Howard Mansfield,
New York.
1661. The Traghetto.
Lent by John Caldwell, Pitts-
burg.
1662. The Two Doorways.
Lent by Howard Mansfield,
New York.
1663. The Beggars.
Lent by George W. Bramhall,
Orange, N. J.
1664. San Giorgio.
Lent by Howard Mansfield,
New York.
1665. Nocturne, Palaces.
Lent by Howard Mansfield,
New York.
1666. The Riva, No. 2.
Lent by John Caldwell, Pitts-
burg.
1667. The Garden.
Lent by Howard Mansfield,
New York.
1668. The Balcony.
Lent by Edward G. Kennedy,
New York.
1669. The Dyer.
Lent by Howard Mansfield,
New York.
1670. The Smithy.
Lent by Howard Mansfield,
New York.
1671. The Little Sweet Shop.
Lent by Walter S. Carter,
Brooklyn.
1672. Windsor. (Dry Point).
Lent by Charles L. Freer, De-
troit.
1673. The Barber's Shop, Chelsea.
Lent by Howard Mansfield,
New York.
1674. Clothes Exchange, No. 2.
Lent by Howard Mansfield,
New York.
1675. Court Yard, Brussels.
Lent by Edward G. Kennedy,
New York.
1676. Palace, Brussels.
Lent by Bryan Lathrop, Chi-
cago.
1677. Hotel Lallemand, Bourges.
Lent by Charles L. Freer, De-
troit.
1678. Mayoralty Building, Loches.
Lent by Charles L. Freer, De-
troit.
1679. Chancellor's Office, Loches.
Lent by Charles L. Freer, De-
troit.
1680. City Hall, Loches.
Lent by Charles L. Freer, De-
troit.
1681. Zaandam.
Lent by Walter S. Carter,
Brooklyn.
1682. Pierrot.
Lent by Walter S. Carter,
Brooklyn.
1683. The Balcony, Amsterdam.
Lent by Walter S. Carter,
Brooklyn.
1684. The Steps.
Lent by Walter S. Carter,
Brooklyn.
1685. The Embroidered Curtain.
Lent by Walter S. Carter,
Brooklyn.
1686. The Long House.
Lent by Charles L. Freer, De-
troit.
1687. The Mill.
Lent by Walter S. Carter,
Brooklyn.
- Whittemore, Charles E., New York.**
1688. Twilight on Bedloe's Island, New
York Harbor.
1689. Off Old Point Comfort, Virginia.
1690. A Gloucester Water Side.
Whittemore, Wm. J., New York.
1691. Mont St. Michel.
1692. Head of the Harbor.
Yewell, George H., New York.
1693. Cloister of the Monastery of St. Elena,
near Venice.
1694. House of the Bell Ringer of Rouen
Cathedral, France.
- Prints from Engravings on Wood.**
- Aikman, Walter M., Brooklyn.**
1695. Under the Willows. (After Alfred
Parsons.)
1696. Wordsworth. (After Alfred Parsons.)
1697. A Modern Comanche. (After F.
Remington.)
1698. Grand Canal, Venice.
1699. Rowing Down to Itfley.
1700. Bringing Home the Christmas Tree.
1701. Sunset, La Hulpe, Belgium.
1702. The Sheep Pasture.
1703. The Penitent Jewel Weed.
Aitken, Peter, New York.
1704. On the Otomi Pass, Japan. (After A.
Castaigne.)
1705. A Scene in Kent. (After J. A. Fraser.)
1706. The Conspirators.
Baker, Horace, New York.
1707. Castles in The Air.
1708. Malay Pirate.
1709. Scene in Tasmania.
**Bernstrom, Victor, Grandview-on-
Hudson, N. Y.**
1710. A Little Music. (After Theodore
Wores.)
1711. Limbering Up.
1712. Philip II.
1713. The Mujik. (After T. de Thulstrup.)
1714. Drawing Water for the Camp. (After
F. D. Millet.)
1715. Snow Angel.
1716. Trapped at Last.
1717. The Shepherdess. (After Charles
Sprague Pearce.)
1718. The Mystery of Life. (After Carl
Marr.)
1719. Pirates' Haven, Shark River, N. J.
1720. The Dead Matador.
Brown, W. Lamont, Boston.
1721. Portrait of Corot.

UNITED STATES.

- Cleaves, W. P., Springfield, Mass.**
 1722. Swift River, Conway, N. H.
 1723. A Chocorua Vista.
 1724. A Chocorua Sunset.
 1725. Chocorua Mountain and Lake
 1726. Springfield, Mass.
 1727. Silver Lake.
Closson, W. B., Lancaster, Mass.
 1728. Saxon.
 1729. The Mirror. (After Bunker.)
 1730. Springtime. (After E. Major.)
 1731. The Young Squire. (After Couture.)
 1732. Night Moths.
 1733. Winifred Dysart. (After George Fuller.)
 1734. The Immaculate Conception. (After Murillo-Fragment.)
 1735. Mother and Child. (After A. H. Thayer.)
 1736. Ideal Head. (After A. H. Thayer.)
 1737. The Quadroon Girl. (After George Fuller.)
 1738. The Listeners. (After W. M. Hunt.)
 1739. The Mother. (After Simmons.)
 1740. Flowers.
 1741. The Irrigating Ditch.
 1742. Sheep Shearers. (After Millet.)
 See also No. 1970.
Cole, Timothy. The Century Co., New York.
 1743. Delphian Sibyl. (After Michael Angelo.)
 1744. Knight of Malta. (After Giorgione.)
 1745. The Concert. (After Giorgione.)
 1746. The Tribute Money. (After Masaccio.)
 1747. Venice Enthroned. (After Paolo Veronese.)
 1748. Battle of St. Ephesus. (After Spinello.)
 1749. Madonna and Child. (After Bellini.)
 1750. Miracle of St. Mark. (After Tintoretto.)
 1751. Group of Angels. (After Gozzoli.)
 1752. Mary Magdalen. (After Bartholomeo.)
 1753. Æneas. (After Raphael.)
 1754. Madonna of the Goldfinch. (After Raphael.)
 1755. Mona Lisa. (After Lionardo Da Vinci.)
 1756. Three Ages of Man. (After Lotto.)
 1757. Unknown Man. (After Francia.)
 1758. Verocchio. (After Lorenzo di' Credi.)
 1759. Madonna and Child (with cherubs). (After Bellini.)
 1760. Detail of "The Last Judgment." (After Fra Angelico.)
 1761. Two Angels. (After Andrea del Sarto.)
 1762. Man with a Violin.
 1763. Madonna and Child. (After Botticelli.)
 1764. St. Agnes. (After Andrea del Sarto.)
 1765. St. Jerome. (After Ghirlandaio.)
 1766. St. Liberalis. (After Giorgione.)
 The above named engravings by Cole were lent by the Century Co., New York.
 1767. The Entombment.
Collins, Robert C., Rockville Centre, L. I., N. Y.
 1768. Florence, on the Arno.
 1769. An Archway in Siena.
1770. Henry VII Chapel.
 1771. Landing Stairs at Leghorn. (After J. Pennell.)
Comstock, Mrs. Anna Botsford, Ithaca, N. Y.
 1772. Tropical Moth.
 1773. Moths.
 1774. Moths.
 1775. A Moth.
 1776. Cherry Blossoms and Moths.
 1777. Rendezvous by Moonlight.
Cooper, Edith, New York.
 1778. Sheep. (After Davies.)
 1779. White Birches. (After Miller.)
 1780. Garrison Marching out with the Honors of War, Lille, 1708.
 1781. Springtime of Love. (After Thumann.)
Dana, William Jay, Brookline, Mass.
 1782. Twilight. (After J. Appleton Brown.)
 1783. The Mill at Cleeve. (After J. Appleton Brown.)
 1784. Pine Woods in Canada. (After F. Hopkinson Smith.)
 1785. Sunset. (After Corot.)
Davidson, Harry, New York.
 1786. Balaam and His Master. (After Howard Helmick.)
 1787. Canterbury Cathedral.
 1788. Afternoon at a Rancho.
 1789. Israel.
 1790. The Bowery at Night.
 1791. An Old Mill. (After A. Castaigne.)
 1792. Hard Winter.
Davis, John P., New York.
 1793. Woman and Bull. (After Roth.)
 1794. Among the Old Poets. (After Walter Shirlaw.)
 1795. The Cobblers. (After E. M. Ward.)
 1796. The Spring Song. (After Arthur B. Davis.)
 1797. The Bohemian. (After Paul W. Bartlett.)
 1798. The Autumn Hillside.
 1799. Joe Jefferson as Bob Acres. (After J. W. Alexander.)
Davis, Samuel P., Brooklyn.
 1800. An After Dinner Nap. (After Dolph.)
 1801. Cat and Kittens at Play. (After Mme. Ronner.)
 1802. French Hunting. (After Rosa Bonheur.)
Del'Orme, E. H., New York.
 1803. Esquimaux Life. (After W. L. Taylor.)
 1804. Birthplace of Beethoven.
 1805. Canoeing in Florida. (After V. Perard.)
 1806. Garden Scene in Venice. (After Rico.)
 1807. Landing of the Dutch Fleet. (After C. Delort.)
 1808. Cumnor Church.
 1809. An Iceberg. (After W. L. Taylor.)
Evans, John W., Brooklyn.
 1810. With Fate Against Them.
 1811. Indian Horserace. (After F. Remington.)
 1812. Moving the Fourth Cavalry. (After F. Remington.)
 1813. Fallow Deer. (After B. Hook.)
Fillebrown, F. E., Boston.
 1814. The Pleiades. (After Elihu Vedder.)
French, Frank, East Orange, N. J.
 1815. A Christmas Vigil.

DEPARTMENT K.—FINE ARTS.

1816. Under the Mistletoe.
 1817. Christmas Chimes.
 1818. Clara.
 1819. Valentine.
 1820. Old Residenter.
 1821. Country Store.
 1822. Daisies.
 1823. Vale of Tears.
 1824. African Woman.
 1825. Three wood engravings: Showery Days in the Meadows, Canterbury Meeting House, Morning in the Meadow.
 1826. Abundance. (After Martiny.)
 1827. Heneyah. (After Bridgman.)
 1828. The Tiger Hunt. (After Barye.)
 1829. Rose Leaves. (After Humphrey Moore.)
 1830. Isaac Walton. (After Boughton.)
 1831. The Rare Vase. (After Fortuny.)
 1832. Portrait of a Lady. (After F. Dielman.)
 1833. In the Enemy's Country. (After Gilbert Gaul.)
 1834. Lacing the Sandal. (After F. D. Millet.)
 1835. Bust of Mark Twain.
Grosch, Oskar, Cincinnati.
 1836. Women Knitting.
 Lent by G. Meinshausen, Cincinnati.
Heinmann, Ernest, Fort Wadsworth, L. I., N. Y.
 1837. Mermaid.
Johnson, Thomas, New York.
 1838. Head of a Man. (After Rembrandt.)
 1839. Browning.
 1840. Dr. J. Weir Mitchell. (After Holl.)
 1841. Bishop Potter. (After Huntington.)
 1842. Mrs. Bradley Martin. (After Carolus-Duran.)
 1843. Paderewski.
 1844. Tennyson.
 1845. Portrait of A. Lang. (After Richmond.)
 1846. Portrait of a Girl.
 1847. Daubigny.
 1848. Liszt. (After Munkaczy.)
 1849. Portrait of a Child. (After J. W. Alexander.)
Jungling, J. F., Jersey City.
 1850. The Queer Old Lady.
King, Francis S., Roseville, N. J.
 1851. Knowledge is Power. (After F. S. Church.)
 1852. Battle of the Sirens. (After F. S. Church.)
 1853. The Sorceress. (After F. S. Church.)
 1854. Fog. (After F. S. Church.)
 1855. Pandora's Box. (After F. S. Church.)
 1856. Girl and Tigers. (After F. S. Church.)
 1857. Charge of Cuirassiers. (After Aime Morot.)
 1858. Ivan the Terrible.
 1859. Rose.
 Nos. 1851-1859 lent by Harper & Bros., New York.
 1860. The Sibyl. (After F. S. Church.)
 1861. Christmas Fantasy.
 1862. F. S. Church in His Studio.
 1863. The Quartette. (After W. Dannat.)
 1864. A Difference. (After E. H. Blashfield.)
- Kingsley, Elbridge, Hadley, Mass.**
 1865. The White Mountain.
 1866. New England Elms.
 1867. Old Homestead. (After J. F. Murphy.)
 1868. Late Summer. (After R. Collin.)
 1869. Connecticut Valley.
 1870. Journey Northward.
 1871. The Flying Dutchman. (After A. P. Ryder.)
 1872. A Morning.
 1873. The Old Well. (After J. F. Murphy.)
 Lent by C. Klackner, New York.
 1874. Silence. (After W. Bliss Baker.)
 Lent by C. Klackner, New York.
 1875. Midsummer. (After Daubigny.)
 Lent by C. Klackner, New York.
 1876. Winter Morning. (After D. W. Tryon.)
 Lent by N. E. Montross, New York.
 1877. Autumn Evening. (After D. W. Tryon.)
 Lent by N. E. Montross, New York.
- Kruell, Gustav, East Orange, N. J.**
 1878. Portrait of William Lloyd Garrison.
 1879. Abraham Lincoln.
 1880. U. S. Grant.
 1881. Daniel Webster.
 1882. Harriet Beecher Stowe.
 1883. General Sherman.
 1884. William M. Hunt.
 1885. Asa Gray.
 1886. James Russell Lowell.
 1887. Charles Darwin, 1854.
 1888. Charles Darwin at 70.
 1889. Rent Day. (After Alfred Kappe.)
- Lindsay, Albert M., Philadelphia.**
 1890. The Coup.
 1891. Bowling.
 1892. The Singing Shepherd.
 1893. A Chinese Restaurant.
 1894. The Golden Wedding.
 1895. Yosemite Dome.
 1896. A Relic of the Departed South.
 1897. Shades of Evening.
 1898. An April Birthday at Sea.
 1899. The Departure to the Convent.
 1900. Presentation of a Circus in a Spanish Town.
 The blocks of the above engravings by Mr. Lindsay are owned by Harper & Bros., New York.
Lyouns, H. F. W., Boston.
 1901. Nydia.
 1902. Solitude.
 1903. Lost in a Cypress Swamp.
- Meinshausen, George, Cincinnati.**
 1904. The Life Boat.
 Lent by R. J. Witer & Co., Cincinnati.
- Miller, William, New York.**
 1905. Seven wood engravings in one frame: Sunset. (After George Inness.) Bohemienne. (After Franz Hals.) Etretat. (After George Inness.) Head. (After Rubens.) Kiss Me Quick. (After Munier.) Baby Mine. (After V. Tojetti.) Early Affection. (After V. Tojetti.)

UNITED STATES.

1906. **Muller, R. A., Brooklyn.**
I Am Perfectly Happy. (After J. G. Brown.)
1907. The De Brehan Miniature of Washington.
1908. The De Brehan Miniature of Nelly Custis.
1909. Sir William Temple. (After Lely.)
1910. Gilbert Burnett. (After Riley.)
1911. Lost. (After A. Schenk.)
1912. Taking of Numantia. (After Vera.)
Pettit, F. A., Brooklyn.
1913. By the Black Sea.
1914. Guyskill Mill.
1915. Centaur.
1916. Sandhills.
Powell, Caroline A., Trenton, N. J.
1917. The Resurrection. (After John La Farge.)
1918. An Organist.
1919. A Harpist.
1920. A Bit of Sunshine.
1921. The Three Marys. (After John La Farge.)
1922. Lady and Horse. (After A. H. Thayer.)
1923. Gorilla.
1924. Bubbles. (After Couture.)
1925. Windmills.
Putnam, S. G., Corona, Long Island, N. Y.
1926. Identity. (After Elihu Vedder.)
1927. Waterfall by Moonlight. (After R. A. Blakelock.)
1928. Mirabeau and the King's Messenger.
1929. Princess Marie of Austria.
1930. A Cozy Corner.
1931. Carne Castle.
1932. At the Continental Spring.
1933. Pirates Seizing a Ship.
1934. A Sheep Pasture.
Reed, Charles H., Philadelphia.
1935. Sarah Crew.
Lent by the Century Co., New York.
1936. On the Lowest Step of a Deserted House, St. Pasquale.
Lent by the Ladies' Home Journal, Philadelphia.
Schladitz, E., New York.
1937. Love Locked Out. (After Anna Lea Merritt.)
- 1937½. Grandmother.
Lent by Harper & Bros., New York.
- Schwarzburger, C., Brooklyn.**
1938. Etna. (After Harry Fenn.)
1939. On the River Thames, Ontario. (After Harry Fenn.)
States, Charles, New York.
1940. Oriental Street Scene. (After A. Castaigne.)
1941. Indians in Council.
Sugden, Thomas D., Flushing, L. I., N. Y.
1942. The Drinking Place.
Sylvester, Harry E., New York.
1943. Ship in the Fog.
1944. Twilight, Westminster Cathedral.
1945. Westminster Cathedral, Early Morning.
1946. St. Giles' Church.
Tietze, Richard G., New York.
1947. Elsie Leslie Lyde.
1948. The Little Frenchman at School.
1949. Abraham Lincoln and his Son.
Tinkey, John, Brooklyn.
1950. Exchanging Confidences. (After F. C. Jones.)
1951. All Halloween.
1952. Swine Herd, River Danube. (After F. D. Millet.)
1953. Apache Indian Firing on Teamster. (After F. Remington.)
1954. English Cathedral.
Wellington, Frank H., Passaic, N. J.
1955. Miles Standish's Challenge. (After E. A. Abbey.)
1956. One Day in June. (After W. T. Smedley.)
Williams, George P., Philadelphia.
1957. The Alderman.
1958. The Gladiators.
Wolf, Henry, New York.
1959. The Roadside. (After R. Swain Gifford.)
1960. New England Peddler. (After Eastman Johnson.)
1961. My Sister Lydia. (After E. C. Tarbell.)
1962. The Virgin Enthroned. (After A. H. Thayer.)
1963. Twilight. (After Alexander Harrison.)
1964. The Portrait. (After Will H. Low.)
1965. Alice. (After W. M. Chase.)
1966. Miss Beatrice Goelet. (After J. S. Sargent.)
1967. Tiger. (After Adolf Menzel.)
1968. Madonna and Child. (After Dagnan-Bouveret.)
1969. Thirst. (After Gerôme.)
- Miscellaneous Prints.**
- Closson, W. B., Lancaster, Mass.**
1970. Rembrandt's Mother.
1971. The Belated Bird.
1972. Nymph and Great Bubble.
1973. Portrait of Whittier.
Nos. 1970-1973 are prints from Closson intaglio plates.
1974. Hawthorne's Boat House. (Relief engraving by a method of Closson's own invention.)
1975. Helen. (Mezzotint.)
- Girsch, F., Mount Vernon, N. Y.**
1976. Grandma's Toast. (After M. R. Dixon.)
1977. Bank Note Vignettes. (Steel Engraving.)
- Moran, Peter, Philadelphia.**
1978. A Country Smithy. (Mezzotint.)
- Rosenthal, Max, Philadelphia.**
1979. Romola. (Mezzotint.)
- Sartain, John, Philadelphia.**
1980. Irene. (After Coomans. Steel Engraving.)
- Sartain, William, New York.**
1981. Symphony. (Mezzotint.)
1982. Ione. (Mezzotint.)
- Schlecht, Charles, New York.**
1983. Eyes to the Blind. (After A. F. Bellows. Steel Engraving.)
1984. Love's Young Dream. (After Jennie Brownscombe. Steel Engraving.)
1985. Thoughts by the Sea. (After J. G. Brown. Steel Engraving.)

DEPARTMENT K.—FINE ARTS.

1986. The Smoker. (After Leon Moran. Steel Engraving.)
Schoff, S. A., Greenfield, Mass.
1987. Marine View. (After M. F. H. De-Haas. Steel Engraving.)
1988. Portrait of Ralph Waldo Emerson. (After S. W. Rowse. Steel Engraving.)
1989. The Bathers. (After W. M. Hunt. Steel Engraving.)
Walker, Charles A., Boston.
1990. Rough Weather. (Monotype.)
1991. After the Storm. (Monotype.)
1992. Evening Approaching. (Monotype.)
1993. The Approach of Evening. (Original Lithograph.)

GROUP 144.

Chalk, Charcoal, Pastel and Other Drawings.

Pastel Drawings.

- Allan, W. R., New York.**
1994. The Gleaner.
1995. Landscape.
1996. Ideal Head.
1997. A Portrait.
Beaux, Cecilia, Philadelphia.
1998. Portrait.
 Lent by William Bradshaw, Philadelphia.
- Binney, Martha G., New York.**
1999. Sketch of Haystacks.
Brown, J., Appleton, New York.
2000. Sand Dunes.
2001. December.
2002. Springtime.
2003. Summer.
Cauldwell, Leslie, Paris.
2004. Evening.
Champney, J. Wells, New York.
2005. Portrait of Rev. Robert Collyer
2006. Suzanne.
2007. Portrait of Mrs. Champney.
Chase, William M., New York.
2008. Good Friends.
Corwin, Charles A., Chicago.
2009. Oat Harvest.
Curran, Charles C., New York.
2010. Night.
 Lent by W.T. Evans, New York.
- Du Mond, L. A., Paris.**
2011. Priscilla and John Alden.
Eaton, Charles Warren, New York.
2012. Wintry Fields.
2013. Flowers of Autumn.
2014. December Sunset.
Emmet, Lydia Field, New York.
2015. A Portrait Sketch by Lamplight.
Hamilton, John McLure, London.
2016. Cardinal Manning, the Palace, Westminster, 1890.
Harrison, Birge, Paris.
2017. Evening on the Seine.
Hecker, Caroline F., New York.
2018. Yellow and White Roses.
2019. Roses.
Klumpke, Anna E., Boston.
2020. Portrait of Miss K. H.
 Lent by Miss Lilian Horsford Cambridge, Mass.
- MacKubin, Florence, Baltimore.**
2021. Portrait Study in Yellows.

- Mills, Lena, New York.**
2022. Boy's Head.
2023. Portrait of a Lady.
Muhrman, Henry, London.
2024. Trees and Pond, Hampstead Heath.
2025. Landscape, Hampstead Heath
2026. Scene on Hampstead Heath.
2027. Firs and Gorse.
2028. Houses, Hampstead Heath.
2029. Vale of Health, Hampstead Heath.
2030. View of Highgate.
2031. Old Tree.
2032. Shells.
2033. Birch Trees.
2034. Field of Buttercups.
Reaugh, F., Oak Cliff, Tex.
2035. Landscape with Cattle.
2036. February in Texas.
Reynolds, Alice M., New York.
2037. Portrait.
Rolshoven, Julius, Paris.
2038. In the Shade.
2039. Ave Maria.
2040. Chioggia Fishermen Reading Tasso.
2041. A Chioggia Fisherman.
Sherwood, Rosina Emmet, New York.
2042. A Sleeping Child.
2043. The Black Cockade.
2044. View in Central Park.
Stewart, Jules L., Paris.
2045. Portrait of Mrs. Broleman.
 Lent by William H. Stewart, Paris.
- Thomson, William, London.**
2046. Study of a Head.
Twachtman, J. H.
2047. Le Gorge d'Enfer (Throat of Hell).
 Lent by Charles Scribner's Sons, New York.
- Wadsworth, Adelaide, Boston.**
2048. Fishing Boats at Anchor, Venice.
Wagner, Jacob, Boston.
2049. Portrait of My Mother.
Weil, Gertrude, Philadelphia.
2050. Silence.
Wuerpel, Edward H., Paris.
2051. Majella, a Study.
 Lent by William Taussig, St. Louis.
- Young, Charles Morris, Gettysburg, Pa.**
2052. The Cornfield at Twilight.
- Pen and Ink, Charcoal, Black and White, and Other Drawings.**
- Alexander, J. W.**
2053. Skeesicks Adrift from Redwood Camp. (Black and white.)
 Lent by Charles Scribner's Sons, New York.
- Abbey, Edwin A.**
2054. As You Like it. Rosalind: "O Jupiter, how weary are my spirits." (Pen drawing.)
2055. Merry Wives. Fenton: "And tells me 'tis a thing impossible." (Pen drawing.)
2056. Merchant of Venice. "It falleth like the gentle rain from heaven." (Pen drawing.)
2057. Merchant of Venice. Portia: "Away then. I'm locked in one of them." (Pen drawing.)
2058. Tempest. Ferdinand: "I am, in my condition, a prince." (Pen drawing.)

UNITED STATES.

2059. Tempest. Prospero. "Fetch me the hat and rapier." (Pen drawing.)
2060. Tempest. Miranda and Ferdinand. (Pen drawing.)
2061. Tempest. Caliban, Trinculo, Stephano and Ariel invisible. (Pen drawing.)
2062. Tempest. Alonzo, Gonzalo and others enter the circle. (Pen drawing.)
2063. Tempest. Trinculo: "What have we here." (Black and white.)
2064. Measure for Measure. "Sweet sister, let me live." (Pen drawing.)
2065. Measure for Measure. Mariana and boy singing. (Black and white in oil.)
2066. Measure for Measure. Friar Thomas and the Duke. (Black and white in oil.)
2067. Measure for Measure. Angelo and Isabella. (Black and white in oil.)
The above fourteen illustrations of Shakespeare were lent by Harper & Bros., New York.
Attwood, Francis Gilbert, Boston.
- 2068-2077. Ten sketches for "Life." (Pen drawings.)
Lent by Mitchell & Miller, New York.
Bacher, Otto H., New York.
2078. Statue of Ferdinand in the Cathedral at Malaga. (Pen drawing.)
2079. Japanese Armor, 14th Century. (Pen drawing.)
2080. Japanese Armor, 16th Century. (Pen drawing.)
The above three drawings were lent by the Century Co., New York.
2081. Grain Elevator. (Wash drawing.)
2082. Unloading a Banana Steamer. (Black and white.)
2083. Night Signaling on an Ocean Steamer. (Black and white, oil.)
Bellew, F. P. W.
2084. Sketch for "Life." (Pen drawing.)
Lent by Mitchell & Miller, New York.
Birch, Reginald B., New York.
2085. Brother Stölz's Beat. (Wash drawing.)
2086. The Little Lovers. (Black and white.)
The above two drawings were lent by the Century Co., New York.
Blashfield, Edwin H., New York.
2087. The Fairest Maiden. (Pen drawing.)
2088. His Lordship's Bedtime. (Black and white, oil.)
The above two drawings were lent by the Century Co., New York.
2089. Charms with Holy Water. (Black and white, oil.)
Lent by Charles Scribner's Sons, New York.
Bloodgood, Robert F., New York.
2090. The End of the Outlaw. (Pen drawing.)
Blum, Robert, New York.
2091. Wandering Etas. (Pen drawing.)
2092. Japanese Policeman. (Pen drawing.)
2093. A Shop for Lamps. (Pen drawing.)
2094. Japanese Girl. (Pen drawing.)
2095. Its Tiny Head Swung Hither and Thither. (Pen drawing.)
2096. The Ameya. (Pen drawing.)
2097. Be Pleased to Bring in the Honorable Account. (Wash drawing.)
2098. My Eye was Caught by the Gleam of a Brass Doorknob. (Wash drawing.)
2099. She Looked at Me and Spoke Trustingly. (Wash drawing.)
2100. The Tall Ladder of a Fire Station. (Wash drawing.)
2101. Tea Pot and Crockery. (Wash drawing.)
2102. Benteen Cave, Enoshina. (Wash drawing.)
2103. The Amma Japonica. (Pen drawing.)
2104. Where the Proprietor, Stark Naked, Pestles the Paddy. (Wash drawing.)
2105. She Laid her Hand on His Arm. (Wash drawing.)
2106. Head of the Street, Enoshina. (Wash drawing.)
2107. A Street Scene, Enoshina. (Wash drawing.)
2108. Japanese Dinner at Golden Koi. (Wash drawing.)
2109. A Little City Back Yard. (Wash drawing.)
2110. Watching the Election Returns, Japan. (Wash drawing.)
2111. A Begging Priest. (Black and white.)
2112. On the Hillside at Enoshina. (Black and white.)
The above twenty-two drawings were lent by Charles Scribner's Sons, New York.
2113. The Plankway to Benteen Cave. (Wash drawing.)
2114. Fray Innocencio and Flojo. (Pen drawing.)
2115. The Man is Dead He Said. (Black and white.)
Broughton, C.
2116. Fifth Avenue Stage. (Pen drawing.)
(Lent by Mitchell & Miller, New York.)
Bradley, Horace, New York.
2117. Still Life Class Room. Art Student's League, N. Y.
- Burns, M. J.**
2118. By George! I've Got Him. (Black and white.)
2119. Working Drops and Borders from the First Fly Gallery. (Black and white.)
2120. Danger Ahead! (Black and white.)
2121. Interior of a Round House. (Black and white, in oil.)
The above four drawings were lent by Charles Scribner's Sons, New York.
Castaigne, A., Baltimore.
2122. Queen of the Felibres, Provence. (Charcoal drawing.)
2123. Portrait of Mlle. Roumanille. (Charcoal drawing.)
2124. Open Air Theatre, Provence. (Charcoal drawing.)
2125. The Shops of Catelan, Provence. (Charcoal drawing.)
2126. Shop of Roumanille. (Black and white.)
2127. Preparing for the Final Dance. (Black and white, oil.)

DEPARTMENT K.—FINE ARTS.

2128. Circling the Lodges. (Black and white, oil.)
2129. The Dance Was in Full Swing. (Black and white, oil.)
2130. Festival of the Felibres, Provence. To Mistral. (Black and white, in oil.)
2131. Running through Vers, Provence. (Black and white, in oil.)
2132. Good-bye at Nimes, Provence. (Black and white, in oil.)
2133. Inn Yard at Collias, Provence. (Black and white, in oil.)
2134. Isle of La Barthelasse at Night, Provence. (Black and white, in oil.)
2135. Up the Maiensi Pass. (Black and white, in oil.)
2136. L'Isle sur Jurgues. (Black and white, in oil.)
2137. On the Otomi Pass, Japan. (Black and white, in oil.)
The above sixteen drawings were lent by the Century Co., New York.
2138. On a Great Cattle Trail. (Black and white, oil.)
Lent by Charles Scribner's Sons, New York.
- Chapman, Carlton T., New York.**
2139. Port of Valparaiso in a Norther. (Wash drawing.)
2140. White Star Steamer Majestic. (Black and white.)
2141. The Largest Steamer on the Lakes. (Black and white.)
The above three drawings were lent by Charles Scribner's Sons, New York.
- Chase, William M., New York.**
2142. Like Mother Like Daughter. (Pencil drawing.) Lent by Harper & Bros., New York.
- Church, F. S., New York.**
2143. Flapjacks. (Black and white.)
Lent by Harper & Bros., New York.
2144. Sketch for Window for Tiffany Glass Co. (Black and white.)
- Cox, Kenyon, New York.**
2145. M. Daubray of the Palais Royal. (Pen drawing, after photo.)
Lent by Charles Scribner's Sons, New York.
2146. Bust of J. Alden Weir, by Olin Warner. (Pen drawing.)
2147. Veiled Moorish Woman. (Pen drawing, after photo.)
2148. The Iroquois Arrow. (Black and white, oil.)
2149. Reading in the Chapter Room, La Trappe. (Black and white, oil.)
The above four drawings were lent by the Century Co., New York.
- Day, Francis, Nutley, N. J.**
2150. Reluctant, She Turned to Him. (Wash drawing.)
Lent by the Century Co., New York.
- Denman, Herbert.**
2151. Satisfactory as any Visitors Are the Children. (Black and white, oil.)
2152. Another Visitor Who Never Misses a Welcome, is the Bringer of Eatables. (Black and white, oil.)
The above two pictures were lent by Charles Scribner's Sons, New York.
- Du Mond, F. V., New York.**
2153. Bamboula. (Black and white.)
2154. Tryste Noël. (Scratch.)
The above two drawings were lent by Harper & Bros., New York.
2155. Madonna. (Black and white, oil.)
2156. Holding Tight to Patty's Hand. (Black and white, oil.)
The above two drawings were lent by the Century Co., New York.
- Eaton, Wyatt.**
2157. Asleep Upon the Grass. (Pen drawing.)
Lent by Charles Scribner's Sons, New York.
- Edwards, George Wharton, New York.**
2158. One Would Have Thought She was Really a Boy. (Black and white.)
2159. At Dinner. (Black and white.)
The above two drawings were lent by the Century Co., New York.
- Fenn, Harry, Montclair, N. J.**
2160. Sepulchres of Ferdinand and Isabella, Philip, and Joanna in the Royal Chapel, Granada. (Pen drawing.)
2161. Escutcheon and Fireplace in the Manor House, Gardiner's Island. (Pen drawing.)
2162. Castillo de la Mota, near Medina, Spain. (Wash drawing.)
2163. Kiga. (Wash drawing.)
2164. First Glimpse of the Kusneh, Petra. (Black and white.)
2165. Tower of Trinity Church, Boston. (Black and white.)
The above seven drawings were lent by the Century Co., New York.
2166. Rousseau's House and Stairs to Studio, at His Death, 1867. (Black and white.)
2167. East End of Ganne's Hotel, Barbizon. (Black and white.)
The above two drawings were lent by Charles Scribner's Sons, New York.
2168. On the Common, Gardiner's Island. (Black and white.)
- Ferris, Stephen J., Philadelphia.**
2169. Fortuny Lying in State. (Crayon.)
Lent by Edward H. Coates, Philadelphia.
- Fraser, John A., New York.**
2170. Back of the Village, Chiddingstone, Kent. (Black and white.)
2171. Cathedral Rocks, Yosemite. (Black and white.)
2172. Sentinel Rock. (Black and white.)
The above two pictures were lent by the Century Co., New York.
2173. The Corner, Kent. (Wash drawing.)

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- Fraser, Malcolm, Paris.**
 2174. The Road to Johore—A Malay Village. (Wash drawing.)
 Lent by the Century Co., New York.
- Frost, A. B., Courent, Morris County, N. J.**
 2175. Have You Happened to Hear Anybody Speak of Me? (Pen drawing.)
 2176. Is Dese yer Bobolitionists Got Horns 'n' Huffs? (Pen drawing.)
 The above two drawings were lent by the Century Co., New York.
2177. The Negro Leaned, Exhausted, Against the Wall. (Pen drawing.)
 2178. Men at a Card Table. (Pen drawing.)
 2179. An' then He Marched off to Bed by Himself. (Pen drawing.)
 2180. We'll All Swa'r to it. (Wash drawing.)
 2181. If You Pull that Trigger and Hit the Mark, Ye can Ride off Free. (Wash drawing.)
 2182. Dead as a Hammer—Ain't He, Mac? (Wash drawing.)
 The above six drawings were lent by Charles Scribner's Sons, New York.
2183. A Prize. (Black and white.)
 2184. Fishing for Striped Bass in the Surf. (Black and white.)
 2185. The Ice Harvest. (Black and white.)
 2186. Missed Him Agin, by Ginger! (Black and white.)
 2187. Quail Shooting—Four Barrels and Four Birds. (Black and white.)
 The above five drawings were lent by Harper & Bros., New York.
- Gates, J. H.**
 2188. A Sketch, for "Life." (Black and white.)
 Lent by Mitchell & Miller, New York.
- Gaul, Gilbert, New York.**
 2189. A Pulque Carrier, Mexico. (Black and white in oil.)
 2190. The Journey in the Market Cart. (Black and white in oil.)
 2191. Landing at Chagres. (Black and white in oil.)
 2192. Pleasant Weather in the Gulf. (Black and white in oil.)
 2193. Gorgona, Panama. (Black and white in oil.)
 2194. The Pilot, Jamaica. (Black and white in oil.)
 2195. The Kitchen, Jamaica. (Black and white in oil.)
 2196. Pleased. A Cheer for the Old Flag. (Black and white in oil.)
 2197. The Master's Lunch, Jamaica. (Black and white in oil.)
 2198. Dining-room, French's Hotel, Panama. (Black and white in oil.)
 2199. The Steamer is in Panama. (Black and white in oil.)
 2200. A Crowded Steamer. To California in 1849. (Black and white, oil.)
 The above twelve drawings were lent by the Century Co., New York.
- Gibson, C. D., New York.**
 2201. Yes, it is too Bad. (Pen drawing.)
2202. You Must Tell Your Friend Not to be Frightened at the House. (Pen drawing.)
 2203. Awfully Kind of You to Come to Our Little Shanty in the Wilderness. (Pen drawing.)
 2204. And the Two Smoked in Silence. (Pen drawing.)
 2205. Aren't You Pleased With Me? (Pen drawing.)
 2206. Debutantes Leaning on His Arm. (Pen drawing.)
 2207. The Young Men in the House Thought Her a Jolly Girl. (Pen drawing.)
 2208. Mrs. Vernon had Crossed the Rubicon. (Pen drawing.)
 2209. He is Waiting for Me. (Pen drawing.)
 2210. Lord and Lady William Hampshire. (Pen drawing.)
 2211. We are Behind Time, Mrs. Van Benson and I. (Pen drawing.)
 2212. When Luella Lost Her Grip. (Pen drawing.)
 2213. The Meeting in Mrs. Van Shuter's Empire Room. (Pen drawing.)
 2214. I Am Glad that Tempest in a Teapot is Over. (Pen drawing.)
 The above fourteen drawings were lent by the Century Co., New York.
2215. Her First Appearance. (Pen drawing.)
 2216. The American Girl. (Pen drawing.)
 The above two drawings were lent by Harper & Bros., New York.
2217. I Wish to God You Were Out of the Business. (Wash drawing.)
 2218. In the Studio. (Wash drawing.)
 2219. A Serious Question. (Wash drawing.)
 The above three drawings were lent by Charles Scribner's Sons, New York.
2220. Cartoon, for "Life." (Pen drawing.)
 Lent by Mitchell & Miller, New York.
2221. Two Girls and a Man. (Pen drawing.)
 2222. The Jury. (Pen drawing.)
 2223. In the Moonlight. (Pen drawing.)
 2224. Drifting Apart. (Pen drawing.)
 2225. Will Penelope Land the Baron? (Pen drawing.)
 2226. At Mrs. Flatsharp's. (Pen drawing.)
 2227. The Prisoner at the Bar. (Pen drawing.)
 2228. Time! (Pen drawing.)
 2229. In Leap Year. (Pen drawing.)
 2230. In Leap Year Starting on Their Wedding Journey. (Pen drawing.)
 2231. In Leap Year. After Having Kept the Men Waiting. (Pen drawing.)
 2232. The Horse Show. (Pen drawing.)
 2233. That Delicious Moment When You are Asked to Take in to Dinner the Girl Who Refused You Yesterday. (Pen drawing.)
 2234. A Summer Vacation. (Pen drawing.)
 2235. Fourth of July. (Pen drawing.)
 2236. At Mrs. Van Tappan's. (Pen drawing.)
 2237. At Mrs. Daubleigh Chrome's. (Pen drawing.)
 2238. At the Gentlemen's Chowder Club. (Pen drawing.)

DEPARTMENT K.—FINE ARTS.

- Gibson, W. Hamilton, Brooklyn.**
 2239. Night Hawk. (Pen drawing.)
 2240. Orange Boughs. (Charcoal.)
 2241. A Misty Morning. (Smoke.)
 2242. Los Loros, Andes. (Black and white.)
 2243. A California Garden. (Black and white.)
 2244. The Bobolink at Home. (Black and white.)
 2245. A Midnight Tragedy. (Black and white.)
 2246. The Wild Garden. (Black and white.)
 2247. A Winter Ravine. (Black and white.)
 2248. The Sly Silyer Fox. (Black and white.)
 2249. Cyrepedium Spectabile. (Black and white.)
 2250. A Relic of the Departed South. (Black and white.)
 2251. A Southern Canebroke Jungle. (Black and white.)
 2252. On Bayou Teche, Louisiana. (Black and white.)
- Hammer, John J., New York.**
 2253. Study Head. (Charcoal.)
- Helmick, Howard, Washington, D.C.**
 2254. Many a Bride Slipped from Aboard Her Husband's Whaler. (Black and white.)
 2255. Faith'd Fetch It. (Black and white.)
 2256. On the Floor Lay Berrian Cozart. (Black and white, oil.)
 The above three drawings were lent by the Century Co., New York.
- Herford, O.**
 2257. Sketch, for "Life." (Pen drawing.)
 Lent by Mitchell & Miller, New York.
- Hitchcock, George.**
 2258. A North Sea Dutch Fisherman. (Wash drawing.)
 2259. Corner of a Dutch Captain's Kitchen. (Black and white.)
 2260. Dutch Fishing Boats.
 The above three drawings were lent by Charles Scribner's Sons, New York.
- Hyde, W. H., New York.**
 2261. At Home. (Pen drawing.)
- Johnson, C. H.**
 2262. Sketch No. 1, for "Life." (Pen drawing.)
 2263. Sketch No. 2, for "Life." (Wash drawing.)
 Lent by Mitchell & Miller, New York.
- Kemble, E. W., New Rochelle, N.Y.**
 2264. Have You Forgot Your Brother Ab., Peggy? (Pen drawing.)
 2265. Sergeant Bowers Receiving Orders. (Pen drawing.)
 2266. Sperrits. (Pen drawing.)
 2267. The Plantation Bell. (Pen drawing.)
 2268. Food for the Confederate Wounded. (Pen drawing.)
 2269. A Race Problem. (Pen drawing.)
 2270. The Cake Walk. (Pen drawing.)
 2271. Polly Ann. (Pen drawing.)
 2272. Uncle Peter Bean. In the Cotton Mill, Georgia. (Two pen drawings.)
 2273. A Field Hand. (Pen drawing.)
 2274. Like an Ebony Statue of Liberty (Wash drawing.)
2275. Saving His Master. (Black and white.)
 The above thirteen drawings were lent by the Century Co., New York.
- Low, Will H., New York.**
 2276. Through Our Tendriled Arches the Famed Æolian Quire. (Black and white.)
 Lent by the Century Co New York.
2277. Old Field at Barbizon. (Wash.)
 2278. Narcissus. (Black and white, oil.)
 The above two drawings were lent by Charles Scribner's Sons, New York.
- Millet, F. D., New York.**
 2279. Study of Heads. (Pen drawing.)
 2280. A Prisoner. (Pencil.)
 2281. In the Supper Room. (Black and white.)
 2282. Camel Driver. (Black and white.)
 2283. Driving a Team. (Black and white.)
- Meza, Wilson de, Lakewood, N. J.**
 2284. Sketch No. 1, for "Life." (Black and white.)
 2285. Sketch No. 2, for "Life." (Black and white.)
 2286. Sketch No. 3, for "Life." (Black and white.)
 The above three sketches were lent by Mitchell & Miller, New York.
2287. Drawing for Illustration. (Black and white.)
 2288. When Through Feast-Litten Halls. (Black and white.)
- Metcalf, W. L.**
 2289. Stinner House, Pelham Bay Park. (Pen drawing.)
 2290. The Picture Gallery. (Black and white.)
 2291. He Drove the Knife Through His Hand. (Black and white.)
 2292. Cable Hut at Shore End. (Black and white, oil.)
 The above four drawings were lent by Charles Scribner's Sons, New York.
- Mowbray, A. Siddons.**
 2293. Ben Hur. (Black and white, oil.)
 Lent by Harper & Bros., New York.
- Newell, R. S.**
 2294. A Reminder of Old Virginia. (Black and white.)
 Lent by Harper & Bros., New York.
- Nichols, H. D.**
 2295. Interior of Manufactures and Liberal Arts Building, W. C. E. (Black and white.)
 Lent by Harper & Bros., New York.
- Pape, Frederick S. M., Paris.**
 2296. The Sphinx by Moonlight. (Pen drawing.)
 Lent by Century Co., New York.
- Parsons, Alfred, New York.**
 2297. Crossing Weir. (Wash drawing.)
 2298. In Silistria. (White and black.)
 2299. Singing Shepherd. (White and black.)
 2300. Pig Wallow. (Black and white.)
 2301. Ischatal, St. George. (Black and white.)

UNITED STATES.

2302. Camp opposite Kalafat. (Black and white.)
The above six drawings were lent by Harper & Bros., New York.
2303. The Snowdrop. (Black and white.)
2304. Daffodils. (Black and white.)
Pennell, Joseph, London.
2305. St. Edmund's Chapel, Westminster Abbey. (Pen drawing.)
2306. York Cathedral: Chapter House, Fair-Sisters, and Central Tower. (Pen drawings.)
2307. Old Battersea Church, Chelsea. (Pen drawing.)
2308. One Bay of the Angel Choir, Lincoln Cathedral. (Pen drawing.)
2309. Western Part of Ely Cathedral, from Garden in Close. (Pen drawing.)
2310. Sally Harrowell's Shop, Rugby. (Pen drawing.)
2311. Florence from Boccaccio's Villa. (Pen drawing.)
2312. In the Garden, Boccaccio's Villa. (Pen drawing.)
2313. In the Nave, Westminster Abbey. (Pen drawing.)
2314. Villa on the Road to Fiesole. (Pen drawing.)
2315. Northwest View of Gloucester Cathedral. (Pen drawing.)
2316. South Side of Lincoln Cathedral. (Pen drawing.)
2317. Well's Cathedral Choir, Looking East. (Pen drawing.)
2318. Dryden's Monument, Westminster Abbey. (Pen drawing.)
2319. Winchester Cathedral Choir and Presbytery, Looking East. (Pen drawing.)
2320. The Vicar's Close, Well's Cathedral. (Wash drawing.)
2321. Well's Cathedral Nave, Looking East. (Wash drawing.)
2322. Wargrave; Sonning Bridge; Landing at Richmond. (Wash drawings.)
2323. Gloucester Cathedral Nave from the North Aisle. (Wash drawing.)
The above drawings by Pennell were lent by the Century Co., New York.
2324. Four Pen Drawings from Charing Cross to St. Paul's.
2325. Five Pen Drawings from Charing Cross to St. Paul's. (1)
2326. Five Pen Drawings from Charing Cross to St. Paul's. (2)
2327. Six Pen Drawings from Charing Cross to St. Paul's. (1)
2328. Six Pen Drawings from Charing Cross to St. Paul's. (2)
- Pennington, Harper, New York.**
2329. In the Workshop, Philadelphia Manual Training School. (Black and white.) Lent by the Century Co., New York.
- Perard, Victor.**
2330. River Police Patrol Boat. (Wash drawing.)
2331. Pelham Park. (Wash drawing.)
The above two drawings were lent by Charles Scribner's Sons, New York.
- Pyle, Howard, Wilmington, Del.**
2332. In the Valley. (1) (Black and white in oil.)
2333. In the Valley. (2) (Black and white in oil.)
2334. In the Valley. (3) (Black and white in oil.)
2335. The Oak of Geismar. (Black and white in oil.)
2336. Gambetta Proclaiming the Republic. (Black and white in oil.)
2337. A Moment Later There was a Great Hammering at the Door. (Black and white in oil.)
The above six drawings were lent by Charles Scribner's Sons, New York.
2338. Indian Woman Saving the Life of John Brown. (Black and white, oil.)
2339. Along the Canal in Old Manhattan. (Black and white, oil.)
The above two drawings were lent by Harper & Bros., New York.
2340. They Used to Drill Every Evening. (Black and white.)
Lent by the Century Co., New York.
- Redwood, Allen C., Bergen Point, N. J.**
2341. Barksdale's Mississippians Opposing Laying of Pontoon Bridges. (Pen drawing.)
2342. A Camp Toilet. (Pen drawing.)
2343. I'm Ready to Begin Right Now. (Black and white.)
2344. General Grant Can't Have any Water from this Spring. (Black and white.)
2345. Perpetual Motion. (Black and white.)
2346. Our March Against Pope. (Pen drawing.)
2347. A Stag Dance. (Black and white.)
2347. The Retreat from Gettysburg. (Black and white.)
2348. Dress Parade. (Black and white.)
The above ten drawings were lent by the Century Co., New York.
- Reinhart, Charles S., New York.**
2349. A Kissing Gate. (Pen drawing.)
2350. Government Wharf, Fort Monroe. (Pen drawing.)
2351. Up the Hudson. (Pen drawing.)
2352. Portrait of Charles Dudley Warner. (Charcoal.)
2353. A Near-Sighted Deputy. (Charcoal.)
2354. Liberal and Conservative. (Charcoal.)
2355. A Tramp. (Charcoal.)
2356. Christmas Morning. (Charcoal.)
2357. Illustration. (Black and white.)
2358. Skating. (Wash drawing.)
- Remington, Frederick, New Rochelle, N. Y.**
2359. Roping in a Horse, Corral. (Pen drawing.)
2360. The Old Trapper. (Pen drawing.)
2361. A Member of the Mounted Police, Canada. (Pen drawing.)
2362. Infantry Covering the Withdrawal of Cavalry. (Wash drawing.)
2363. Behind the Breastworks, Besieged by Utes. (Wash drawing.)

DEPARTMENT K.—FINE ARTS.

2364. A Sample Steed. (Black and white.)
 2365. A War Party of Comanches "Jumping" a Hunter's Camp. (Black and white.)
 2366. Splitting the Buffalo Herd. (Black and white, oil.)
 2367. "Boots and Saddles." (Black and white, oil.)
 The above nine drawings were lent by the Century Co., New York.
2368. Rounding Up. (Wash drawing.)
 2369. Pitching Broncos. (Wash drawing.)
 2370. General Miles Reviewing the Mexican Army. (Wash drawing.)
 2371. Polish Village. (Wash drawing.)
 2372. Some Idle Notes on "The Most Noble Profession" in Europe. (Wash drawing.)
 2373. At the Horse Show. (Wash drawing.)
 The above six drawings were lent by Harper & Bros., New York.
- Rhodes, Charles W., Chicago.**
 2374. Study Head. (Charcoal.)
Robinson, Theodore, New York.
 2375. Claude Monet. (Charcoal.)
Rogers, W. A., New York.
 2376. Home, Sweet Home.
 2377. You Put in Two Dollars and Eight Cents. (Pen drawing.)
 2378. Lost (Black and white.)
 2379. Three Cheers for the First Sod. (Black and white.)
 2380. In the Narrow Trail. (Black and white.) The above five drawings were lent by the Century Co., New York.
 2381. Sketch No. 1, for "Life." (Pen drawing.)
 2382. Sketch No. 2, for "Life." (Pen drawing.)
 2383. Sketch No. 3, for "Life." (Pen drawing.)
 2384. Sketch No. 4, for "Life." (Pen drawing.)
 The above four drawings were lent by Mitchell & Miller, New York.
2385. The Postman. (Pen drawing.)
 2386. Armed Peace. (Pen drawing.)
 2387. The Chapel Steps. (Pen drawing.)
 2388. The Call for Trumps. (Pen drawing.)
 2389. Sunday in the Park. (Pen drawing.)
 2390. Museum Treasures. (Pen drawing.)
 2391. Inauguration Ball. (Pen drawing.)
 2392. A Tug of War. (Pen drawing.)
 2393. A Belle of Greenwich (Wash drawing)
 2394. Broadway Stage, 1831. (Black and white.)
 2395. Prologue to "She." (Black and white.)
 2396. Camp Fire. (Black and white.)
 2397. Out of the Game. (Black and white.)
 2398. Arab Colony of New York. (Black and white.)
 2399. No Frost Within. (Black and white.)
 2400. The Salvation Army. (Black and white.)
Sandham, Henry, Boston.
 2401. Snow-shoeing by Torchlight. (Black and white.)
 Lent by the Century Co., New York.
- Shirlaw, Walter, New York.**
 2402. Broad Street Railway Station, Philadelphia. (Black and white.)
 Lent by Charles Scribner's Sons, New York.
- Small, Frank O., Boston.**
 2403. Pop Concert. (Black and white.)
 2404. The Last Picnic of the Season. (Black and white.)
 The above two drawings were lent by Harper & Bros., New York.
2405. The Dawn Struggling with the Night. (Black and white.)
 2406. A Forgotten Ancestor. (Black and white.)
 2407. Christmas Presents at the Breakfast Table. (Black and white.)
 2408. Afternoon, Commonwealth Avenue, Boston. (Black and white.)
 2409. Said in Passing. (Black and white.)
 2410. Sketch No. 1, for "Life." (Black and white.)
 Lent by Mitchell & Miller, New York.
- Smedley, W. T., New York.**
 2411. Exhibition Grounds in 1891. (Black and white.)
 2412. Before the Agricultural Building. (Black and white.)
 2413. Lake Front—side of main building. (Black and white.)
 The above three drawings were lent by Charles Scribner's Sons, New York.
2414. At the Hotel. (Black and white.)
 Lent by Harper & Bros., New York.
2415. In a Restaurant. (Pencil.)
 2416. Illustration. (Black and white.)
 2417. Old Guard Ball. (Black and white.)
 2418. An Invitation to the Dance. (Black and white.)
 2419. In the House of Representatives. (Black and white.)
 2420. Cowboy. (Black and white.)
 2421. Illustration. (Wash drawing.)
 2422. Ladies' Gallery, House of Representatives. (Black and white.)
 2423. Easter Lilies. (Black and white.)
 2424. Broadway at Night. (Black and white.)
 2425. Promenade Concert, Madison Square Garden. (Black and white.)
 2426. A Bishop. (Black and white.)
 2427. Relics of George Washington. (Black and white.)
 2428. Onnalinda. (Black and white.)
 2429. When the Tide Comes in. (Black and white.)
 2430. Jane Field, I aint Esther Maxwell. (Black and white.)
 2431. On the Rocks at Narragansett Pier. (Black and white.)
 2432. Sunday Morning, Fifth Avenue. (Black and white.)
 2433. A King's Daughter. (Black and white.)
 2434. Christmas Shopping. (Black and white.)
 2435. On the Down Town Ferry. (Black and white.)
 2436. A Bit of Decoration. (Black and white.)

UNITED STATES.

2437. **Smith, F. Hopkinson, New York.**
It Was Near the Close of a Summer Afternoon. (Charcoal.)
Lent by Charles Scribner's Sons, New York.
2438. Windmill. (Charcoal.)
2439. Scene in Venice. (Black and white.)
Stephens, Alice Barber, Philadelphia.
2440. Music. (Black and white.)
Lent by Ladies' Home Journal Philadelphia.
2441. Their Perfume Flooded the House. (Black and white.)
Lent by Leslie's Weekly, New York.
2442. Philadelphia Quaker. (Wash drawing.)
Sterner, Albert E., Paris.
2443. Champigny. (Pen drawing.)
2444. My Cousin Fanny. (Pencil, with pen and ink remark.)
2445. Where is That Idiot, That Dolt, That Sluggard, That Snail, with My Mail? (Wash drawing.)
2446. Walking Away With a Shrug of the Shoulders. (Wash drawing.)
2447. I Wept, I Wept, I Wept. (Black and white.)
2448. Passionnement was What I Wanted. The above six drawings were lent by the Century Co., New York.
2449. No Pertinacity. (Pen drawing.)
2450. The Rivals. (Wash drawing.)
The above two drawings were lent by Harper & Bros., New York.
- Taber, W., New York.**
2451. A Rescue. (Wash drawing.)
2452. The Hanging of Stuart by the First Vigilance Committee. (Pen drawing.)
2453. Mission Dolores, Sunday Afternoon. (Pioneer California.) (Pen drawing.)
The above three drawings were lent by the Century Co., New York.
- Taylor, Charles J., New York.**
2454. The Ingle Nook. (Pen drawing.)
Lent by W. C. Gibson, Port Chester, N. Y.
2455. Quarrel in the Tavern. (Black and white.) Lent by A. Schwarzmann.
2456. The Poet at the Breakfast Table. (Pen drawing.)
2457. Two Girls. (Pen drawing.)
2458. A Question of Wines. (Pen drawing.)
2459. At the Luncheon. (Pen drawing.)
2460. Gossip. (Pen drawing.)
2461. Hiring a Butler. (Pen drawing.)
- Taylor, W. L.**
2462. On the Beach. (Wash drawing.)
Lent by Charles Scribner's Sons, New York.
- Thompson, Ernest E.**
2463. At Midday. The Last of the Buffaloes. (Wash drawing.)
Lent by Charles Scribner's Sons, New York.
- Thulstrup, T. de, New York.**
2464. Joseph Choate. (Wash drawing.)
2465. Columbian Exposition, Workers in Staff. (Black and white.)
2466. Belated Passenger. (Black and white.)
2467. An Evening at the Horse Show (Black and white.)
2468. Admiral Walker. (Black and white.)
The above five drawings were lent by Harper & Bros., New York.
2469. The Three Hussars. (Black and white.)
Lent by Charles Scribner's Sons, New York.
2470. The Dinner Table in a Norwegian Farmhouse. (Black and white.)
2471. A Moujik's Funeral. (Black and white.)
2472. Norwegian Fisher Family. (Black and white.)
2473. At the Traktier's. (Black and white.)
2474. Kroll's Garden, Berlin. (Black and white.)
2475. Military Road in the Caucasus. (Black and white.)
2476. Circassians of the Imperial Guard. (Black and white.)
2477. Georgian Princes. (Black and white.)
2478. The Yachting Party. (Black and white.)
2479. Persian Bazar at Nijni Novgorod. (Black and white.)
2480. Horse Artillery Going into Action. (Black and white.)
2481. Crossing the Channel. (Black and white, oil.)
- Tyler, Bayard H., New York.**
2482. Group of Trees. (Charcoal.)
2483. Indian Head, Palisades. (Charcoal.)
- Van Schaick, S. W.**
2484. Sketch No. 1, for "Life." (Black and white.)
2485. Sketch No. 2, for "Life." (Black and white.)
2486. Sketch No. 3, for "Life." (Black and white.)
2487. Sketch No. 4, for "Life." (Black and white.)
2488. Sketch No. 5, for "Life." (Black and white.)
2489. Sketch No. 6, for "Life." (Black and white.)
- Wenzell, A. B., New York.**
2490. Won't You take Me to My Aunty? (Black and white.)
2491. She Came Downstairs in a Great Fur-trimmed Robe. (Black and white.)
The above two drawings were lent by the Century Co., New York.
2492. The Diamonds. (Black and white.)
Lent by Harper & Bros., New York
2493. Sketch No. 1, for "Life." (Black and white.)
2494. Sketch No. 2, for "Life." (Black and white.)
2495. Sketch No. 3, for "Life." (Black and white.)
2496. Sketch No. 4, for "Life." (Black and white.)
2497. Sketch No. 5, for "Life." (Black and white.)
2498. Sketch No. 6, for "Life." (Black and white.)
2499. Sketch No. 7, for "Life." (Black and white, oil.)

DEPARTMENT K.—FINE ARTS.

2500. Sketch No. 8, for "Life." (Black and white.)
2501. Sketch No. 9, for "Life." (Black and white.)
2502. Sketch No. 10, for "Life." (Black and white.)
2503. Sketch No. 11, for "Life." (Black and white.)
2504. Sketch No. 12, for "Life." (Black and white.)
- The above twelve sketches were lent by Mitchell & Miller, New York.
- Wickenden, Robert J., New York.**
2505. Study of Oaks.
- Wiles, Irving R., New York.**
2506. Ignace Jan Paderewski. (Charcoal.)
2507. I ain't Religious; I Drink. (Wash drawing.)
2508. In the Dining Room, Y. W. C. A. (Wash drawing.)
2509. Photo Negative Retouching, Y. W. C. A. (Wash drawing.)
2510. The Salesroom, Y. W. C. A. (Wash drawing.)
2511. Cohanim Blessing the People. (Wash drawing.)
2512. A Jewish Wedding. (Wash drawing.)
2513. Confirmation, Temple Emanu-El. (Wash drawing.)
2514. The Choir. (Wash drawing.)
2515. Class in Phonography. (Wash drawing.)
2516. Rock of Ages. (Black and white, oil.)
- The above eleven drawings were lent by the Century Co., New York.
- GROUP 146.**
- LOAN COLLECTION.**
- Foreign Works From Private Galleries in the United States.**
- Alma-Tadema, Lawrence, London.**
2868. A Reading from Homer.
Lent by Mr. Henry G. Marquand, New York.
- Bastien-Lepage, Jules, 1848-1885, France.**
2869. The Thames.
Lent by Mr. John G. Johnson, Philadelphia.
2870. Revery.
Lent by Mr. Potter Palmer, Chicago.
- Besnard, Paul-Albert, Paris.**
2871. Head.
Lent by Mr. Potter Palmer, Chicago.
- Bonheur, Mlle. Rosa, Paris.**
2872. Sheep.
Lent by Gen. Russell A. Alger, Detroit.
2873. Pastoral.
Lent from the collection of the late Mr. Jay Gould, New York.
- Bonington, Richard P., 1801-1828, England.**
2874. Landscape
Lent by Mr. R. Hall McCormick, Chicago.
- Breton, Jules-Adolphe, Paris.**
2875. The Song of the Lark.
Lent by Mrs. Henry Field, Chicago.
2876. Colza-gatherers.
Lent by Mr. Collis P. Huntington, New York.
- Carolus-Duran, Paris.**
2877. An Odalisque.
Lent by Mr. William Buchanan, New York.
2878. Portrait of Madam Modjeska.
Lent by the Pennsylvania Academy of the Fine Arts, Philadelphia.
- Cazin, Jean-Charles, Paris.**
2879. The Expulsion from Paradise.
Lent by Mr. Potter Palmer, Chicago.
2880. Elsinore.
Lent by Mr. Potter Palmer, Chicago.
2881. Flight into Egypt.
Lent by Mr. Potter Palmer, Chicago.
2882. Midnight Moonlight, Abbeville, France.
Lent by Charles T. Yerkes, Chicago.
- Constable, John, 1776-1837, England.**
2883. Weymouth Bay.
Lent by Mr. William H. Fuller, New York.
2884. The Lock. (Lent by Mrs. Henry Field, Chicago.)
2885. Shepherd and Flock—Dedham Church in the distance.
Lent by R. Hall McCormick, Chicago.
- Corot, Jean-Baptiste-Camille, 1796-1875, France.**
2886. The Flight from Sodom.
Lent by Mr. Henry O. Havemeyer, New York.
2887. Orpheus.
Lent by Mr. Potter Palmer, Chicago.
2888. Shrimp-fisher.
Lent by Mr. Potter Palmer, Chicago.
2889. Landscape.
Lent by Mr. Potter Palmer, Chicago.
2890. Dance of the Nymphs.
Lent by Mr. William H. Crocker, San Francisco.
2891. Evening.
Lent from the collection of the late Mr. Jay Gould, New York.
2892. The Path to the Village.
Lent by Mr. Charles T. Yerkes, Chicago.
2893. Environs of Ville d'Avray, France.
Lent by Mr. Charles T. Yerkes, Chicago.
2894. Landscape.
Lent by Mr. Gardiner G. Hubbard, Washington, D. C.
2895. Old Man Seated on Corot's Trunk in the Artist's Chamber in Rome.
Lent by Dr. Henry C. Angell, Boston.

UNITED STATES.

2896. Evening.
Lent by Mr. Alfred Corning Clark, New York.
2897. The Inn.
Lent by Mr. Martin A. Ryerson, Chicago.
2898. Courbet Gustave, 1819-1877, France.
Dogs and Hare.
Lent by Henry O. Havemeyer, New York.
2899. Couture, Thomas, 1815-1879, France.
Portrait of Madame Couture.
Lent by the Museum of Fine Arts, Boston.
2900. Dagnan-Bouveret, Adolphe-Pascal-Jean, Paris.
La Bernoise.
Lent by Mr. John G. Johnson, Philadelphia.
2901. Brittany Peasant Girl.
Lent by Mr. J. H. Wade, Cleveland.
2902. Daubigny, Charles-Francois, 1817-1878, France.
The Cooper's Shop.
Lent by Mr. Francis Bartlett, Boston.
2903. Banks of the Oise, Auvers-Sur-Oise, France.
Lent by Mr. Charles T. Yerkes, Chicago.
2904. Coast near Dieppe.
Lent by Mr. Alfred Corning Clark, New York.
2905. Decamps, Alexandre-Gabriel, 1803-1860, France.
Oriental Kiosk.
Lent by Mr. Martin A. Ryerson, Chicago.
2906. Degas, Paris.
The Dancing Lesson.
Lent by Mr. Alexander J. Cassatt, Philadelphia.
2907. Race Horses.
Lent by Mr. Albert Spencer, New York.
2908. Delacroix, Ferdinand-Victor-Eugène, 1798-1863, France.
Christ at the Tomb.
Lent by Mr. Alfred Corning Clark, New York.
2909. Tiger Quenching his Thirst.
Lent by Mr. Alfred Corning Clark, New York.
2910. Turks Abducting a Girl.
Lent by Mr. William H. Crocker, San Francisco.
2911. Detaille, Edouard, Paris.
Flag of Truce.
Lent by Mr. E. Burgess Warren, Philadelphia.
2912. Diaz de la Peña, Narcisse-Virgile 1808-1876, France.
La Danse des Almées.
Lent by Mr. John G. Johnson, Philadelphia.
2913. The Descent of the Bohemians.
Lent by Mrs. S. D. Warren, Boston.
2914. Turkish Women.
Lent by Mr. D. M. Ferry, Detroit.
2915. Dupre, Jules, 1812-1889, France.
The Pool.
Lent by Mr. E. Burgess Warren, Philadelphia.
2916. The Open Sea.
Lent by Mr. William H. Fuller, New York.
2917. At Sea.
Lent by Mr. Charles T. Yerkes, Chicago.
2918. Fantin-Latour, Henri, Paris.
Vision of Tannhäuser.
Lent by Mr. J. H. Wade, Cleveland.
2919. Fortuny, Mariano, 1838-1874, Spain.
Beach at Portici, Italy.
Lent by Mrs. Prescott Hall Butler, New York.
2920. Francois, Francois-Louis, Paris.
Sun Breaking Through the Mist.
Lent by Mr. William Buchanan, New York.
2921. Fromentin, Eugène, 1820-1876, France.
The Falconer.
Lent by Mr. D. W. Powers, Rochester.
2922. Women of Sahara.
Lent by Mrs. Henry Field, Chicago.
2923. Gericault, J. L. A. Theodore, 1791-1824, France.
Study of a Cuirassier.
Lent by the Museum of Fine Arts, Boston.
2924. Gerome, Jean-Leon, Paris.
L'Eminence Grise.
Lent by Mrs. S. D. Warren, Boston.
2925. Le Montreur de Serpents.
Lent by Mr. Alfred Corning Clark, New York.
2926. Greuze, Jean-Baptiste, 1725-1805, France.
The Pouting Child.
Lent by Mr. Martin A. Ryerson, Chicago.
2927. Helleu, Paris.
Interior of Saint Denis Cathedral, showing effect of light through Stained Glass Windows.
Lent by Mrs. John L. Gardner, Boston.
2928. Ingres, Jean-Auguste-Dominique, 1780-1867, France.
The Cardinal Bibbiena Introducing Raphael and his Niece.
Lent by Mrs. S. D. Warren, Boston.
2929. Isabey, Eugène, 1804-1886, France.
A Fête at the Hotel de Rambouillet.
Lent by Mr. Samuel M. Nickerson, Chicago.
2930. Israels, Josef, Amsterdam.
A Frugal Meal.
Lent by Mr. Charles T. Yerkes, Chicago.
2931. Knaus, Ludwig, Berlin.
A Country Festival.
Lent by Mr. Charles T. Yerkes, Chicago.
2932. The Potato Harvest.
Lent by Mrs. Henry Field, Chicago.

DEPARTMENT K.—FINE ARTS.

2933. **Lefebvre, Jules-Joseph, Paris.**
La Cigale.
Lent by the St. Louis Museum of Fine Arts.
- Leys, Hendrik, Baron, 1815-1896, Belgium.**
2934. The Book Stall.
Lent by Mr. Charles T. Yerkes, Chicago.
- Lhermitte, Léon-Auguste, Paris.**
2935. Washerwomen on the Banks of the Marne.
Lent by Mr. E. Burgess Warren, Philadelphia.
- Manet, Edouard, 1833-1883, France.**
2936. Marine.
Lent by Mr. Frank Thomson, Philadelphia.
2937. Dead Toreador.
Lent by Mr. James S. Inglis, New York.
2938. Marine.
Lent by Mr. Alexander J. Cassatt, Philadelphia.
- Maris, Jacques, The Hague.**
2939. Canal in Holland.
Lent by Mr. John G. Johnson, Philadelphia.
- Mauve, Antonin, 1838-1888, Holland.**
2940. The Flock.
Lent by Mr. Joseph Jefferson, New York.
- Meissonier, Jean-Louis-Ernest, 1813-1891, France.**
2941. View near Poissy.
Lent by Mr. John G. Johnson, Philadelphia.
2942. Reconnaissance.
Lent by Mr. Charles T. Yerkes, Chicago.
- Michel, Georges, 1733-1843, France.**
2943. The Horseman.
Lent by Mr. William H. Fuller, New York.
2944. Plain of Montmartre, Paris.
Lent by Mr. William H. Fuller, New York.
- Michetti, Francesco Paolo, Naples.**
2945. Springtime and Love.
Lent by Mr. Albert A. Munger, Chicago.
- Millet, Jean Francois, 1814-1875, France.**
2946. The Sheep Shearers.
Lent by Mr. Peter C. Brooks, Boston.
2947. After the Bath.
Lent by Mr. Alfred Corning Clark, New York.
2948. The Gleaners.
Lent by Mr. Alfred Corning Clark, New York.
2949. The Haymaker.
Lent by Mrs. Alfred Corning Clark, New York.
2950. The Pig Killers.
Lent by Mr. Charles T. Yerkes, Chicago.
2951. The Man with the Hoe.
Lent by Mr. William H. Crocker, San Francisco.
2952. Shepherdess.
Lent by the Museum of Fine Arts, Boston.
2953. Peasants Carrying a New-born Calf.
Lent by Mrs. Henry Field, Chicago.
- Monet, Claude, Paris.**
2954. Morning Fog.
Lent by Mr. Albert Spencer, New York.
2955. Dawn on the Coast of the North Sea.
Lent by Mr. Albert Spencer, New York.
2956. Harbor of Havre.
Lent by Mr. Frank Thomson, Philadelphia.
2957. Snow Scene.
Lent by Mr. Alexander J. Cassatt, Philadelphia.
- Monticelli, Adolphe, 1824-1886, France.**
2958. Nymphs Bathing.
Lent by Dr. Henry C. Angell, Boston.
- Morland, George, 1763-1804, England.**
2959. Contentment.
Lent by Mr. R. Hall McCormick, Chicago.
- Neuville, Alphonse-Marie de, 1836-1887, France.**
2960. The Spy.
Lent by Collis P. Huntington, New York.
- Pissaro, Camille, Paris.**
2961. The Village.
Lent by Mr. Potter Palmer, Chicago.
2962. Summer.
Lent by Mr. Frank Thomson, Philadelphia.
2963. Spring.
Lent by Mr. Alexander J. Cassatt, Philadelphia.
- Puvis de Chavannes, Pierre, Paris.**
2964. Summer.
Lent by Mr. J. H. Wade, Cleveland.
2965. Autumn.
Lent by Mr. Martin A. Ryerson, Chicago.
- Raffaelli, Jean-Francois, Paris.**
2966. Absinthe Drinkers.
Lent by Mr. Potter Palmer, Chicago.
2967. On the Coast.
Lent by Mr. Potter Palmer, Chicago.
2968. Place de la Trinite, Paris.
Lent by Mr. Potter Palmer, Chicago.
- Regnault, Henri, 1848-1871, France.**
2969. In the Pyrenees.
Lent by Mr. John G. Johnson, Philadelphia.
- Renoir, A., Paris.**
2970. In the Garden.
Lent by Mr. Albert Spencer, New York.
- Rousseau, Theodore, 1812-1867, France.**
2971. Landscape in Berry, France.
Lent by Mr. Charles T. Yerkes, Chicago.
2972. Near Barbizon.
Lent by Dr. Henry C. Angell, Boston.

UNITED STATES.

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|-------|---|-------|---|
| 2973. | View on the Seine.
Lent from the collection of the late Mr. Jay Gould, New York. | 2981. | Troyon, Constant, 1810-1865, France.
A Drove of Cattle and Sheep.
Lent by Mr. Cornelius Vanderbilt, New York. |
| 2974. | A Lone Tree—Autumn.
Lent by Mr. Frank Hill Smith, New York.
Sisley, Alfred, Paris. | 2982. | White Cow and Sheep.
Lent by Mr. Julius Stroh, Detroit. |
| 2975. | Village Street, Moret, France.
Lent by Mr. Potter Palmer, Chicago.
Swan, John M., London. | 2983. | Going Home. (Lent by Mrs. Henry Field, Chicago.) |
| 2976. | The Approaching Combat.
Lent by Mr. John G. Johnson, Philadelphia. | 2984. | The Surf.
Lent by Mr. Gari Melchers. |
| 2977. | Two Tigers.
Lent by Mr. John G. Johnson, Philadelphia. | 2985. | Uhde, Fritz von, Munich.
A Sewing Bee in Holland.
Lent by Mr. L. Crist Delmonico, New York. |
| 2978. | Lioness and Cubs.
Lent by Mr. William L. Elkins, Philadelphia.
Tassaert, Nicolas-Francois-Octave, 1800-1874, France. | 2986. | Van Beers, Jan, Brussels.
"You Are Welcome."
Lent by Mr. Charles T. Yerkes, Chicago. |
| 2979. | Saint Hilarion.
Lent by Mr. Potter Palmer, Chicago.
Thompson, Harry, Paris. | 2987. | Watts, George Frederick, London.
Portrait of Joachim—Candle-light.
Lent by Mr. Charles L. Hutchinson, Chicago. |
| 2980. | The Shepherdess.
Lent by the St. Louis Museum of Fine Arts. | 2988. | Zorn, Anders L., Stockholm.
Bottling Works.
Lent by Mr. Potter Palmer, Chicago. |
| | | 2989. | Rodin, Auguste, Paris.
Cupid and Psyche. (Marble Group.) |
| | | 2990. | The Sphinx. (Marble.) |
| | | 2991. | Andromeda. (Marble.) |



ALGERIA.

<p>GROUP 139. Sculpture.</p> <p>Vague, Joseph, Constantine.</p> <p>1. Marble Statues and Groups. 820</p>		<p>Sintes, Joseph, Alger.</p> <p>5. Five Pictures.</p>
<p>GROUP 140. Paintings in Oil.</p> <p>Carrus, Jeune A., Mustapha.</p> <p>2. Nine Pictures.</p> <p>Marzocchi, Numa, Alger.</p> <p>3. One Picture.</p> <p>Reymann, Joseph, Village d'Tsly.</p> <p>4. Three Pictures.</p>		<p>GROUP 142. Paintings on Ivory, on Enamel, on Metal, on Porcelain or other Wares; Fresco Painting on Walls.</p> <p>Vague, Joseph, Constantine.</p> <p>6. Drawings, etc.</p>
		<p>GROUP 144. Chalk, Charcoal, Pastel and other Drawings.</p> <p>Vague, Joseph, Constantine.</p> <p>7. Paintings on Faience—Panels.</p>

AUSTRIA.

<p>GROUP 139. Sculpture.</p> <p>Breneck, Anton, Vienna.</p> <p>1. Bronze relief, Richard Wagner. 821</p> <p>Charlemont, Theodor, Vienna.</p> <p>2. Boy Beggar. 822</p> <p>Jarl, Otto, Vienna.</p> <p>3. The Creeping Tiger. 822</p> <p>Kaan, Arthur, Vienna.</p> <p>4. Old Man, Terra Cotta. 820</p> <p>Myslbeck, Josef V., Prague.</p> <p>5. "Graf Franz Thun-Hohenstein." 822</p> <p>Schwarz, Stefan, Vienna.</p> <p>6. Fauns with Geese.</p> <p>7. Heracles in the Nessus Garment.</p> <p>8. Boy with Snake. 822</p> <p>9. Mozart.</p> <p>10. Tilgner, Victor, Vienna.</p> <p>Zinc bust, His Majesty the Emperor of Austria.</p> <p>11. Bronze bust, Jos. R. v. Fuehrich. 822</p> <p>Weigl, Robert, Vienna.</p> <p>12. Beethoven.</p> <p>13. Mozart.</p> <p>14. Old Vienna Waltzer.</p>		<p>Burnaud, Eugene, Veytaux-Chillon.</p> <p>28. In the High Pastures.</p> <p>Canon, Hans, Vienna.</p> <p>29. The Master of the Hounds.</p> <p>Charlemont, Hugo, Vienna.</p> <p>30. Still Life.</p> <p>31. In the Kitchen.</p> <p>Defregger, Franz von, Munich.</p> <p>32. Children Playing with a Dog.</p> <p>33. "God Bless You!"</p> <p>Deutsch, Ludwig, Paris.</p> <p>34. The Holy Gate in Cairo.</p> <p>35. The Eunuchs.</p> <p>Ditscheiner, Adolph, Munich.</p> <p>36. Spring.</p> <p>Engelhart, Josef, Vienna.</p> <p>37. The Curpark at Baden, near Vienna</p> <p>Ernst, Rudolph, Paris.</p> <p>38. Tomb of Sultan Selim.</p> <p>Fischer, Ludwige, Vienna.</p> <p>39. Himalaya Scenery.</p> <p>Friedlaender, Camilla, Vienna.</p> <p>40. Still Life.</p> <p>Gisela, Josef, Vienna.</p> <p>41. Adventures in the Lottery.</p> <p>42. What Gladdens One Saddens the Other</p> <p>43. The Seamstresses.</p> <p>44. The Visit to the Laundry.</p> <p>Gloss, Ludwig, Moedling.</p> <p>45. The Antiquarian.</p> <p>Goltz, Alexander D., Vienna.</p> <p>46. Christ and the Women.</p> <p>47. Flower Girl at Constantinople.</p> <p>Hamza, Johann, Vienna.</p> <p>48. The Dice-throwers.</p> <p>Hasch, Carl, Vienna.</p> <p>49. Old Sawmill in the Eschern Valley.</p> <p>Hirschl, Adolf, Vienna.</p> <p>50. Prometheus.</p> <p>51. Wedding Procession.</p> <p>Hoermann, Theo. v., Znaim.</p> <p>52. Girls Hunting Mushrooms.</p> <p>Hoffmann, Josef, Znaim.</p> <p>53. From Bygone Days.</p> <p>Hradecky, Vaclav, Prague.</p> <p>54. Peasants' Rebellion in Bohemia.</p> <p>Huber, Rudolph, Vienna.</p> <p>55. George Washington.</p> <p>56. Fighting Cows.</p> <p>Jettel, Eugen, Paris.</p> <p>57. Ramsau Scenery.</p>
<p>GROUP 140. Paintings in Oil.</p> <p>Angeli, Heinrich von, Vienna.</p> <p>15. Portrait of Stanley.</p> <p>16. Portrait of Architect Schmidt.</p> <p>Ameseder, Eduard, Vienna.</p> <p>17. Narenta River at Mostar.</p> <p>18. Evening.</p> <p>Bacher, Rudolf, Vienna.</p> <p>19. Mater Dolorosa.</p> <p>20. Ave Maria.</p> <p>Bernatzik, Wilhelm, Vienna.</p> <p>21. The Vision of Saint Bernard.</p> <p>Blaas, Eugen von, Venice.</p> <p>22. The Good Brother.</p> <p>Blaas, Julius von, Vienna.</p> <p>23. Horse Market in Hungary.</p> <p>Blau, Tina, Munich.</p> <p>24. Fallen Giant.</p> <p>Breidwiser, Theodor, Vienna.</p> <p>25. Short Rest.</p> <p>Brocik, Vaclav, Paris.</p> <p>26. The Historical "Fenstersturz" at Prague.</p> <p>27. The First Communion of the Hussites.</p>		

DEPARTMENT K.—FINE ARTS.

58. Shore of the Seine.
 59. Dutch Landscape.
Karger, Karl, Vienna.
 60. The Graben in Vienna.
Katzer, Anton, Vienna.
 61. The Indiscreet Friend.
Kaufmann, Isidor, Vienna.
 62. "Age is not Proof against Folly."
Knuepfer, Benes, Rome.
 63. The Eternal Siren.
 64. Triton's Fight.
Kuenel, Josef, Vienna.
 65. A Dude in the Country.
Kurzbauer, Edward, Rome.
 66. The Fortune Teller.
Lang-Laris, Hermine, Vienna.
 67. Still Life.
Lebiedzki, Eduard, Vienna.
 68. The Kiss.
Lichtenfels, Ed. v., Vienna.
 69. Gulf of Quarnero.
Makart, Hans, Vienna.
 The Five Senses.
 70. Smelling.
 71. Tasting.
 72. Sight.
 73. Feeling.
 74. Hearing.
 75. The Falconer.
Moll, Karl, Vienna.
 76. The Roman Ruins in Schoenbrunn.
Mueller, Anton, Vienna.
 The Bird's Friend.
Mueller, Leopold C., Vienna.
 78. Market Place in Cairo.
Nadler, Robert, Budapest.
 79. The Duet.
Nowak, Ernst, Vienna.
 80. Tribute to the Monastery.
Obermüllner, Adolf, Vienna.
 81. Mountain Brook Torrent.
Payer, Julius von, Salzburg.
 82. Never Retreat.
Pausinger, Franz von, Salzburg.
 83. Autumn Evening.
 84. Late Autumn.
Pettenkofen, Aug. von, Salzburg.
 85. Gipsy at the Hearth.
 86. Market.
 87. Farmhouse.
 88. Gipsy Hut in the Forest.
Probst, Carl, Salzburg.
 89. The Consultation.
Reichert, Carl, Salzburg.
 90. After the Hunt.
Ribarz, Rudolf, Salzburg.
 91. Decorations for a Dining-room.
Roehrer, Lina, Munich.
 92. At the Game Dealer's.
Ruben, Franz, Vienna.
 93. Autumn Day on the Lido.
 94. From Romantic Times.
Rumpler, Franz, Vienna.
 95. Girl From Bohemia.
Russ, Robert, Vienna.
 96. Early Spring.
Schmid, Julius, Vienna.
 97. "Let the Little Ones Come to Me."
Schmid, Mathias, Munich.
 98. The Edelweiss Plucker.
Schindler, Jac. E., Vienna.
 99. Saw-mill in Oberweissenbach.
 100. View of Ragusa.
 101. Peace.

- Schroedl, Anton, Vienna.**
 102. Flock of Sheep in Hungary.
Schwaiger, Hans, Prague.
 103. Peasant in Bohemia.
 104. Peasant Woman in Bohemia.
Seligmann, Adal, Vienna.
 105. The Holy Family.
 106. Prof. Billroth's Clinic.
Simm, Franz, Munich.
 107. Duet.
 108. Indian Summer.
Stein, Alwyn v., Vienna.
 109. Un Soldo, Signore.
Strecker, Emil, Vienna.
 110. Before the Holidays.
Tenple, Hans, Vienna.
 111. Portrait of William Unger.
Thoren, Otto v., Paris.
 112. A Wolf!
Wortheimer, Gustav, Paris.
 113. The Vision.
Wiesinger, Florian O., Vienna.
 114. Morning at the Shore.
 115. Rural Breakfast.
 116. Washerwoman in the Mountain.
Zetsche, Edward, Vienna.
 117. View in Weissenkirchen.
Zewy, Carl, Vienna.
 118. Home Again.

GROUP 141.

Paintings in Water Colors.

- Alt, Rudolph, Vienna.**
 119. Fountain at Trient.
 120. Interior of Saint Mark's, at Venice.
 121. Belvedere at Prague.
 122. The Old Ducal Castle at Bruck a-M.
 123. Interior of the Presbytery of the Saint Stephen Church at Vienna.
 124. Portico in the Wallenstein palace at Prague.
 125. Belvedere at Vienna.
 126. Castle Taufers in Tyrol.
 127. Church at Innsbruck.
Fischer, Ludwig E., Vienna.
 128. The Chunsun Temple at Karnak.
 129. The Grand Temple at Karnak.
 130. The Bay of Cattaro.
Hoffmann, Josef, Znaim.
 131. Payerbach.
Muench-Bellinghausen, Constanze, Pola.
 132. Chestnut Blossoms.
 133. Roses.
Tomec, Heinrich, Vienna.
 134. Salzkammergut.
 135. Church at St. Wolfgang.
Zetsche, Eduard, Vienna.
 136. Town-gate at Sulzfeld a-M.
 137. Tower at Sulzfeld a-M.

GROUP 142.

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

- Jasper, Victor, Vienna.**
 138. The Holy Trinity (after Duerer).
Michelek, Ludwig, Vienna.
 139. Josef Haydn.
 140. Ludwig von Beethoven.
 141. Portrait of His Majesty the Emperor of Austria.

BELGIUM.

GROUP 139.

Sculpture.

- Braecke, Pierre, Brussels.**
 1. Deserted. (Statuette, bronze.)
Charlier, Guillaume, Brussels.
 2. Girl. (Bust, marble.)
 3. Lina. (Bust, marble.)
 4. Turkey. (Bronze.)
DeKeyser, Jean Baptiste, Brussels.
 5. St. Cecilia, Singing. (Marble bust.)
De Mathelin, Maurice, Liège.
 6. Woman Collier. (Bronze statuette.)
 (Cire perdue.)
Des Enfants, Albert, Brussels.
 7. After the Walk. (Statuette, marble.)
 8. Manon Lescaut. (Bust, marble.)
 9. La Nique. (Statuette, bronze.)
De Tombay, Alphonse, Brussels.
 10. Knight of the Middle Ages. (Bronze.)
 11. Goose Girl. (Bronze.)
 12. Neapolitan Improvisator. (Bronze.)
De Vigne, Paul, Brussels.
 13. Poverella. (Statue, marble.)
 14. Domenica. (Statue, bronze.)
 15. Amertume. (Bust, marble.)
 16. Pysche. (Bust, marble.)
 17. Roman Woman. (Bust, bronze.)
Hambresin, Albert, Brussels.
 18. An Edict, 15th century. (Statuette, bronze.)
 19. Curfew, 15th century. (Statuette, bronze.)
 20. Crossbowman, 15th century. (Statuette, bronze.)
 21. A Proclamation. 15th century. (Statuette, bronze.)
Herain, Jean, Brussels.
 22. A Captive. (Marble.)
 23. Going to the Fields. (Bronze.)
Joris, Francois, Antwerp.
 24. The Ship's Boy. (Marble bust.)
 25. The Chéries. (Marble.)
 26. Fantasy. (Bronze, bust.)
Le Roy, Hipp. Ghent and Rome.
 27. Course Folatre. (Bronze.)
 28. Child Life. (Marble.)
 29. Quand la bise fut venue. (Bronze, Cire perdue.)
 30. Polar Bear. (Bronze.)
Martens, Jean Baptiste, Paris.
 31. Girl and Turtle Doves. (Marble.)
 32. A Spinner. (Bust with arms, marble.)
Samuel, Charles, Brussels.
 33. Primavera. (Bust, bronze.)
 34. Prelude. (Statuette, bronze.)
Van Beurden, Alphonse, Antwerp.
 35. Forced Bath. (Group. Bronze, Cire perdue.)
 36. Quinten Matsys. (Bust, marble.)
 37. Young Singer. (Bust, marble.)
Van der Straeten, Georges, Paris.
 38. Portrait of Monsieur Worth. (Bust, marble.)
 39. Spring. (Bronze.) } Belong to Mr. C.
 40. Winter. (Bronze.) } T. Yerkes of
 41. Idyl. (Bronze.) } Chicago.

Weyns, Jules, Antwerp.

42. Sweet Slumber. (Statue, marble.)
 43. The Bird Catcher. (Bust, marble.)
Willems, Joseph, Malines.
 44. A Child. (Bronze bust.)
 45. L'Épervier. (Group, bronze.)
 46. Clown. (Statuette, bronze.)

GROUP 140.

Paintings in Oil.

- Abry, Leon, Antwerp.**
 47. The Sparrow of Lesbia.
Anten, Djef, Hasselt.
 48. December Morning.
Arden, Henry, Brussels.
 49. After the Storm. Marine.
Asselbergs, Alphonse, Uccle near Brussels.
 50. Toward Evening on a Fine Winter Day in Campine (Belgium.)
 51. A Ravine in Winter (Ardennes Mountains).
Baron, Theodore, Namur.
 52. Autumn Leaves (Afternoon).
 53. Autumn Day in the Ardennes.
Bayart, Paul, Brussels.
 54. In Holland.
Beernaert, Euphrosine, Brussels.
 55. Entrance of the Convent.
 56. Autumn Evening. (Woman's Building.)
Bellis, Hubert, Brussels.
 57. Strawberries.
 58. Game.
Binje, Franz, Brussels.
 59. Rocks of the Fond d'Arguet, Namur.
Boudry, Alois, Antwerp.
 60. In Sunday Attire.
 61. Interior (Afternoon).
Bource, Heuri, Antwerp.
 62. The Cherries.
Bourotte, Auguste, Brussels.
 63. Pyramus and Thisbe.
 64. In the Fields.
Bouvier, A., Brussels.
 65. Marine.
Broereman, Eugène, Brussels.
 66. In the Bruyère.
 67. Oliva.
Brunin, Leon, Antwerp.
 68. A Visit to the Studio of Benvenuto Cellini.
 69. Declaration of Love.
Cap, Constant, Antwerp.
 70. Jeu de la Comète. Old Salon, Louis XV, of the Kums Museum, Antwerp.
Carabain, Jacques, Brussels.
 71. La Piazza Guilio Cesare, at Rimini, Italy.
 72. View of Cogoleto on the Mediterranean, said to be the birthplace of Columbus.
Carpentier, Evariste, La Hulpe.
 73. Summer Sun.
 74. Convalescence.

DEPARTMENT K.—FINE ARTS.

- Claus, Emile, Astene.**
 75. Cock Fight in Flanders.
Coenraets, Charles, Brussels.
 76. Woodturners' Shop (Brussels type).
 77. Interior at Audergem, near Brussels.
Cogen, Felix, Brussels.
 78. The Shipwrecked Holland Coast.
Collart, Mme. Marie.
 79. The Springs of Schavues.
 80. A Farm. (Woman's Building.)
Coosemans, Joseph-Theodore, Brussels.
 81. Wooded Path in the Campine.
Courtens, Franz, Brussels.
 82. The Departure of the Herd.
 83. Road Through the Dunes.
Crabeels, Flor, Antwerp.
 84. Flemish Kermesse.
 85. The Return to the Farm.
Dael, Auguste, Ghent.
 86. Jealousy.
 87. While the Husband is Away.
D'Anethan, Alix, Paris.
 88. The Holy Women. (Woman's Building.)
De Bats, Auguste Marie, Bornhem.
 89. In Zeeland.
De Beul, Jean-Henri, Brussels.
 90. Herder Assembling his Flock.
De Beul, Franz, Brussels.
 91. Return to the Stable, in the Campine.
De Bièvre, Marie, Brussels.
 92. Peaches.
 93. Accessories (the Porcelains). (Woman's building.)
De Bourtzoff, Nathalie, Brussels.
 94. Hors de Combat.
De Bourtzoff, Sophie, Brussels.
 95. The Orphan.
De Bruyn, Frans, Antwerp.
 96. The Wait (Toward Evening).
De Hem, Louise, Ypres.
 97. The Sexton. (Belongs to the Museum of Ypres.)
 98. Return of a Procession in Flanders. (Woman's Building.)
De Heuvel, Theodore-Bernard, Brussels.
 99. A Schoolmaster.
De Keghel, Desire, Ghent.
 100. Flowers and Accessories of Music.
 101. Souvenir of Prince Baudouin of Belgium.
De Keyser, Nicaise (deceased).
 102. The Holy Week in Seville.
Dell'Acqua, Cesare, Brussels.
 103. State Prisoner in the Fortress of Grasca.
De Naeyer, Charles, Brussels.
 104. Still Life.
 105. Still Life. (Cheeses.)
Den Duyts, Gustave, Brussels.
 106. Church of Wondelgheim. Winter Scene.
 107. Portrait of M. E. D. V.
De Rickx, Louis, Antwerp.
 108. The Storm.
 109. The Harvest.
De Schampheleer, Edmond, Brussels.
 110. Autumn Morning. Genck, Limbourg.
 111. Holland Prairies.
De Smeth, Henri, Borgerhout.
 112. The Smoker.
De Vigne, Emma, Ghent.
 113. Flowers.
De Vriendt, Albrecht, Antwerp.
 114. Charles VI and Odette.
De Vriendt, Juliaan, Brussels.
 115. Souvenir of Cairo.
Dielman, Marguerite, Brussels.
 116. Fruit.
Dierickx, Omer, Brussels.
 117. Reunion of Friends.
 118. Dreary Waking.
Dillens, Albrecht, Brussels.
 119. Shrimp Gatherers.
Farasyn, Edgar, Antwerp.
 120. Embarkment of Emigrants at Antwerp
 121. L'Ecole Buissonnière.
Fichefet, Georges-Francois-Paul, Brussels.
 122. Bather.
Fischer, Alice, Brussels.
 123. Glaieuls.
Frank, Lucien, Tervueren.
 124. October.
Gailliard, Francois, Brussels.
 125. La Porte de Hal in Brussels.
Gerard, Theodore, Brussels.
 126. Bad Reception.
Gevers, Helène, Antwerp.
 127. Arab Merchant.
 128. A Future Poet.
Godding, Emile, Antwerp.
 129. One Florin Five Cents, Four Deniers.
Goemans, Gustave-Hubert, Ghent.
 130. Summer.
 131. Sunshine on the Avenue.
Guffens, Godfroid, Brussels.
 132. Girl, Dressing.
 133. Girl, Dressing.
Guiette, Jules, Antwerp.
 134. Evening.
Halle, Oscar, Antwerp.
 135. The Last Day of Autumn.
 136. Reading of the Bible at the Old Men's Hospice.
Hagemans, Maurice, Brussels.
 137. Snow in the Forest of Soigne.
Heger, Louise, Brussels.
 138. Banks of the Ourthe River.
Herbo, Leon, Brussels.
 139. Souvenir of Italy.
Hoeterickx, Emile, Brussels.
 140. Arrival of the Mailboat at Dover.
Hoorickx, H. G. Ernest, Brussels.
 141. Winter Twilight.
Horenbant, Joseph, Ghent.
 142. Young Woman.
Huysmans, Jean Baptiste, Hove.
 143. Visit of the Merchant (Algeria).
Jacobs, Adolphe, Brussels.
 144. Stable at Boitsfort.
Jacobs, Louis, Brussels.
 145. The Scheldt with Floating Ice.
 146. Evening on the Lower Scheldt.
Kégeljan, Franz, Brussels.
 147. Flemish Farm.
 148. Shores of the Lake of Neuchatel.
Kokken, Henry, Antwerp.
 149. A Hazard.
 150. Gallantry.
Lamorinière, Francois, Antwerp.
 151. Avenue of Oaks, near Antwerp.
 152. Snow Effect, near Antwerp.

BELGIUM.

153. **Laumans, Fanny, Brussels.**
While Awaiting the Artist. (Woman's Building.)
154. **Leempoels, Jef., Brussels.**
The Amateurs.
155. **Lefebvre, Charles, Brussels.**
A Vocation in Suspense.
156. **Arab Encampment in Morocco.**
Le Mayeur, Adrien, Boitsfort.
The Storm.
157. **Setting Sun at Sea.**
158. **Le Roy, Hipp., Ghent and Rome.**
Dream of Happiness.
160. **Winter in a Flemish Town.**
Loomans, Romain, Antwerp.
Flemish Farmyard.
161. **Lybaert, Theophile, Ghent.**
The Mother of Sorrows.
162. **Melancholy.**
163. **Maeterlinck, Louis, Ghent.**
Peace.
164. **Mayne, Jean, Brussels.**
On the Coast.
165. **Les Va-nu-pieds.**
166. **Meunier, Georgette.**
The Mandolin.
167. **Souvenirs of a Bride. (Woman's Building.)**
168. **Meyers, Isidore, Brussels.**
Briele Poort, Ypres.
169. **Banks of the Scheldt, November.**
170. **Michel, Gustave, Ghent.**
The Novice.
171. **Montigny, Jules Leon, Tervuer**
The Return of the Flock, October.en.
172. **Musin, Auguste, Brussels.**
173. **Entrepot Royal and Bassin du Commerce at Brussels.**
174. **Ostend Fishermen Caught by a Squall in the North Sea.**
Namur, Francois, Liege.
175. **Pauvrettes.**
176. **Nys, Carl, Antwerp.**
Chess Players.
177. **Ooms, Karel, Antwerp.**
Cupid in Chase. (Hors concours.)
178. **Petit, Corneille, Brussels.**
Happy Grandmother.
179. **Plasky, Eugene J. B., Anderghem.**
Chestnut Alley in Overysse.(Brabant)
180. **Plumot, Andre, Antwerp.**
The Dangerous Bridge.
181. **Leaving the Stable.**
Portaels, Jean, Brussels.
182. **Moroccan Group.**
Proost, Frans, Antwerp.
183. **In First Class.**
Quitton, Edouard, Antwerp.
184. **Still Life.**
Ransy, Putzeys, Felicie, Liege.
185. **Immortelles.**
186. **Primroses and Oranges. (Woman's Building.)**
Richir, Herman, Brussels.
Fantasy.
187. **Robie, Jean, Brussels.**
Bunch of Roses.
188. **Ronner, Alice, Brussels.**
The Heron.
189. **Rosier, Jean Guillaume, Antwerp.**
Portrait of Mme. R.
190. **At My Friend Dupon's.**
192. **Rosseels, Jacques, Termonde.**
In the Campine (Morning).
193. **After the Rain (Campine).**
Rosymann, Augusta, Ghent and Paris.
194. **Portrait of Mlle. D.**
Rul, Henry, Antwerp.
Winter Evening.
195. **Rullens, Jules, Brussels.**
The Study.
196. **Seghers, Franz, Brussels.**
Lilium Harrisii.
197. **Simons, J. Frans, Antwerp.**
Amour et Patrie.
198. **Slingeneyer, Ernest, Brussels.**
Last Days of Pompeii.
199. **Episode of an Inundation, Dordrecht.**
200. **Stroobant, Francois, Brussels.**
The Old Canal of the Rosary in Bruges.
201. **The Pont Saint Jean and the Belfry in Bruges.**
Toefaert, Albert, Ghent.
202. **Environs of Ghent (End of October).**
203. **The Ghent Butchers. Old Flemish Team.**
Triest-VanMulders, Camille, Brussels.
204. **Carnations.**
205. **Geraniums. (Woman's Building.)**
Tschaggery, Charles, Brussels.
206. **Laborer in Repose.**
207. **Horse Fair at Tongres, Belgium.**
208. **Tytgadt, Louis, Ghent.**
The Embroidery Lesson at the Beguinage, Ghent.
209. **Valckenaere, Leon, Brussels.**
210. **The Port of Bergen-op-Zoom.**
Vanaise, Gustave, Brussels.
211. **Portrait of the Congo explorer, Jérôme Becker, of Antwerp.**
212. **Melancholy.**
Van Beers, Jean, Paris.
213. **A panel comprising:**
1. Mrs. Brown Potter as the Lady of Lyons.
2. Miss Ada Rehan, as Lady Teazle.
3. Portrait of Henri Rochefort.
4. Careless.
5. Portrait.
6. Portrait.
7. Flirtation.
8. "Reviens."
214. **Summer Evening.**
Van Caillie, Florimond, Antwerp.
215. **Prairie in Flanders.**
216. **Snow Effect (Knocke, Belgium).**
Van Damme, Frans, Brussels.
217. **In the Allée Verte, Brussels.**
Van Damme-Sylva, Emile, Brussels.
218. **Nightfall.**
Van den Bos, Georges, Paris and Ghent.
219. **Etude en Plein Air.**
220. **Gage of Love.**
Van den Eycken, Charles, Brussels.
221. **Who is There?**
Van der Hecht, Henri, Brussels.
222. **Across Brussels.**
Van der Meulen, Edmond, Brussels.
223. **Astonishment.**
224. **Hunting in the Marsh.**
Van der Ouderaa, Pierre-Jean, Antwerp.
225. **The Galleries of the "Juwelpand" (Convent of the Jewels) during the**

DEPARTMENT K.—FINE ARTS.

- Free Fair of Antwerp. First half of sixteenth century.
Van Geert, Flora, Antwerp.
226. Chrysanthemums.
 227. Mimosas.
Van Hove, Edmond, Bruges.
 228. The Virgin and the Infant Jesus.
Van Kuyck, Frans, Antwerp.
 229. The Potato Gathering.
Van Leemputten, Corneille, Brussels.
 230. The Return of the Herd.
 231. End of Autumn in the Campine.
Van Leemputten, Frans, Antwerp.
 232. The Return.
Van Luppen, Frans, Brussels
 233. Fog in the Woods. (End of November.
Van Luppen, Prosper, Antwerp.)
 234. A Last Effort.
 235. Un Amateur d'Antiquites.
Van Overbeke, Edouard, Brussels.
 236. Autumn.
Van Seben, Henri, Brussels.
 237. Should it be He!
 238. Village in Holland (Winter).
Van Severdonck, Joseph, Brussels.
 239. Le Coup de Collier.
Van Snick, Josef, Nieukerken.
 240. L'Hospice.
 241. Laceworkers.
Verhaert, Pierre Joseph, Antwerp.
 242. The Will of Christopher Columbus.
 (According to Lamartine.)
Verhas, Jan, Brussels.
 243. The Martyrs of the Beach.
 244. The Walk on the Dyke at Heyst-sur-Mer.
Verhas, Franz, Brussels.
 245. The Flowers.
 246. Holiday.
Verheyden, Isidore, Brussels.
 247. Shrimp Fishers.
Verstraete, Theodore, Antwerp.
 248. Orchard in Zeeland.
 249. The Dyke (Evening).
Wytzman, Juliette.
 250. Marguerites.
 251. Peonies.
- GROUP 141.**
- Paintings in Water Colors.**
- Bamps, Paul, Hasselt.**
 252. Boulevard in Hasselt (Snowstorm).
 253. Fishing Boats (Heyst).
Claus, Emile, Astene.
 254. Confidential Messenger.
 255. Winter Days.
Coenraets, Ferdinand, Brussels.
 256. Pond near Brussels (Morning).
 257. Quay at Antwerp.
Hagemans, Maurice, Brussels.
 258. The Turkey Girl.
Moerman, A., Brussels.
 259. The Dyle at Malines.
 260. The St. Simoniens at Malines.
Stacquet, Henry, Brussels.
 261. In Ostend Port.
262. The Dyke at Heyst.
Themon, Paul, Namur.
 263. November Morning on the Meuse.
 264. Quiet Corner.
Ûytterschaut, Victor, Brussels.
 265. Marine Boats Stranded at La Panne (Morning).
 266. Landscape at Harbespinne.
Verhas, Jan, Brussels.
 267. Summer Sun.
 268. Souvenir of Heyst-sur-Mer.
- GROUPS 143 and 144.**
- Engravings and Etchings; Prints.**
- Benoit, Clement, Mons.**
 269. Head of a Lion. (Original Etching.)
 270. Portrait of Mr. B.
Biot, Gustave, Antwerp.
 271. Aglae. (Engraving after Cabanel.)
 272. The Review of the School. (Engraving after Jan Verhas.)
Greuse, Louis, Mons.
 273. A frame containing engravings:
 1. Adam. (After Van Eyck.)
 2. Portraits of Children, after Duchatel.
 3. Saint John. (After Donatello.)
 4. Portrait of Mr. B.
 274. Four portraits. (Pencil drawings.)
Guiette, Jules, Antwerp.
 275. Etchings.
a Autumn Evening.
b Fishing Boat.
c The Road.
d Winter Sun
 276. *a* Morning.
b March.
c Meadow.
d Harvest in Ardennes.
e Moonrise.
f Evening in the Fagnes.
Heins, Ghent.
 277. Etchings.
 278. Etchings.
Lenain, Louis, Brussels.
 279. The Rape of the Daughters of Leucippus, by the Diocures. (Engraving after Rubens.)
 280. The Idyl. (Engraving after Rubens.)
Noerman, L., Brussels.
 281. Various Pen Drawings.
Van Eeckhout, Gen'l Frederic, Ghent.
 282. Ruins of the Abbey of Villers.
 283. A Cavalry Bugler.
Van der Veken, G. P., Antwerp.
 284. *a* Engraving after Rubens.
b Engraving after Van Dyck.
c Etching after Frans Hals.
d Etching after Simon De Vos.
 285. *a* Portrait of L. Gallait. (Original etching.)
b Portrait of Peter Benoit. (Original etching.)
Art, Berthe, Brussels.
 286. Pastel (Fruit).
 287. Pastel (Grapes). (Woman's Building.)

BRAZIL.

GROUP 139.

Sculpture.

Rodolpho Bernardelli.

1. Christ and the Adulteress.
2. St. Estevo.
3. Dr. Montenovese.
4. Dr. Benjamin Constant.
5. D. Pedro d'Alcantara.
6. Jose Bonifacio.

GROUP 140.

Paintings in Oil.

Agostinho da Motta.

7. Fruit of Brazil.
8. Head of an Old Man.
Almeida Jr., J. F. de, Os caipiras negaceando.
9. The Rest of the Model.
10. The Reader.
Antonio Parreiras.
11. Panorama of the City of Nictheroy.
12. Evening.
13. Landscape.
Aurelio de Figueredo.
14. Tiradentes.
Belmiro de Almeida.
15. Pique.
16. Study of a Head.
Caron H. Boaventura.
17. Landscape.
Castagneto, J., Baptista.
18. St. Luria Beach, Rio de Janeiro.
19. Marine.
Facchinetti, Nicolau.
20. Panorama of Nictheroy.
21. Lake of Rodrigues de Freitas.
Firmino Monteiro.
22. Landscape.
23. Funeral of Camorim.
Fiuzu Guimaraes, Jose.
24. Landscape.
25. Landscape.
26. Landscape.
27. Landscape.
28. Landscape.
29. Landscape.
30. Landscape.
31. Landscape.
Henrique Bernardelli.
32. Bandeirantes.
33. Tarantella.
34. Return of the Work.
35. Mater (Mother).
36. Portrait of Gen. Deodoro.
37. Portrait.
38. Uncle Thomas.
39. Study of a Head.
40. Wood Cutter.
41. Landscape.
42. Empire.
43. Indian.
J. Baptista da Costa
44. In the Orchard.
45. Marguerites.
46. Capadocio.
47. Landscape.
48. Dwelling.
49. Cabbages.

J. Zeferino da Costa.

50. The Cake of the Widow.
51. Charity.
M. Brocos.
52. Manioc.
53. View of St. Thezeza's Hill.
54. Cascade.
55. Orphan.
56. Bewitcher.
57. Coffee.
58. Meditation.
59. Albores.
60. Portrait.
61. Portrait.
62. Landscape.
63. Landscape.
64. Landscape.
65. Marine.
66. Marine.
67. Interior.
68. Interior.
69. Interior.
70. Portrait.
Pedro Americo.
71. Proclamation of the Brazilian Independence.
Pedro Peres.
72. The Gold Book.
Pedro Weingartner.
73. Derrubada (clearing land).
74. Too Late.
75. Country Ball.
76. Portrait.
77. By Oblique Lines.
Raphael Frederico.
78. Magnolia.
79. Flowers.
Rodolpho Amoedo.
80. Narration of Philetas.
81. Jesus at Capharnaum.
82. Maraba.
83. Lucia.
84. Portrait.
Victor Meirelles.
85. The First Mass in Brazil.
Visconti, Eliseu d'Angelo.
86. Landscape.
87. Landscape.
88. Landscape.
89. Landscape.
90. Landscape.
91. Landscape.
92. Landscape.
93. Landscape.

GROUP 145.

Antique and Modern Carvings; Engravings in Medallions or in Gems; Cameos, Intaglios.

A. Girardet.

94. Portrait of Gen. B. Constant.
95. Two Ballet Girls.
96. Arrested Love.
97. Two Cupids.
98. Three Heads Symbolic of the Republic.
99. Galathea of Raphael.
100. Two Bassi-Relievi.

BRITISH GUIANA.

GROUP 140.

Paintings in Oil.

(Installed in Agricultural Building.)

- Brown, Capt., Montagn, Georgetown.**
 1. The Fight of the Peacock and the Hornet off Georgetown.
 2. The Port of Georgetown.

GROUP 141.

Paintings in Water Colors.

British Guiana Museum.

3. Twenty-nine Views of British Guiana Inland Scenery.
 4. Schomburgk's Views of Guiana.

CANADA.

GROUP 140.

Paintings in Oil.

- Adams, J. M. F., Toronto.**
 1. In the Studio.
Ahrens, C., A. R. C. A., Toronto.
 2. Cradled in the Net.
Alexander, C., Galt, Ont.
 3. Gathering Plums.
 4. A Peasant Girl Drinking.
Atkinson, W. E., Toronto.
 5. Moonlight.
 6. Autumn Evening, Bretagne.
Barnsley, J. M., Montreal.
 7. A Calm Evening.
Bell, Mary A., A. R. C. A., Almonte, Ont.
 8. Portrait of a Lady.
 9. September Evening, Lake Huron.
 10. Summer Time.
Bell-Smith, F. M., R. C. A., Toronto.
 11. Le Soir.
 12. Landscape.
 13. Evening, Holland.
Brownell, F., Ottawa.
 14. Lamp Light.
 15. Anderson's Garden.
Brymner, William, R. C. A., Montreal.
 16. In County Cork, Ireland.
 17. Lake Louise, Rocky Mountains.
 18. Lake Agnes, Rocky Mountains.
 19. Entr' Acte.
 20. Border of the Forest Fontainebleau.
Challener, F. S., A. R. C. A., Toronto.
 21. Forty Winks on a Sunday Afternoon.
 22. Marechal Niel Roses.
 23. A Sweet Penitent.
 24. Where the Mistletoe Grows.
 25. Showery Weather.
Cruikshank, W., A. R. C. A., Toronto.
 26. Drawing the Mast.
Cullen, M. G., Paris.
 27. On the River at Gretz.
 28. A Washhouse in Provence.
Day, Forshaw, R. C. A., Kingston, Ont.
 29. Musquodobit Falls, Nova Scotia.
DeForest, H. J., St. John, N. B.
 30. Valley of the Wauganni River, at Evening, N. Z.
Dignam, Mary E., Toronto.
 31. In the Vineyard.
 32. Still Life, Pumpkin.
Dyonnet, E., A. R. C. A., Montreal.
 33. Statuary.
Ede, F. C. V., Sorgues, Paris.
 34. Landscape with Cattle, France.
 35. Landscape with Sheep, France.
 36. At Sorgues, near Paris.
 37. Landscape with Cattle, France.
 38. Landscape near Fontainebleau.
 39. Barnyard with Poultry.
Egan, J. H., Montreal.
 40. Maternity.
Forbes, J. C., R. C. A., Toronto.
 41. Chalk Cliffs, near Dover.
 42. Coast of Maine.
 43. The Old Home.
 44. A Rocky Mountain Cañon.
Forster, J. W. L., A. R. C. A., Toronto.
 45. The Old Story.
 46. Gossips.
Franchere, J. C., Montreal
 47. Fantaisie Japonaise.
 48. Still Life.
Fraser, J. A., R. C. A., New York.
 49. A Highland November Morning.
Graham, J. L., Montreal.
 50. Pastures Green.
 51. Study of a Cow.
Grier, E. W., A. R. C. A., Toronto.
 52. Portrait. Miss M. Cawthra.
 53. Portrait of a Physician.
Hammond, J., A. R. C. A., St. John, N. B.
 54. Herring Fishing, Bay of Fundy.
 55. The Great Illicilliwaet Glacier, Selkirk.
 56. The Fraser River, Yale.
Harris, Robert, Pres. R. C. A., Montreal.
 57. Portrait. Gilman Cheney, Esq.
 58. Portrait. Mrs. Ross.
 59. Composing his Serenade.
 60. Portrait; Miss Peterson.
 61. "The Homely House that Harbours Quiet Rest."
 62. Harmony.
Holden, Sarah B, Montreal.
 63. Portrait.
 64. A Brittany Interior.
 65. A Son Gout.

CANADA.

66. **Hope, William, Montreal.**
 Table du Roi, Forest of Fontainebleau.
Houghton, Margaret, Montreal.
 67. **Wishing on the Moon.**
 68. **Old Fishing Stage, Louisbourg.**
Jacchi, O. R., R. C. A., Toronto.
 69. **Landscape with Gipsies.**
 70. **Landscape.**
 71. **Landscape.**
Kidd, J. M., Toronto.
 72. **Roses.**
Leduc, O., St. Hilaire, Que.
 73. **Nature Morte, Oignons.**
 74. **Nature Morte, etude a la lumiere d'une chandelle.**
McArthur, L. C., Winnipeg, Man.
 75. **Gateway, Old Fort Garry, Winnipeg.**
MacKillan, D. P., Montreal.
 76. **Dismal Hollow.**
Martin, T. M., R. C. A., Toronto.
 77. **Evening after Winter.**
 78. **Ducks.**
 79. **Ah! There!**
 80. **On Guard.**
Morrice, J. W., Montreal.
 81. **Entrance to Dieppe.**
 82. **Early Morning Effect on the Conway, Wales.**
Muntz, Laura A., Paris, France.
 83. **A Fairy Tale.**
Peel, Paul, R. C. A. (deceased).
 84. **The Venetian Bather.**
Pinhey, J. C., A. R. C. A., Hudson, Que.
 85. **Jael.**
Plimsoll, Fanny G., Montreal.
 86. **An After Dinner Pipe.**
Raphael, W., R. C. A., Montreal.
 87. **Abandoned.**
 88. **A Potato Plot.**
 89. **The Oat Field.**
Reid, G. A., R. C. A., Toronto.
 90. **The Foreclosure of the Mortgage.**
 91. **The Visit of the Clockmaker.**
 92. **Lullaby.**
 93. **A Mountain Village.**
Reid, Mary H., A. R. C. A., Toronto.
 94. **Roses and Still Life.**
 95. **Chrysanthemums.**
 96. **October Sunshine.**
Sandham, H., R. C. A., Boston, Mass.
 97. **The founding of Maryland, March 27, 1634.**
Schreiber, C. M. B., Springfield, Ont.
 98. **Christobel.**
Seymour, M., Montreal.
 99. **Evening on the Carron, Easter Ross, Scotland.**
Sherwood, W. A., A. R. C. A., Toronto.
 100. **Comrades.**
 101. **The Negotiation.**
Spurr, Gertrude E., Toronto.
 102. **Boston Stump.**
 103. **Grand River, Elora.**
Staples, O., Toronto.
 104. **The Last Load.**
Thompson, Ernest E., A. R. C. A., Toronto.
 105. **Awaited in Vain. An Incident in the Pyrenees.**
Tully, S. S., A. R. C. A., Toronto.
 106. **Le Vieux Cure.**
 107. **Portrait. Miss L. Lefevre. (Not for sale.)**
Verner, F. A., A. R. C. A., Toronto.
 108. **Milking Time.**
 109. **Monarch of the Prairie.**
Watson, H., R. C. A., Doon, Ont.
 110. **Early Spring, Grand River Valley.**
 111. **Storm Passing the Oak Glade.**
 112. **Village of Kilrenny, Fife.**
 113. **At the Farm.**
Watts, J. W. H., R. C. A., Ottawa.
 114. **A Forest Pool.**
 115. **October.**
 116. **Landscape.**
Wickson, Paul G., A. R. C. A., Paris, Ont.
 117. **At Duty's Call.**
Woodcock, P., R. C. A., New York, N. Y.
 118. **The Creek.**
- GROUP 141.**
- Paintings in Water Colors.**
- Barnsley, James M., Montreal.**
 119. **The Life Boat.**
 120. **East Gloucester, Maine. (Not for sale.)**
 121. **Shipping. (Not for sale.)**
Bell-Smith, F. M., R. C. A., Toronto.
 122. **Bank of Montreal, Montreal.**
 123. **Feeding Pigeons, St. Paul's Churchyard, London.**
 124. **Evening, Hyde Park Corner.**
 125. **After Rain, Place de la Concorde, Paris.**
 126. **The Morning Milking Hour, Holland.**
 127. **The Thames at London Bridge.**
 128. **Cape Trinity. (Not for sale.)**
Day, Forshaw, R. C. A., Kingston, Ont.
 129. **The Hermit Range.**
 130. **The Glacier Torrent.**
 131. **Cap Rouge, Quebec.**
 132. **The Hermit Range from above Lake Marion.**
Fraser, John A., R. C. A., New York, N. Y.
 133. **A Bit of Ightan Mote House.**
 134. **On a Blowy Morn in June.**
 135. **At the Solemn Hour.**
 136. **In the Wild Highlands.**
 137. **November Twilight, Perthshire.**
 138. **The Haunt of the Muskrat.**
 139. **By the Meadow Stream.**
 140. **The Weird House in the Moat.**
 141. **On Loch Etive Side.**
 142. **The Sunset Flush.**
 143. **'Twixt Achray and Katrine.**
 144. **Perce.**
Fowler, Daniel, R. C. A., Emerald, Ont.
 145. **Shot, But Not Got.**
 146. **Group of Canadian Dead Game.**
 147. **Peonies.**
 148. **Gladiolus.**
 149. **Group of Gladiolus.**
 150. **Rough Pasture.**
 151. **Summer Afternoon.**
 152. **Low Water, Bay of Quinte.**
 153. **Sunshine and Shade.**
 154. **Sand Hills, Amherst Island.**
 155. **Fisher Boys of Hasting, England.**
 156. **Dark Pool on a Dull Day.**
 157. **Stork.**

DEPARTMENT K.—FINE ARTS.

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| <p>158. Duck.
Gagen, Robert F., A. R. C. A., Toronto.</p> <p>159. Rhododendrons.</p> <p>160. A Clear Morning, Frenchman's Bay, Maine.</p> <p>161. Ebb Tide, West Gouldsborough, Maine.
Griffiths, James, R. C. A., London, Ont.</p> <p>162. English Roses.</p> <p>163. Peonies.</p> <p>164. Canadian Roses.
Knowles, F. McG, A. R. C. A., Toronto.</p> <p>165. Perce Fishermen, Gulf of St. Lawrence.
MacDonnell, Harriet J., Montreal.</p> <p>166. Old Saw-mill, St. Andrews.
Manly, C. McD., A. R. C. A., Toronto.</p> <p>167. Midsummer Days.</p> <p>168. Heatherland.</p> <p>169. Land of the Peach and Vine.
Martin, E. May, Toronto.</p> <p>170. Late Twilight.
Martin, H., A. R. C. A., Toronto.</p> <p>171. Westminster.
Mathews, M., R. C. A., Bracondale, Ont.</p> <p>172. Indian Salmon Catch on the Fraser River.</p> <p>173. Lifting Mists in the Kicking Horse Cañon.</p> <p>174. Mount Begbie, at Revelstoke, B. C.</p> <p>175. The Selkirks Glacier from the C. P. R.</p> | <p>176. Spuzzum Creek on the Fraser River.
O'Brien, L. R., R. C. A., Toronto.</p> <p>177. The Great Peak of the Selkirks.</p> <p>178. Niagara.</p> <p>179. Canterbury Cathedral.</p> <p>180. Lake Memphremagog.</p> <p>181. The Grand River at Dover.</p> <p>182. Fat Lands of Ontario.</p> <p>183. Gathering Hay on Coldwater Marshes.
Phillips, Mary M., Montreal.</p> <p>184. Gloucester Harbor.
Reid, G. A., R. C. A., Toronto.</p> <p>185. Late Afternoon. (Pastel.)
Revell, W. M., A. R. C. A., Toronto.</p> <p>186. Sketch on the Canal, Brantford.</p> <p>187. Canadian Fruit.
Rolph, J. T., A. R. C. A., Toronto.</p> <p>188. Birch Trees, Coast of Maine.</p> <p>189. Sluice Gate, near West Goldsboro.
Spurr, Gertrude E., Toronto.</p> <p>190. Upland Road, Point Levi.</p> <p>191. By the Lake Shore, Mimico Creek.</p> <p>192. Rapids above the Falls.
Tully, S. S., A. R. C. A., Toronto.</p> <p>193. Anticipation. (Pastel.)</p> <p>194. Study. (Pastel.)
Verner, F. A., A. R. C. A., Toronto.</p> <p>195. St. Clair Marsh.
Way, C. J., R. C. A., Ospedaletti.</p> <p>196. Pool in the Valley of the Rhone, Switzerland.</p> |
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COSTA RICA.

GROUP 139.

Sculpture.

- Mur, F., San Jose.
1. Fac-simile of Statue of Juan Santamaria. 820

GROUP 140.

Paintings in Oil.

- Valiente, Francisco, San Jose.
2. The Revery.
 3. High Sea.
 4. Recollections.

GROUP 143.

Engravings and Etchings; Prints.

- Langenbert, G., San Jose.
5. View of San Jose.

GROUP 144.

Chalk, Charcoal, Pastel and Other Drawings.

- Garcillan, Ciriaco, San Jose.
6. "The Universal Fame of the Chicago Exposition," projected monument.
Ruddy Paynter, San Jose.
 7. Crayon Portrait of the President of the Republic.
Valiente, Francisco, San Jose.
 8. Crayon Portrait of Senor Garay, Mexican Minister.
 9. Crayon Portrait of Senorita Marcelina Gonzalez.
Pacheco, Sta. Talia, San Jose.
 10. Various Crayon Works.

GROUP 145.

Antique and Modern Carvings; Engravings in Medallions or in Gems;

- Cameos, Intaglios.
- Gonzalez, P., San Jose.
11. Fac-simile of Monunt of 1856.

DENMARK.

GROUP 139.

Sculpture.

- Bissen, V.**
1. A Girl Making Pottery. (Marble.)
2. A Danaide. (Marble.)
Boegebjerg, R.
3. A Girl from Fanoe. (Bust, marble.)
Bundgaard, A. J.
4. Will o' the Wisp. (Statue, plaster.)
5. Laborer. (Statue, bronze.)
Dan, Johanne.
6. A Snake Charmer. (Statue, bronze.)
Hasselries, L.
7. Christ.
8. Columbus.
Kroyer, P. S.
9. The Poet, Alex. Kjeliand. (Bust, plaster.)
10. The Poet Holger Drachmann. (Bust, plaster.)
11. The Painter, Michal Ancher. (Bust, plaster.)
12. The Violinist, Anton Svendsen. (Bust, plaster.)
13. The Zoologist, J. C. Schjodte. (Bust, plaster.)
Nielsen, Anna M. C.
14. A Calf. (Bronze.)
15. A Calf. (Bronze.)
Pacht, Axel Fred'k.
16. His Majesty, King Christian IX. (Statue, bronze.)
Saabye, A. N.
17. Susanne Before the Elders.
18. Lady Macbeth Walking in Her Sleep.
Schultze, Jul. Vilh.
19. Vittaro. (Statuette, marble.)
Sinding, Stephan.
20. A Captive Mother. (Plaster.)

GROUP 140.

Paintings in Oil.

- Achn, G.**
21. Morten.
Agersnap, Hans.
22. Summer Day at the Pool in the Bog.
23. Cotton Grass in Bloom.
Ancher, Anna.
24. A Dressmaker.
25. In a Brown Study.
Ancher, Michael.
26. A Winter Day at the Village Shopkeepers.
27. Fisherman Returning Home.
28. Three Old Fellows.
Arnesen, Villa.
29. A Gale at Sea.
Bache, Otto.
30. The Mill Yard.
31. Hussars on the Commons.
Ball, Otto.
32. Sunset.
Bilkist, Joh. B.
33. The Weather in Clearing After the Rain.
- Bissen, R.**
34. An Old Oak Near the Shore.
Blog, Gerhard.
35. In the Summer House.
Blache, Chr.
36. Calm Afternoon on the Oresund.
37. Rough Sea at a Rocky Coast (Bornholm, Denmark.)
Boesen, Joh.
38. Evening at the Seaside.
39. Spring in a Danish Beech Forest.
Brasen, Hans.
40. The Woman with the Eggs. (From H. C. Anderson's Story.)
Braendekilde, H. J.
41. Worn Out.
42. Goodbye.
Bredsdorf, Johan Ulrik.
43. Sunshine When the Leaves are Falling.
Brandt, J. H.
44. Breakers.
La Cour, James.
45. View of the Sea on a Calm Spring Day.
46. At the Seaside; Gloomy Day.
Carstensen, A. Riis.
47. Sea Piece.
Christiansen, H.
48. Jutlandish Bull.
49. A Milking Place.
Christiansen, Pul S.
50. Portrait.
Dahl, Hans.
51. Evening Picture (Tisville Hegn, Zealand).
Dahlmann, Augusta.
52. Flora.
53. Chrysanthemums.
Dorph, A.
54. A Young Girl—Study Head.
Dorph, N. V.
55. Lawn Tennis.
Englested, M.
56. Sacrifice of Isaac.
Fisher, Poul.
57. Hojbroplads, Copenhagen.
Frolich, Emma.
58. Flowers.
Frolich, L.
59. Heracles bringing a Satyr before the Tribunal of Olympians.
60. Le Satyr. (La Legende des Siecles, V. Hugo.)
61. Cain and the Eye of the Lord (La Legende des Siecles, V. Hugo.)
Gjodesen, Aage.
62. View on the Kullen in Sweden; Afternoon Sun.
Gudmundsen-Holmgren.
63. Bricklayers Playing Cards.
64. Interior of a Poor Cottager's Home. (Walders, Norway.)
Hansen, Hans Nikolai.
65. Portrait of the Wife of the Painter.
66. January.
67. The Beach at Tisville (Zealand).

DEPARTMENT K.—FINE ARTS.

68. **Hansen, Adolph H.**
Room in the Palace Coronna in Rome.
69. **Hansen, Peter.**
Group of Children.
70. **Hansen, Joseph Th.**
The Study-room of Her Majesty, Queen Louise, at Fredensborg.
71. The Council-room at the Palace of Stockholm.
Haslund, Otto.
Interior of a Stable.
72. **Heilmann, Gerhard.**
73. Spring Day After Rain.
74. An Old Manor House.
75. Summer Evening.
Helsted, Axel.
76. The Judgment of Paris.
Henrichsen, Lorenz V.
77. Evening Sun.
Holten, Sofie.
78. Portrait of a Lady. (Half length.)
79. Portrait of a Gentleman. (The Painter, L. A. Bing.)
80. At the Border of the Wood.
Hou, Axel.
81. "Master, Where Are You Going?"
Ilsted, Peter.
82. An Invalid.
Irminger, V.
83. In a Ward During the Night. (The Children's Hospital at Refsnaes, Zealand.)
84. Suffers Waiting for Christ. (St. Mark I, 32-33.)
85. Dogs in Copenhagen.
Jensen, Carl Milton.
86. A Change in the Weather.
Jensen, J. Th.
87. Winter Day in a Forest Glen.
Jensen, Karl.
88. St. Olai Church at Elsinore.
Jespersen, Henrik.
89. Drifting Clouds with Glimpses of Sunshine.
90. On the Brink of a Rivulet in West Jutland; Summer Afternoon.
Jerndorff, A. A.
91. The Deluge.
92. The Jews in the Wilderness.
93. Portrait of a Gentleman.
94. Portrait of a Lady.
Johansen, Viggo.
95. Christmas Eve.
96. Autumn Landscape.
97. Sunday at Fibirke Church (Denmark).
98. Plough Land.
Kabel, Ludvig.
99. Summer Evening in the Country (Zealand).
Kittendorf, Ad.
100. Amagertorv in Copenhagen.
101. In Gennayano.
Kofoed, H. C.
102. After the Work (Brittany).
103. Portrait.
Konstantin-Hansen, Elise.
104. An Oat Field.
Kornerup, Valdemar.
105. The Good Samaritan.
Krebs, Johanne.
106. Portrait. (Study.)
Kroyer, P. S.
107. The Road to Stenbjerg (Denmark.)
108. In the Garden.
109. Portrait.
Kyhn, Vilhelm.
110. Landscape.
Larsen, Knud Erik.
111. From the Children's Home. (The children have cod liver oil.)
112. The Border of the Woods.
Larsen, Mimi.
113. Before the Communion. (Old Wendish Woman.)
Locher, Carl.
114. A November Night on the North Sea.
115. The Glacier of Oefjelds. (Iceland.)
Lubschitz, John Leopold.
116. Evening.
Lund, C. Emil.
117. Landscape in Jutland. Subject from Himmerland.
Lund, Soren.
118. Tethered Horses.
Lutzhoft, N. Holten.
119. Dark Day in August.
120. Sunshine in a Village Churchyard.
Matthiesen, Oscar.
121. Cart Horses at the Heine, Paris.
122. Gale at the West Coast of Jutland.
123. Griffenfeldt as a Prisoner at Munkholm, Teaching Two Little Boys.
Mols, Niels Petersen.
124. Rainy Weather.
125. October Day.
Niss, Thorvald.
126. Autumn.
Nybo, Friis.
127. September. West Part of Southern Norway.
128. Old Trees at Charlottenlund (Zealand).
Olsen, Alfred.
129. A Dead Calm.
Pacht, Yilh.
130. Potato Harvest in North Zealand.
Paulsen, Julius.
131. The Models are Waiting.
132. View of a Plain in Denmark.
133. Portrait of Professor Frolich.
Pedersen, Ole.
134. Field Laborers.
135. Interior of a Stable.
Pedersen, Thorolf.
136. From the Port of Elsinore.
137. The Tempest.
Pedersen, Viggo.
138. Isaac Seeing the Arrival of Rebecca, (Genises xxiv, 63.)
139. The Water Mill.
140. The Sun Setting Over the Sea.
141. View of the Sea.
142. Italian Landscape from Sora.
Petersen, Anna Sofie.
143. Fishermen in Church in West Jutland.
Rasmussen, J. E. Carl.
144. Shipwrecked Sailors on the Sea.
145. Summer Night on the Coast of Greenland.
Rasmussen, R. C.
146. Street at Rysensten. (Copenhagen.)
Ring, L. W.
147. Laborers at an Aqueduct.
148. A Drunken Man in the Village.
Rohde, Johan.
149. Danish Landscape.

DENMARK.

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| <p>150. On the Banks of the Ribe Rivulet.
Seligman, Georg.</p> <p>151. Convalescence.
Schlichtkrull, Johan C.</p> <p>152. The Sound Sleepers.</p> <p>153. Outside the Cottage.</p> <p>154. Portrait of My Brother.</p> <p>155. Change of the Weather.
Schmidt-Phiseldeck, Carl.</p> <p>155½. The Large Beach in Valloe Park;
September Day.
Skovgaard, N. K.</p> <p>156. The Goblins' Forest.</p> <p>157. Beech Forest in the South of Sweden
on a Rainy Autumn Day.</p> <p>158. Portrait.
Smidth, Hans.</p> <p>159. Aaresvad Rivulet at Karup (West
Jutland).</p> <p>160. Sund's Mill (West Jutland).
Therkildsen, M.</p> <p>161. Frightened Horses.
Tornoe, Wenzel.</p> <p>162. The Newly Married Friend Pays a
Morning Visit.
Tuxen, Lauritz.</p> <p>163. Suanne in the Bath.</p> <p>164. On the Coast of Piccardy, Fisrhe-
men Returning at Dusk.</p> | <p>165. Portrait of a Lady.</p> <p>166. The Royal Danish Family.
Tuxen, Nicoline.</p> <p>167. Midsummer; Growing Apple Bough.
Wandel, Elisabeth.</p> <p>168. Evening Sun; A Storm is Coming on.
Wang, Albert E.</p> <p>169. October Day. (Subject from the
neighborhood of Horsens, Den-
mark.)
Wegmann, Bertha.</p> <p>170. Portrait of a Lady.</p> <p>171. Portrait of a Lady.</p> <p>172. A Physician.</p> <p>173. Prospect at Jenbach (In Tyrol).
Wentorf, Carl C. F.</p> <p>174. At Relsen. (Subject from Gulbran-
dsdalen, Norway.)
Winther, Fr.</p> <p>175. Sorgenfri Rivulet. (Lyngby, Zeland.)
Zacho, Chr.</p> <p>176. Summer Day on the Banks of the
Rivulet in Sæbygaard Wood. (Jut-
land.)
Zahrtmann, Kristain.</p> <p>177. Job and his Friends.</p> <p>178. Procession in Civita d'Antina, Italy.</p> |
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FRANCE.

GROUP 139.

Sculpture.

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| <p>Anglade, Alexandre, Paris.</p> <p>1. Pro Fide. 820</p> <p>2. Child on a Wave; More Fear than
Danger. 820</p> <p>3. Blind. 821</p> <p>4. Cavalryman in Campaigning Dress. 822</p> <p>5. Infantry on the Frontier in Fatigue
Uniform. 822</p> <p>6. Volunteer of Autun, Cavalryman in
Service Dress. 822</p> <p>7. A Curious Child. 820</p> <p>Aube, Jean-Paul, Paris.</p> <p>8. Dante. 820</p> <p>Barrias, Louis-Ernest, Paris.</p> <p>9. The First Burials. 820</p> <p>10. Mozart as a Child. 820</p> <p>Bartholdi, Frederic-Auguste, Paris.</p> <p>11. Washington and Lafayette. 822</p> <p>Bartholome, Albert, Paris.</p> <p>12. Little Girl Crying. 822</p> <p>Bastet, Victorien-Antoine, Paris.</p> <p>13. Abandoned. 822</p> <p>Becquet, Just, Paris.</p> <p>14. The Seine at its Source. 822</p> <p>15. Faun Playing with a Panther. 822</p> <p>Belin, Joseph, Paris.</p> <p>16. Toby. 822</p> <p>Beguine, Michael-Leonard, Paris.</p> <p>17. The Charmer. 820</p> <p>18. David Conqueror. 820</p> <p>Blanchard, Jules, Paris.</p> <p>19. Tintoret's Daughter. 820</p> | <p>20. Head of a Woman. 822</p> <p>Bonheur, Isidore, Paris.</p> <p>21. Jugglers. 822</p> <p>22. Chevalier of Louis XV. 822</p> <p>23. Percheron Horse. 822</p> <p>Boucher, Alfred, Paris.</p> <p>24. On the Ground. 820</p> <p>Cain, Auguste, Paris.</p> <p>25. Rhinoceros Attacked by Tigers. 820</p> <p>26. Eagle and Vulture Quarreling over a
Dead Bear. 820</p> <p>27. Lion Strangling a Crocodile. 820</p> <p>Cambos, Jean-Jules, Paris.</p> <p>28. Return of Spring. 820</p> <p>Carles, Antonin-Jean, Paris.</p> <p>29. Abel. 820</p> <p>Cazin, Mme. Marie, Paris.</p> <p>30. Young Girls. 822</p> <p>Chapu, Henri-Michel-Antoine.</p> <p>31. Joan of Arc. 820</p> <p>Chatrousse, Emile, Paris</p> <p>32. Young Contemporary. 820</p> <p>Chevre, Paul, Paris.</p> <p>33. Cocks Fighting. 820</p> <p>Choppin, Paul-Francois, Paris.</p> <p>34. Volunteer of 1776. 822</p> <p>Claudet, Mlle. Camille, Paris.</p> <p>35. Bust of M. Rodin. 822</p> <p>Colle, Charles-Alphonse, Paris.</p> <p>36. Ophelia. 820</p> <p>37. The Minuet 822</p> <p>Croisy, Aristide, Paris.</p> <p>38. The Doll's Toilet. 820</p> <p>Daillion, Horace, Paris.</p> <p>39. Modesty. 820</p> |
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DEPARTMENT K.—FINE ARTS.

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| 40. | Delaplanche, the late Eugene, Paris.
Sincerity. 820 | 79. | Larroux, Antonin, Paris.
Judith. 820 |
| 41. | Dubois, Paul, Paris.
Four Figures from the Tomb of Lam-
oriciere. 820 | 80. | Lemaire, Hector, Paris.
Graziella. 820 |
| 42. | Durand, Ludovic, Courbevoie.
The Caress. 820 | 81. | Eclipse of the Moon. 820 |
| 43. | Falguiere, Jean-Alexandre-Joseph,
Paris.
Republican France, Allegorical Statue
Ordered by the French Government
Section. | 82. | Mother Love. 820 |
| 44. | Diana Shooting. | 83. | Child and Rose. 820 |
| 45. | Diana.
Fosse, Athanase-Theodore-Frederic,
Paris. | 84. | The Task. 820 |
| 46. | Souvenir of the Night of Sept. 4, 1851.
Fouques, Henri-Amedee, Paris. | 85. | The Swan. 820 |
| 47. | "Fox," a Pointer.
Fremiet, Emmanuel, Paris. | 86. | Pandora. 820 |
| 48. | Man of the Stone Age. 820 | 87. | Ocean of Love. 822 |
| 49. | The Wounded Dog.
Frere, Jean, Paris. | 88. | Leroux, Etienne, Paris.
Young Woman Playing with her Child.
820 |
| 50. | The Two Pigeons
Gaudez, Adrien, Neuilly-sur-Seine. 820 | | Levasseur, Henri-Louis, Paris. |
| 51. | The Nymph Echo. 822 | 89. | The First Born. 822 |
| 52. | Geoffroy, Adolphe-Louis-Victor, Paris.
Tiger and Antelope. 820 | 90. | The Conqueror at the Tournament. 822 |
| 53. | Granet, Pierre, Paris.
Youth and Fancy. 820 | 91. | Card Plate. 822 |
| 54. | Gravillon, Arthur de, Paris.
Cardinal Foulon, Archbishop of Lyon.
820 | 92. | Lombard, Henri-Edouard, Paris.
Diana. 820 |
| 55. | Guglielmo, Lange, Paris.
Study of a Head. 820 | 93. | Marioton, Eugene, Paris.
Chactas. 820 |
| 56. | Hannaux Emmanuel, Paris.
Mercury and Bacchus. 820 | 94. | Marqueste, Laurent-Honore, Paris.
La Cigale. 820 |
| 57. | Phryne. 820 | 95. | M. Patenotre, Ambassador of France
to the United States. 820 |
| 58. | Hirou, Ernest, Paris.
Hedge Roses. 820 | 96. | Marquet De Vasselot, Anatole, Paris.
Sculptures of the Renaissance. 820 |
| 59. | Houdain, Andre, Paris.
Faun. 820 | 97. | Massoule, Andre-Arthur-Paul, Paris.
An Ancestor. 820 |
| 60. | Houssin, Edouard-Charles, Paris.
In Danger. 820 | 98. | Meissoiner, Jean-Louis-Ernest, Paris.
The Herald of Murcia. The Trumpet
of Louis XIII. 823 |
| 61. | Bust of M. Demont-Breton. 822 | 99. | Duroc. 823 |
| 62. | Bust of Mme. Demont-Breton.
Hugues, Jean, Paris. | 100. | Design for a Mantel. 823 |
| 63. | Oedipus at Colonna | 101. | The Dancing Muse. 823 |
| 64. | Immortality. 820 | 102. | Wounded Horse from the Group
entitled The Siege of Paris. 823 |
| 65. | Woman Playing with her Child.
Icard, Honore, Paris. | 103. | Mercie, Antonin, Paris.
David the Victor. 820 |
| 66. | The Rights of Man. 820 | 104. | "Even So!" 820 |
| 67. | Idrac, Antoine-Jean-Marie.
Salamambo. 820 | | Mezzara, Mme. Florence, Mulhouse. |
| 68. | Itasse, Adolphe, Paris.
Love Conqueror. 822 | 105. | The Virgin, Child Jesus and St. John
the Baptist. |
| 69. | Itasse, Mlle. Jeanne, Paris.
Egyptian Harpist. 822 | | Michel, Gustave, Paris. |
| 70. | Head of an Old Woman.
Kinsburger, Sylvain, Paris. | 106. | The Blind Man and the Paralytic. 820 |
| 71. | In Danger. 820 | 107. | Fortune Holding up her Diadem. 820 |
| 72. | Labatut, Jules-Jacques, Paris.
Oath of Hannibel. 822 | 108. | Aurora. 820 |
| 73. | Lami, Stanislas, Paris.
First Transgression. 820 | 109. | Millet, the late Aime, Paris.
Ariadne Abandoned. 820 |
| 74. | Danish Hound.
Lanson, Alfred, Paris. | | Mombur, Jean-Ossaye, Paris. |
| 75. | The Age of Iron. 822 | 110. | An Idyl. 822 |
| 76. | Diana. 822 | 111. | Washington. 822 |
| 77. | Larche, Raoul, Paris.
Jesus Before the Rabbis. 820 | 112. | Lafayette. 822 |
| 78. | At the Mirror. 820 | | Moreau-Vauthier, Augustin-Jean,
Paris. |
| | | 113. | Bacchante. 820 |
| | | 114. | Fortune. 820 |
| | | 115. | Nereide. 820 |
| | | 116. | Florentine Head. 820 |
| | | 117. | Bacchante. 820 |
| | | | Paris, Auguste, Paris. |
| | | 118. | The Return. 821 |
| | | | Pecou, Jean-William-Henri, Paris. |
| | | 119. | Bust of M. E. Boeswillwald.
Peene, Augustin-Pierre-Charles,
Paris. |
| | | 120. | Portrait of Mme. C—. 820 |
| | | | Perrey, Leon-Auguste, Paris. |
| | | 121. | Death of Jezebel. 820 |
| | | | Peyrol, Hippolyte, Paris. |
| | | 122. | Protection. 822 |

FRANCE.

123. Pompon, Francois, Paris.
 The Martyr St. Catherine.
 Puech, Denys, Paris.
 124. The Siren. 820
 125. The Star. 820
 Raissiguier, Emile-Paul, Paris.
 126. Young Cupid. 822
 Rombaud, Pierre, Paris.
 127. Agrippe, d'Aubigne. 823
 Ringel, d' Illzach, Paris.
 128. Perversity. 822
 129. A Persian Woman. 820
 130. Bas-relief in Baked Clay.
 Eugene, Robert, Paris.
 131. In the Woods. 820
 Rodin, Auguste, Paris.
 132. Burgess of Calais. 820
 133. Portrait of a Man. 822
 Roubaud, Louis-Auguste, Paris.
 134. The Vocation. 822
 Rougelet, Benedict, Paris.
 135. Hero and Leander. 820
 Saint-Marceaux, Rene de, Paris.
 136. Spirit Guarding the Secret of the
 Tomb. 820
 Sanson, Justin Chrysostome, Paris.
 137. A Conqueror. 820
 Soules, Felix, Paris.
 138. The Rape of Iphigenia. 820
 Turcan, Jean, Paris.
 139. The Blind Man and the Paralytic. 820
 Vaucanu, Emile, Paris.
 140. Normandy. 820
 141. An Oriental. 820
 Verlet, Raoul-Charles, Paris.
 142. The Grief of Orpheus.
 143. Baby.
 Weyl, Mme. Jenny, Paris.
 144. Lucrezia Buti. (Marble.) 821
 145. Fifteen Years. (Bronze.) 822
 Casts of French sculptures from 11th to
 the 19th century.
 Exhibited by the Bureau of Historical
 Monuments from the studios of the Museum
 of Comparative Sculpture and the Museums
 of Decorative Arts and of the Louvre.
 Eleventh and 12th Century.
 146. Church of Notre-Dame-du-Port, in
 Clermont-Ferrand—Portal of South-
 ern Façade.
 147. Cloister of Saint-Trophime at Arles.
 148. Cathedral of Bourges.
 149. The Church of Saint-Martin at Brive.
 150. Church of Sainte-Croix at Charite
 (nièvre).
 151. The Monastery of Charlieu.
 152. Cathedral of Chartres.
 153. Cloister of Moissac, Five Capitals.
 154. Church of Sainte-Eutrope at Saintes,
 Two Capitals of Pilasters of the
 Nave.
 155. The Abbey Church Saint Gilles, Cen-
 tral Door and Part of the Western
 Façade.
 156. Cloister of the Abbey of Daurade in
 Toulouse, Two Capitals of Columns.
 157. Cathedral of Amiens, East Front Pier
 of Central Door; 13th century.
 158. Cathedral of Amiens, West Façade,
 Bases of Left Hand Door, with
 Figures, The Month, Signs, etc.;
 13th century.
159. Cathedral of Amiens, South Façade,
 Lintel and Pier of Door of Saint-
 Honore; 13th century.
 160. Cathedral of Amiens: Tomb of
 Evrard of Fouillooy. 13th century.
 161. Cathedral of Laon: Six Capitals of
 Columns of the Triforium. 13th cen-
 tury.
 162. Cathedral of Paris: Western Façade,
 Frame of Left-hand Door. 13th cen-
 tury.
 163. Cathedral of Paris: West Façade,
 Part of Left Door of. 13th century.
 164. Cathedral of Paris. Hanging of Door
 in West Façade. 13th century.
 165. Cathedral of Reims: Panel of Left
 Door of Transept. 13th century.
 166. Cathedral of Reims: Decoration of
 the Interior Wall—West Side. 13th
 century.
 167. Cathedral of Reims: Figure of Pro-
 phet from Interior of West side.
 168. Cathedral of Reims: Base and Cap-
 ital of Pillar. 13th century.
 169. Cathedral of Rouen: Part of West
 Door. 13th century.
 170. Chapel of Saint-Germer: Ancient
 Altar Piece—Museum of Cluny.
 13th century.
 171. Cathedral of Bordeaux: Door of
 North Transept. 14th century.
 172. Cathedral of Lyons: Dais Surmount-
 ing a Niche, and Doors of Western
 Front. 14th century.
 173. Cathedral of Sens: Lower Part of
 Right-Hand Door of Western
 Front. 14th century.
 174. Church of Saint-Urbain at Troyes,
 Embellishment of Choir Gallery.
 14th century.
 175. Statue of William de Chanac, from
 the Louvre. 14th century.
 176. Statue of Philippe VI, King of France,
 from the Louvre.
 177. Château de la Ferte-Milon, High re-
 lief over door. Coronation of the
 Virgin. 15th century.
 178. Château du Lude, Statuette of Angel
 for Vane (in hammered copper).
 15th century.
 179. Statue of Philippe de Morvillier,
 First President of Parliament of
 France, from the Louvre. 15th
 century.
 180. Cathedral of Aix, Door of West
 Façade. 16th century.
 181. Cathedral of Beauvais, Door of South
 Transept. 16th century.
 182. Cathedral of Chartres, six Pilasters
 from Choir Screen, Jean le Texier.
 16th century.
 183. Château de Gaillon, Stalls from the
 Chapel Choir. 16th century.
 184. Gallery in the Cathedral of Limoges
 (artist unknown). 16th century.
 Jean Cousin (attributed to).
 185. Cathedral of Mans.
 186. Tomb of William of Bellay.
 Hotel Carnavalet, Paris.
 Jean-Goujon.
 187. Abundance.
 188. Children.

DEPARTMENT K.—FINE ARTS.

189. Diana.
 190. Famous Ones.
 191. Two Victories. The Louvre.
 192. Child with a Whistle.
 193. Decorations of the Stairway of Henry II.
 194. Compartments with Deer's Head and Fruit.
 195. Compartments with Lion's Head and Vase with Flames.
 196. A Group of Children.
 197. Ceiling Piece.
 198. The Infant Jupiter.
 199. Posts Forming a Square.
 200. Top of Frame and Crown of Fruit.
 201. Young Tritons Forming Tubes.
 202. Tubes Forming Frames.
 203. Door Jambs Ornamented with Flowers.
 204. Head of Faun.
 205. Church of St. Maclou at Rouen. Western Façade.
 206. Door of the North Transept of the Church of St. Maclou at Rouen. **Michael Colombe (1512).**
 207. The Tomb of Frances II, Duke of Brittany, and of Marguerite de Foix from the Cathedral of Nantes. **Jean Goujon.**
 208. Bas-relief for the Fountain of Innocents, Paris.
 209. Nymph of the Seine. Tritons and Nereids. Nymph of the Seine. **Paul Ponce.**
 210. The Trophies.
 211. Nine Masks, Fauns and Satyrs.
 212. Lion. **Jean Cousin and Jean Goujon (attributed to).**
 213. Cathedral of Rouen—Tomb of Louis Breze.
 214. Five Bas-reliefs Representing the Field of the Cloth of Gold, from the Hotel of Bourgtheroulde, at Rouen. **Germain Pilon.**
 215. The Interior of the Abbey Church.
 216. The Tomb of Henry II and Catherine of de Medicis, with their Statues. **Jean Juste.**
 217. Tomb of the Children of Charles the VIII, King of France, in the Cathedral of Tours.
 218. One of the Bas-reliefs of the High Altar in the Church of St. Jean at Troyes.
 219. Bas-relief Representing the Adoration of the Magi in the Church of St. Nicholas of Troyes. **Michel Colombe.**
 220. Saint George and the Dragon. The Louvre. **Michel Colombe.**
 221. The Virgin with the Child, called the Virgin of Olivet. (The Louvre.)
 222. Figure of Roberte Legendre from a Tomb of 1522. **Germain Pilon.**
 223. Virgin of Grief, called the Virgin of Saint Cyr. **Germain Pilon (1535).**
 224. The Three Graces.
 225. **Barthelemy Prieur (1611).** Marie de Brabançon-Cany. **Pierre Puget (1622-1694).**
 226. Door of the Hotel de Ville at Toulon. **Pierre Puget.**
 227. Faun. **Girardon (1628-1715).**
 228. Nymphs Bathing. **Lehongre (1628-1690).**
 229. River and Children. **Legros (1629-1714).**
 230. River and Children. **Lehongre.**
 231. Nymph and Love on a Dolphin. **Legros.**
 232. Nymph and Love on a Dolphin. **Coysevox (1640-1720).**
 233. The Garonne River. **Coysevox.**
 234. The Dordogne River. **Magnier (1647-1715).**
 235. Nymph and Love. **Magnier.**
 236. Nymph and Love. **Van Cleve (1645).**
 237. Group of Children.
 238. Bronze Group of Children Playing with Snow. **Masson (1627-1684).**
 239. Lead Torch-Bearer, 17th century. **Lehongre.**
 240. Torch-Bearer, 17th century. **Lehongre.**
 241. Vase of 17th century.

Parterre of Latone.
Jean Dedieu.
 242. Bacchante. **Lecomte (1737-1817).**
 243. Hercules. **Coysevox.**
 244. Nymph with a Shell.

Chateau of Marly.
Coysevox.
 245. A Shepherd and Little Satyr. **Nicolas Coustou (1658-1733).**
 246. Adonis Resting From the Chase. **Coysevox.**
 247. Flora and Love. **Coysevox.**
 248. Hamadryad and Child. **Coysevox (1685-1720).**
 249. Maria Adelaide of Savoy. **Nicolas Coustou.**
 250. Ancient Custom-House at Rouen. **Robert LeLorrain.**
 251. The Ancient Hotel de Rohan at Paris. **Guillaume Coustou.**
 252. Maria Leczinska, Queen of France. **Pierre Julien.**
 253. Nymph with Goat. **Houdon.**
 254. Diana. **Houdon.**
 255. Voltaire. **Francois Rude.**
 256. Neapolitan Fisherman. **Barye.**
 257. Jaguar and Hare. **Barye.**
 258. Lion Strangling a Boa.

FRANCE.

GROUP 140.

Paintings in Oil.

259. **Abbema, Louise, Paris.**
 Japan.
Achille-Cesbron, Paris.
 260. Sleep Flower.
Adam, Louis-Emile, Paris.
 261. Return of the Grape Pickers.
 262. Last Ray of the Sun.
Agache, Alfred-Pierre, Paris.
 263. Vanity.
 264. The Annunciation.
 265. A Witch.
Allegre, Raymond, Paris.
 266. The Old Port, Marseilles.
 267. Villefranche.
Aman-Jean, Edmond, Paris.
 268. Venice.
 269. In Sicily.
Appian, Adolphe, Lyon.
 270. Morning Fog.
Argence, Eugene d', Paris.
 271. Night in the Hamlet of Preval.
Attendu, Ferdinand, Paris.
 272. Corner in a Creamery.
Aubert, Ernest-Jean, Paris.
 273. Love's Captives.
Aublet, Albert, Paris.
 274. Women on the Seashore.
 275. The Aged.
 276. The Sacrament.
Auguin, Louise-Augustin, Bordeaux.
 277. Cape Breton Heath.
Axilette, Alexis, Paris.
 278. Love and Folly.
 279. A Huntress.
Bail, Joseph, Paris.
 280. Young Scullion Playing with a Cat.
Bail, Jean-Antoine.
 281. At Nesle-la-Vallee.
 282. In the Cellar.
Baillet, Ernest, Paris.
 283. The First Lights on the Seine.
 284. September Morning on the Seine.
Balouzet, Auguste, Lyon.
 285. Morning in the Meadows near Riorges.
Barau, Emile, Neuilly-sur-Seine
 286. In Autumn.
 287. The Rouazes.
Barillot, Leon, Paris.
 288. Train 47.
 289. The Valley of Seulles.
Barrias, Felix-Joseph, Paris.
 290. Returning from Circumcision, Tanager.
 291. Conjuring among Courtesans, Venice.
 292. The Narghillieh. Georgian and Circassian.
Bartholome, Albert, Paris.
 293. Hunting the Slipper.
Baschet, Marcel, Paris.
 294. Portrait of My Grandmother.
 295. Portrait of Mademoiselle X.
Baudoume, Paul-Albert, Paris.
 296. Miamosa.
 297. Portrait of Mr. Elisee Reclus.
Beauvais, Armand, Paris.
 298. La Planche Baron.
Beauverie, Charles-Jos, Paris.
 299. Sun Piercing the Fog on the Lignon.
 300. The Potato Harvest.
Benjamin-Constant, Jean-Joseph, Paris.
 301. The Triumph of Christopher Columbus.
 302. Thirst—Morocco Prisoners.
 303. The Chief's Judgment.
Benner, Emmanuel, Paris.
 304. The Alarm.
 305. Solitude.
 305½ Japanese Chrysanthemums.
Beraud, Jean, St. Petersburg.
 306. Descent from the Cross.
Bergeret, Pierre-Denis, Paris
 307. War, Art, Religion.
 308. Music.
 309. The Dessert.
Bernier, Camille, Paris.
 310. Pines at Kerlagadic, Brittany.
Berteaux, Hippolyte, Paris.
 311. Return of a Deserter.
Berthelon, Eugene, Paris.
 312. A Port Life-boat Saving Men from the Boat Pauline, Wrecked on the Rocks near Grainval.
Berton, Paul-Emil, Paris.
 313. White Poplars in the Forest of Fontainebleau.
Bertrand, Paulin, Paris.
 314. Morning on the Seashore.
Bosnard, Paul-Albert, Paris.
 315. Two Ponies Harassed by Flies.
Beyle, Pierre-Marie, Chennevieres-sur-Marne.
 316. Life Saving from a Wreck.
Billotte, Rene, Paris.
 317. Winter Fog at the Courcelles Gate.
 318. Moonrise on the Canal, St. Denis.
Binet, Adolphe, Paris.
 319. The Lovers.
 320. The Close of Day.
Binet, Victor-Barthelemy, Paris.
 321. The Pont des Arts, Paris.
 322. Paris from the Gently Quarries.
Bisson, Elouard-Louis, Paris.
 323. The Ideal.
Riva, Henri, Paris.
 324. Tremier Roses, Place de Versailles.
Blanche, Jacques-Emile, Paris.
 325. The Host.
Bompard, Maurice, Paris.
 326. Entrance of Old Chetma, Oasis, near Biskra.
Bonheur, Rosa, Thomery.
 327. The King of the Forest.
 328. The Overthrow.
Bonnet, Leon-Joseph-Florentin, Paris.
 329. Portrait of Cardinal Lavigerie.
 330. Portrait of M. Renan.
 331. Portraits of Misses Minna and Florence Field.
Bennefoy, Adrien, Paris.
 332. The Nativity.
Bonnefoy, Henri, Paris.
 333. A Family Group. Sheep.
Bordes, Ernest, Paris.
 334. The Ribbon-Maker.
Bouchor, Alfred-Jean, Paris.
 335. The Old Road of Berville.
Bouchor, Joseph-Felix, Paris.
 336. April.
Bouguereau, William-Adolphe, Paris.
 337. The Women at the Tomb.
 338. Our Lady of the Angels

DEPARTMENT K.—FINE ARTS.

339. The Wasp's Nest.
Boulard, Emile-Alexandre, Paris.
340. Close of the Mass.
Bourgain, Gustave, Paris.
341. Return on Board.
Bourgeois, Eugene-Victor, Neuilly.
342. Fishermen's Hut.
Bourgogne, Pierre, Sèvres.
343. Spring Flowers.
Bourgonnier, Claude, Paris.
344. Temptation.
Boutigny, Emile, Paris
345. Bonaparte in Italy.
346. Combat in a Village.
Bramtot, Alfred-Henri, Paris.
347. Job's Comforters.
348. The First Communion.
Bremont, Jean-Louis, Paris.
349. A Wave.
Brest, Fabius, Paris.
350. The Rialto Bridge, Venice.
Breton, Jules-Adolphe, Paris.
351. The Pardon of Kergoat.
352. Breton Woman.
353. Young Girls Going to the Procession.
Brispot, Henri, Paris.
354. Returning from a Breton Pardon.
Brouillet, Andre, Paris.
355. Portrait of Mlle. Darland.
Brun, Charles, Paris.
356. The Wife of the Levite of Ephraim.
Brunet, Jean, Levallois-Perret.
357. Return of the Wedded Couple.
Buland, Eugene-Jean, Charly.
358. Propaganda.
359. The Apprentice's Lesson.
Burgkan, Mlle. Berthe, Paris.
360. A Widow.
Burnard, Eugene, Paris.
361. In High Pasture Grounds.
Busson, Charles, Paris.
362. Old Touraine Quarries.
363. The Port of Lavardin.
Cagnard, Emile, Paris.
364. Snow on Montmartre, Paris.
Cain, Georges-Jules-Auguste, Paris.
365. A Barricade of 1830.
Cain, Henri, Paris.
366. At the Louvre Museum.
Caraud, Joseph, Paris.
367. The Grandmother.
Carolus - Duran, Emile - Auguste, Paris.
368. Portrait of Madame A.
369. Portrait of Madame G. F.
370. Portrait of Madame J. H.
Carrier - Belleuse, Louis - Robert, Paris.
371. At the Capstan.
Cave, Jules-Cyrille, Paris.
372. A Martyr in the Roman Catacombs.
Chaigneau, Jean-Ferdinand, Paris.
373. Moonrise.
374. A Summer Evening.
Chalon, Louis, Paris
375. Circe.
Chaperon, Eugène, Paris.
376. Soldiers Bathing.
Charpentier, Gaston, Paris.
377. A Stolen Kiss.
Chartran, Theobald, Paris.
378. Portrait of His Holiness Pope Leo XIII.
379. Evening at Berck-sur-Mer.
380. The Interrupted Fishing.
Clairin, Georges, Paris.
381. Drum-Major of the French Army
Feeding Pigeons in St. Mark's
Square, Venice.
Clary, Eugène, Paris.
382. The Reader.
Claude, Eugène, Paris.
383. A Parisian Carriage. (Flowers.)
Claude, Jean-Maxime, Paris.
384. Cross Purposes.
Collin, Raphael, Paris
385. Youth.
386. Portrait of My Father.
387. On the Sea Coast.
Costeau, Georges, Paris.
388. Decorative Panel—A Day in Autumn.
Courant, Maurice-Francis-Auguste,
Poissy.
389. A Coming Storm.
390. The Bight of Saint Guenole.
Courtois, Gustave, Neuilly-Paris.
391. A Fortunate One.
392. Portrait of Madame Gauthereau.
Couturier, Leon, Paris.
393. At the Capstan—"Heave Round."
Dameron, Emile-Charles, Paris.
394. Growing Flowers on the Cape of
Antibes.
Damoye, Pierre-Emmanuel, Paris.
395. Sunset Over the Marshes of Tremble-
levif.
396. Breton Wheat Fields.
Dantan, Edouard, St. Cloud.
397. A Restoration.
398. "The Poor People."
Dardoize, Emile, Paris.
399. The Spring.
Dargent, Jan, Creac'h Andre.
400. Breton Night Spectres.
Dastugue, Maxime, Paris.
401. An Anniversary.
Dauphin, Eugène, Paris.
402. The Iphigenia in the Roadstead of
Toulon.
David Nillelt, Germain, Paris.
403. October.
David De Sauzea, Jean, Paris.
404. At the Inn.
Dawant, Albert-Pierre, Paris.
405. Close of the Mass.
Debat - Ponsan, Edouard - Bernard,
Paris.
406. Noon.
407. In My Greenhouse.
Delacroix, Henry-Eugène, Paris
408. Awakening.
409. Sea Birds and Wave.
410. The Enchanted Hour.
Delance, Feurgard, Paris.
411. In the Garden.
Delance, Paul-Louis, Paris.
412. Decorative Panel; Water.
Delobbe, François-Alfred, Paris.
413. Breakfast After the Bath.
Delort, Charles-Edouard, Paris.
414. The Recruiting Sergeant.
Dely, Camille, Paris.
415. Washerwomen at Sunrise.
Demont, Adrien-Louis, Montgeron.
416. Lillies.

FRANCE.

417. Winter in Flanders.
 418. Youth.
Demont-Breton, Mme. Virginie, Montgeron.
 419. A Drenching.
 420. Daybreak.
 421. In Wonderland.
Detaille, Edouard, Paris.
 422. A Passing Regiment.
 423. Attack on a Convoy.
Deully, Eugène - Auguste-François Paris.
 424. Dreams and Facts.
 425. Venus Wounded.
Deyrolle, Theophile-Louis, Concarneau.
 426. Fishers Setting Out, Concarneau.
Dieterle, Georges-Pierre, Paris.
 427. The Cavalry at Criquebeuf.
Doucet, Lucien, Paris.
 428. Portrait of Mlle. M. du M. C.
 429. Portrait of Mlle. Yvonne L.
 430. Skaters.
Dubufe, fils, G., Paris.
 431. The Virgin's House.
 432. A Nest.
 433. The Ant.
Dubuisson, Albert, Paris.
 434. The Park at Versailles in Winter.
Duez, Ernest-Ange, Paris.
 435. Jesus Walking on the Water.
Duffaud, Jean-Baptiste, Paris.
 436. Portrait of my Mother.
Dufour, Camille, Paris.
 437. Auteuil Quay, Paris.
Dulac, Charles, Paris.
 438. The Fish Market.
Dumaresq, Charles-Edouard-Armand, Paris.
 439. Beranger's Song, "He was There, Grandmother."
Dumoulin, Louis, Paris.
 440. The Glycine Fêtes at Tokio.
Dupain, Edmond-Louis, Paris.
 441. The Passerby.
Dupre, Julien, Paris.
 442. Valley of the Durdent.
Durst, Auguste, Puteaux.
 443. The Siesta.
 444. Turkeys.
Duverger, Theophile - Emmanuel, Ecouen.
 445. Intemperance.
Eliot, Maurice, Paris.
 446. Life in the Fields.
 447. The Mills.
Fath, Rene-Maurice, Paris.
 448. A Swamp in April.
Ferrier, Gabriel, Paris.
 449. Portrait of Jules Claretie.
 450. Portrait of Mlle. O.
 451. The Guardian Angel.
Feyen, Eugène, Paris.
 452. The Cancale Regatta.
Flameng, Francois, Paris.
 453. The Flight into Egypt.
 454. Portrait of Madame X.
 455. Target Practice in the Trenches in Dieppe.
Flameng, Marie-Auguste, Paris.
 456. A Dock at Antwerp.
Fleury, Mme. Fanny, Paris.
 457. Young Girl.
Fonvielle, Ulric de, Paris.
 458. An Eclipse of the Moon.
Fouace, Guillaume Romain, Paris.
 459. Fish.
Foubert, Emile, Paris.
 460. The Banks of the Seine at Vetheuil.
Fourié, Albert, Paris.
 461. In the Sunshine.
 462. Spring.
Fournier, Hippolyte, Paris.
 463. The Convalescent Young Mother.
Fouerier, Louis-Ferdinand, Paris.
 464. Washington and his Mother.
Franzini D'Issoncourt, Charles-Henry-Michel, Paris.
 465. Portrait of the Countess.
Frappa, Jose, Paris.
 466. The Return of Missionary.
Frere, Carles-Edouard, Paris.
 467. A Market at Sarcilles.
Friant, Emile, Paris.
 468. Shadows Lifted.
 469. Portrait of Antonin Proust.
Gagliardini, Julien-Gustave, Paris.
 470. A Foggy Morning.
 471. High Noon in Provence.
Galerie, Prosper, Paris.
 472. Valley of the Loire at Chateaudun
Garaud, Gustave-Cesaire, Paris.
 473. The Sluice.
Gautier, Amand, Paris.
 474. Still Life.
Gelibert, Jules-Bertrand, Cape Breton.
 475. Bear Hunt.
Gerzme, Jean-Leon, Paris.
 476. Serpent Charmer.
 477. Edipus.
 478. A Street in Cairo.
Gervex, Henri, Paris.
 479. Portrait of Mlle. B.
 480. Mignon.
 481. Portrait of Doctor Evans.
Gigoux, Jean, Paris.
 482. Portrait of M. A. Caubert.
 483. A Reaper.
Gilbert, Rene, Paris.
 484. Fisherman.
Gilbert, Victor-Gabriel, Paris.
 485. Good Fishing.
 486. The Horoscope.
Girard, A., Paris.
 487. The Dew.
Girard, Firmin, Paris.
 488. Guests at a Fête on a Bressan Farm.
 489. The Finest Plants.
Girardot, Louis-Auguste, Paris.
 490. Happy They Who Die in the Lord.
 491. The Nomads.
Glaize, Pierre-Paul-Leon, Paris.
 492. Lucia, the Italian.
 493. A Signal.
Glaize, Auguste-Barthelemy, Paris
 494. The Blind Man and the Paralytic.
 495. The First Steps.
Godin, Francoise-Augustine-Marguerite, Paris.
 496. A Symphony in White.
Goeneutte, Norbert, Paris.
 497. The Morning Soup
Gorguet, Auguste-Francois, Paris.
 498. Contemplation.

DEPARTMENT K.—FINE ARTS.

- Gosselin, The late Charles.
 499. Landscape.
 Goubie, Jean-Richard, Paris.
 500. Through the Woods.
 Grolleron, Paul, Paris.
 501. A Capture in 1793.
 Guay, Gabriel, Paris.
 502. The Little Cardinal.
 Gueldry, Joseph-Ferdinand, Paris.
 503. The City Laboratory, Paris.
 Guignard, Gaston, Paris.
 504. Scouts in Flight.
 Guignery, Gustave-Alfred, Paris.
 505. Snow on the Plateau of the Fairies' Pool, Fontainebleau.
 Guillemet, J. B., Antoine, Paris.
 506. The Loing at Moret.
 507. The Bay of St. Vaast.
 Guillon, Adolphe-Irenee, Paris.
 508. Under the Walnut Trees at Vezelay in Spring.
 509. **Guillon, Eugene-Antoine, Paris.**
 Portrait of M. G. A. E.
 Guillou, Alfred, Paris.
 510. "My Little Brother."
 Hareux, Ernest-Victor, Grenoble.
 511. Valley of the Lyr at Bagneres-de-Luchon.
 Henner, Jean-Jacques.
 512. Portrait of my Brother.
 513. Slumber.
 514. Lola.
 Hermann, Leon Charles, Paris.
 515. Boar on the Farm.
 Hirsch, Auguste-Alexandre, Paris.
 516. Moresque on a Tomb.
 Isembart, Emile, Besancon-Beauregard.
 517. On the Banks of the Doubs.
 Iwill, Marie-Joseph, Paris.
 518. November Evening.
 Jacob, Stephen, Paris.
 519. Bathers.
 Jacomin, Marie-Ferdinand, St. Germain-en-Laye.
 520. Landscape.
 Jamin, Paul-Joseph, Paris.
 521. The Luncheon.
 Jan-Montchablon, Ferdinand, Paris.
 522. Meadows and Woods.
 523. The Flowery Way.
 Japy, Louis, Paris.
 524. An October Evening in the Somme Valley.
 Jeannot, Pierre-Georges, Paris.
 525. Young Girl with a Boa.
 526. Kitchen-Garden.
 Jolyet, Philippe, Bayonne.
 527. Mignon.
 Joubert, Leon, Paris.
 528. The Mill Cottage at Clairefontaine.
 Jourdeuil, Adrien, Paris.
 529. Twilight and October Moon on the Banks of the Seine.
 Kreutzer, Alexandre-Ferdinand, Marlotte.
 530. Forest of the Deluge, Fontainebleau.
 Kreider, Alexis, Paris.
 531. Fruit.
 Krug, Edouard, Paris.
 532. Oedipus and Antigone.
 Lagarde, Pierre, Paris.
 533. The Close of Day.
 534. The Habitation.
 La Haye, Alexis-Marie, Nimes.
 535. The Little Claude, A Provençal Interior.
 536. Olive Grove on a Summer Evening.
 Lamy, P. Franc, Paris.
 537. Flowery Spring.
 Landelle, Charles, Paris.
 538. Young Girl of Toumourth, Algiers.
 Laroche, Amand, Paris.
 539. The Compact of Faust.
 La Touche, Gaston, Saint-Cloud.
 540. Strike of Miners.
 541. A Feast Day.
 Laugee, Desire-Francois, Paris.
 542. The Day of the Poor.
 Laugee, Georges, Paris.
 543. In the Springtime of Life.
 Laurens, Jean-Paul, Paris.
 544. The Seven Troubadours.
 545. Christopher Columbus.
 La Villette, Mme. Elodie, Lorient.
 546. The Sea, Port Blanc, Quiberon.
 Layraud, Joseph-Fortune, Valenciennes.
 547. Portrait of Liszt, made at Rome, 1869.
 Lebayle, Charles, Paris.
 548. The Shepherd and the Sea.
 Le Blant, Julien, Paris.
 549. The Return of the Regiment.
 LeCamus, Louis, Paris.
 550. The Seashore at Cape Martin.
 Lecomte, Victor, LaVarenne-St.-Hilaire.
 551. The First Heir.
 Leenhardt, Max, Paris.
 552. Mary Magdalen.
 Lefebvre, Jules, Paris.
 553. La Cigale.
 Leloir, Maurice, Paris.
 554. Manon Lescaut.
 555. Fleeing Protestants, 1685.
 Lemaire, Mme. Madeleine, Paris.
 556. The Fairies' Car.
 557. The Fall of the Leaves.
 558. Prunes.
 Lepere, Auguste-Louis, Paris.
 559. A Late September Twilight.
 Le Poittevin, Louis, Paris.
 560. On the Beach.
 561. The Road of La Courtine.
 Leroy, Paul-Alexander-Alfred, Paris.
 562. The Blind Men of Jericho.
 Leroy D'Etiolles, Mme. Helen, Paris.
 563. Diana.
 Le Senechal De Kerdreoret, Gustave-Edmond, Paris.
 564. Cancaise Women Returning from the Oyster Beds After a Storm.
 Lessore, Henri-Emile.
 565. The Modest Mother.
 Levy, Henri-Leopold, Paris.
 566. The Death of Eurydice.
 Le Liepyre, Maurice, Paris.
 567. The Fishing Party.
 Lhermitte, Leon-Augustin, Paris.
 568. Haying.
 569. Repose.
 570. The Friend of the Lowly.
 Loewe-Marchand, the late Frederic, Paris.
 571. Myrrha.

FRANCE.

- Loustaunau, Louis-Auguste-Georges, Paris.
 572. Presentation of the Standard to Recruits.
 573. Bridge Work at Bougival.
 Lucas, Felix-Hippolyte, Paris.
 574. Born of a Virgin.
 Luminais, Evariste-Vital, Paris.
 575. End of a Romance.
 576. Sixteenth Century Chasseurs.
 Luminais, Mme. Helene, Paris.
 577. Decorative Figure, Erato.
 Lunois, Alexandre, Paris.
 578. Last Rays.
 Machard, Jules, Paris.
 579. Garden Party.
 Maignan, Albert, Paris.
 580. The Birth of the Pearl.
 581. William the Conqueror.
 582. The Siren's Couch.
 Maillart, Diogene-Ulysse, Paris.
 583. Joan of Arc Listening to the Voices.
 Marais, Adolphe.
 584. The Saulee.
 585. Returning Home.
 Martin, Jean-Guillaume-Henri, Paris.
 586. A Lie.
 587. Spring.
 588. Young Saint.
 Mathey, Paul, Paris.
 589. First Trial.
 Merlot, Emile-Justin, Paris.
 590. Herds in the Marshes of the Somme.
 Michel, Marius, Paris.
 591. Photograph of a Mummy.
 592. A Pastel Painter.
 Monginot, Charles, Paris.
 593. A Medallist.
 Montenard, Frederic.
 594. On the Brink of the Well.
 595. Under the Arbor.
 Montzaigle, Edgard de, Paris.
 596. Five O'Clock.
 Moreau, Adrien, Paris.
 597. The Bath.
 Morlau De Tours, Georges, Paris.
 598. Carnot at Wattignies.
 599. Morphiomania.
 600. Morlon, Antoine-Paul-Emile, Paris.
 The Struggle for Life.
 Morot, Nicolas-Aime, Paris.
 601. "Bravo, Toro!"
 602. Prisoner.
 Moteley, Jules-Georges, Paris.
 603. Old Washing Place at Clecy.
 Motte, Henri-Paul, Neuilly-sur-Seine.
 604. Circe Changing the Companions of Ulysses into Swine.
 Mousset, Pierre-Joseph, Saint-Mande.
 605. The Toilet.
 Moutte, Alphonse, Marseilles.
 606. In the Sunshine.
 607. Entrance to the Harbor of Marseilles
 Moyses, Edouard, Paris.
 608. The Arrival at the Synod.
 Muenier, Jules-Alexis, Paris.
 609. Algerian Women on the Housetops.
 610. Fine Days.
 611. On the Bridge.
 Munier, Emile, Paris.
 612. The Cold Bath.
 Muraton, Louis, Paris.
 613. Portrait.
 Nardi, Francois, Paris.
 614. Mistral Wind Blowing on the Sea.
 Nemoz, J. B. Augustin, Paris.
 615. On the Brink of the Abyss.
 Noiroit, Emile, Roanne.
 616. The Loire at the Falls of Perron.
 Nozal, Alexandre, Paris.
 617. Wheat Shocks near Lecuyer Farm
 Etretat.
 618. In the Bay of Mont Saint-Michel.
 Olive, Jean-Baptiste, Paris.
 619. The Isle of Maire, near Marseilles.
 Otemar, Edouard d', Paris.
 620. Corner in a Studio.
 Paradis, Adrien, Paris.
 621. Hector Berlioz.
 Paris, Alfred, Paris.
 622. In Full Flight.
 Paris, Camille, Paris.
 623. Ancient Gate of the Tiber at Rome.
 Peraire (late), Paul, Paris.
 624. Buckwheat in Bloom, Banks of the Loire.
 Pelouze (the late), Leon-Germain, Paris.
 625. Environs of Jumieges.
 626. Street of Avanne (Doubs).
 627. The Mill of Chatel-Cuzance (Doubs).
 Ferrault, Leon, Paris.
 628. Young St. John.
 629. Sappho.
 Perret, Marius, Paris.
 630. The Smala of Taadmit, South Algerian.
 Perret, Aime, Paris.
 631. Distribution of Prizes.
 632. The Old Shepherd.
 Petitjean, Edmond, Paris.
 633. Village in Champagne.
 634. Landscape in Lorraine.
 Peyrol, Bonheur, Paris.
 635. Cows on the Beach.
 Pezant, Aymar, Paris.
 636. Road of Vaudancourt.
 637. Portrait of a Man.
 Pointelin, Auguste-Emmanuel, Paris.
 638. Blue Mountain.
 639. Fine Morning.
 640. An October Evening.
 Priou, Louis, Paris.
 641. Satyr Under Shelter.
 Pujol, Paul, Paris.
 642. The Place de L'Institut.
 Quignon, Fernand-Just, Paris.
 643. Moyettes.
 644. The Plain in Twilight.
 Quinton, Clement, Paris.
 645. Saint Maur.
 646. Coming Out of the Quarry.
 Quost, Ernest, Paris.
 647. Decorated Panel, Flowering Laurels.
 648. My Birds.
 Rachou, Henri, Paris.
 649. Portrait.
 Ravenne, Gustave, Paris.
 650. At Low Tide.
 Raffaelli, Jean-Francois, Paris.
 651. The Grandfather.
 652. The Peasants of Plougasnou, Brittany.
 653. In the Plains, Horses on the Road.

DEPARTMENT K.—FINE ARTS.

654. **Realier-Dumas, Paris.**
 Luncheon Under the Trees.
Renard, Emile, Paris.
 655. Retreat by Torchlight.
Richemont, Alfred-Paul-Marie de, Paris.
 656. Sacrifice.
Richet, Leon, Paris.
 657. Plain of Morat, near Fontainebleau.
Rigolot, Albert-Gabriel, Paris.
 658. The Banks of the Doubs.
 659. Snow in the Forest of Fontainebleau.
Rixens, Andre, Paris.
 660. Don Juan in Hell.
Robert-Fleury, Tony, Paris.
 661. Portrait of Robert-Fleury.
 662. Under Louis XVI.
Roche-grosse, Georges, Paris.
 663. The Spoil.
 664. The Affianced.
Roger-Jourdain, Paris.
 665. Yachting.
Roll, Alfred-Philippe, Paris.
 666. Young Girls.
 667. Women on the Grass.
 668. Trotting.
Rondel, Henri, Paris.
 669. Portrait of James Gordon Bennett.
Rongier, Mlle. Jeanne, Paris.
 670. Portrait of Madame Alexandre Nozal and her Son.
Ronot, Charles, Paris.
 671. The Dead Conversing in the Other World.
Rosset-Granger, Paris.
 672. Young Girls Chasing Butterflies.
 673. Flotsam and Jetsam.
 674. Evening at a Fete in Provence.
Roussin, Georges, Paris.
 675. Portrait of Mademoiselle L. T.
Roy, Marius, Paris.
 676. Zouaves and Fort Soldiers on Duty.
Royer, Lionel, Paris.
 677. Love and Psyche.
Rozier, Dominique, Paris.
 678. A Convent at Dieppe.
Sain, Edouardi, Paris.
 679. Nanarella.
Sain, Paul-Jean-Marie, Paris.
 680. The Chalky Road near Avignon.
Saintin, Henri, Paris.
 681. Portrait of Professor Charcot.
Saintin, Jules-Emile, Paris.
 682. Reverie.
Saint-Germier, Joseph, Paris.
 683. Close of a Bull Fight at Seville.
 684. Holy Week at Seville.
Saint-Pierre, Gaston-Casimir, Paris.
 685. Soudja Sari.
 686. The Fortunate One.
Saubes, Daniel-Leon, Paris.
 687. Marat, Friend of the People.
Sautai, Paul-Emile, Paris.
 688. Meditation.
Sauzay, Adrien-Jacques, Paris.
 689. Village in Lorraine, Banks of the Mouzon.
Scherrer, Jean-Jacques, Paris.
 690. Ducal Despremenil Mobbed by the Populace; 1793.
Sinibaldi, Paul, Paris.
 691. Salammbo.
 692. A Daughter of Rajahs.
- Surand, Gustav, Paris.**
 693. St. George and the Dragon.
 694. Annam Tiger.
Tanzi, Leon, Paris.
 695. Spring.
Tattegrain, Francis, Paris.
 696. Worm Hunter at Daylight.
Tavernier, Paul, Paris.
 697. Pikeman Sounding the Retreat from the Water.
Thiollet, Alexandre, Paris.
 698. Mouth of the Seine at Villerville.
Thirion, Eugene-Romain, Paris.
 699. Cupid and Psyche.
 700. "The Boats do Not Return."
Thomas, Paul, Paris.
 701. First Commencement.
Thurner, Gabriel, Paris.
 702. My Start in Hunting.
Tissot, James, Paris.
 The Prodigal Son. Two paintings.
 703. The Departure.
 In a Strange Land.
 704. The Return.
 The Fatted Calf.
Thys, Gaston, Paris.
 705. A Bather.
Tournes, Etienne, Paris.
 706. Very Sleepy.
Truchet, Abel, Paris.
 707. Place de la Concorde, Paris.
Trupheme, Auguste, Paris.
 708. A Singing Lesson in a Public School in Paris.
Umbricht, Honore, Paris.
 709. In the Vosges Mountain.
Valadon, Jules-Emmanuel, Paris.
 710. Mater Dolorosa.
Vauthier, Pierre-Louis, Paris.
 711. At the Fete of the Esplanade of the Invalides.
Veyrassat, Jules-Jacques, Paris.
 712. The Last Load of Wheat.
Vimont, Edouard, Paris.
 713. Wicked War.
 714. The Death of Archimedes.
Vuillefroy, Felix de, Paris.
 715. In the Basque Country.
 716. Winter Pastures.
 717. An Inn in Old Castille.
Weber, Jean-Joseph, Paris.
 718. Flushing.
Weerts, Jean-Joseph, Paris.
 719. The Muscadine Hero.
 720. Portrait of Boucher-Cadart.
 721. Portrait of Fermin Javel.
Weisz, Adolphe, Paris.
 722. The Gallant Chasseur.
Wencker, Joseph, Paris.
 723. Basilissa.
 724. Portrait of M. Boulanger, Iron Master.
 725. Portrait of a Young Woman.
Yarz, Edmond, Paris.
 726. Statue of Colleone, Venice.
 727. A Spring Morning near Paris.
Yon, Edmond-Charles, Paris.
 728. A Cemetery in the Downs of Camiers-sur-Mer.
Yperman, Louis, Paris.
 729. Saint Cecelia.
Yvon, Adolphe, Paris.
 730. Portrait of President Carnot.

FRANCE.

731. Zillhardt, Jenny, Paris.
Spleen.
Zuber, Jean-Henri, Paris.
732. Under the Beeches.
733. Evening Fog.
734. Pasture Land in the Jura.
Zwiller, Auguste, Paris.
735. A Lesson at the Institute for the Blind
Children at Ilzach.
- GROUP 143.**
- Engravings and Etchings; Prints.**
Engravings and Lithographs.
- Alasoniere, Henri, Paris.
The Return.
Annedouche, Alfred-Joseph Paris
737. The Virgin.
Ardail, Albert, Paris.
738. Portrait of Madame Jarre.
739. The Little Girl and the Shepherds'
Crook.
Bahuet, Alfred, Paris.
740. Juan Prim.
Baude, Charles, Paris.
741. The Old Woman.
742. A. Dumas, Jr.
Baudoin, Franck, Paris.
743. A Drinker.
Bazin, Léon, Paris.
744. Erasmus.
Boilvin, Emile.
745. General Moreau.
746. The Bibliophiles.
747. Portrait of Mme. L. S.
Boutelié, Louis, Paris.
748. Portrait of Beatrice D'Este.
749. Annunciation of the Virgin.
Bracquemond, Felix, Sèvres.
750. David.
751. The Lost Chance.
752. The Water Drawers.
Brunet-Debaines, Louis, Rouen.
753. St. Peter's Church at Caen.
754. Willows Whiten, Aspens Quiver.
755. View of Venice.
Buhot, Felix, Paris.
756. Westminster Bridge.
Burney, François-Eugene, Paris.
757. Chocolate Woman.
758. Monseigneur de Segur.
Chaigneau, Ferdinand, Paris.
759. A Warm Day.
Chapon, Léon-Louis, Paris.
760. The Last Judgment.
Chauval, Theophile, Paris.
761. The Storm.
Damman, Benjamin-Auguste-Louis,
Paris.
762. The Reapers.
Danguin, Jean-Baptiste, Paris.
763. The Virgin.
764. Young Woman at Her Toilet.
765. Rembrandt's Sisters.
766. Portrait of Pius VII and Cardinal
Caprara.
Deblois, Charles-Théodore, Varanne-
Saint-Hilaire.
767. Interviewing.
Decisy, Eugène, Paris.
768. Oatmeal Broth, Breton House.
Delauney, Alfred-Alexandre, Paris.
769. Chartres Cathedral.
770. Mont St. Michael.
Delavallée, Henri, Paris.
771. Angelique at Her Window.
772. Snow Effect.
Derbier, Emile-Louis, Paris.
773. Grandmother.
Deville, Maurice, Paris.
774. Head of a Young Girl.
Desmoulins, Fernand, Paris.
775. The Empress.
776. Justice.
777. Portrait of Anne of Cleves.
778. Poetry.
779. Portrait of M. Thiers.
Didier, Adrien.
780. Justice.
781. Poetry.
782. Portrait of M. Thiers.
783. Portrait of Anne of Cleves.
Dillon, Henri-Patrice, Paris.
784. The Shower.
Dubouchet, Henri-Joseph, Paris.
785. Charon's Bark.
786. The Divine Tragedy.
Flameng, Leopold, Paris.
787. Shepherd.
788. The Glorification of Law.
789. Grolier at the Printer Alde's House.
Focillon, Victor-Louis, Paris.
790. The End of the Book.
791. Corner of the Farm.
Froment, Emile, Paris.
792. Portrait.
Froment, Eugene, Paris.
793. The Sheriffs.
Gaujean, Eugene, Paris.
794. Frame with two Colored Engravings—
Souvenir and The Abandoned One
Gautier, Armand.
795. Friday's Promenade.
796. Portrait of M. Delyenne.
Gilbert, Achille.
797. The Big Stag.
798. The Boars.
Goeneutte, Norbert, Paris.
799. Maud.
800. Venice from the Slavonic Quay
Guérard, Henri, Paris.
801. Rock Crystal Vase.
802. Portrait of my Mother.
803. The Bridge at Mantes.
Guichard, Mlle. Louise, Paris.
804. The Harbor of Dunkirk.
Gusman, Pierre, Paris.
805. Hill-Bobb.
Jacque, Frederic, Paris.
806. Herd of Sheep.
Jacquet, Achille, Paris.
807. The Report.
808. The Flag Painter.
809. The Sharpshooters.
Jacquet, Jules, Paris.
810. Portrait of the Sergeant.
811. "1814."
812. "1807."
Jacob-Bazin, Madame, Paris.
813. Springtime.
Laguillermie, Frederic - Auguste,
Paris.
814. The Children of Van Dyck
815. Portrait of Helen Fournent.
816. The Young Duke.

DEPARTMENT K.—FINE ARTS.

817. Lalauze, Adolph.
The Halt.
 818. Lamotte, Alphonse, Paris.
The States' General, June 23, 1789.
 Lecouteux, Lionel, Paris.
 819. The Lunch.
 820. End of the Summer.
 821. Return from the Bear Hunt—Stone Age.
 Lepere, Auguste, Paris.
 822. Cathedral of Rouen.
 823. Fete at the Tuilleries.
 824. Close of Parliament at London.
 Lessore, Henri-Emile, Paris.
 825. Portraits of E. Morin and Jules Janin.
 Levasseur, Jules-Gabriel, Paris.
 826. The Cervarolles.
 827. The Oath of the Horatio.
 Leveille, Auguste, Paris.
 828. Bust of Dalou.
 829. Inauguration of the Opera.
 830. Bust of Baudry.
 Levy, Gustave.
 831. Virgin with a Veil.
 832. Melody.
 Louveau-Rouveyre, Mme., Paris.
 833. Portrait of Andre Vesale.
 Lunois, Alexandre, Paris,
 834. Wine.
 835. A Dutch Woman of Volendam.
 836. Night Worship.
 Manesse, Georges-Henri, Paris.
 837. Portrait of Madame Beereystine.
 838. Supposed Portrait of Louis del Rio's Wife.
 Mongin, Augustin, Paris.
 839. The Order.
 840. The Song.
 Pannemaker, Stephane, Paris.
 841. Young Girl.
 842. The Dream.
 Patricot, Jean, Neuilly-sur-Seine.
 843. Portrait of Raphael's Mother.
 844. The Vision of Ezekiel.
 Poncet, Jean-Baptiste, Lyon.
 845. Adam and Eve.
 846. The Burning Bush.
 847. Birth of Jesus.
 848. The Entry into Jerusalem.
 849. Jesus Ascending Calvary.
 Poynot, Mlle. Gabrielle, Paris.
 850. Reverie.
 Rapine, Francois, Boulogne-on-the-
Seine.
 851. Rabbi, Commenting on the Bible.
 Robert, Charles, Paris.
 852. Portrait of Queen Isabel.
 Rousseau, Alfred, Paris.
 853. The Lost Travelers.
 Sirouy, Achille, Paris.
 854. The Sleeping Jesus.
 855. The Descent from the Cross.
 856. Venus and Adonis.
 Sulpis, Jean-Joseph.
 857. Staircase of the Opera House.
 Sulpis, Emile-Jean, Paris.
 858. Saint Sebastian.
 Tissot, James, Nantes.
 859. The Prodigal Son, The Departure,
In a Foreign Land, The Return.
 860. The Fatted Calf.
 Villemsens, Adrien, Noisy-le-Grand,
Seine-et-Oise.
 861. Marriage of Charles VII and Anne
de Bretagne.
 Vintraut, Frederic-Godefroy, Havre.
 862. The Bohemian Girl.
 863. A Man's Head.
**Drawings, Pastels, Water Colors and
Miniatures.**
 Allonge, Auguste, Paris.
 864. Descent Into Wolf Hollow, Fontaine-
bleau.
 865. The Fairies' Pool, Fontainebleau.
 Bida, Alexandre, Paris.
 866. Christ Resurrecting the Daughter of
Jairus.
 867. Six Water Colors for an Edition of
Shakespeare.
 Biva, Henri, Paris.
 868. Roses and Nasturtiums.
 Bonnefoy, Adrien-Adolphe, Paris.
 869. The Water Color Painter.
 Contal, Jeanne, Paris.
 Seven Miniatures on Ivory, framed:
 870. The Letter.
 871. Young Girl.
 872. Portrait of M. M. C.
 873. The Smile.
 874. Portrait of Emil T.
 875. Portrait of M. T.
 876. Young Girl with a Boa.
 Bellanger, Camille-Felix, Paris.
 877. Portrait of Mme. B.
 Cagniard, Emile, Paris.
 878. Place de la Concorde, Paris.
 879. Place du Chatelet, Paris.
 Cazin, Mme. Marie, Paris.
 880. Meditation.
 D'Argence, Eug., Paris.
 881. Moonlight.
 Houssay, Mlle. Josephine, Paris.
 882. Portrait of Madame A. D. S.
 Houbron, Frederic, Paris.
 883. Village Idyl.
 Iwill, Marie-Joseph, Paris.
 884. Morning.
 885. An April Evening in Fontainebleau
Forest.
 Laurens, Jean-Paul, Paris.
 886. Set of Drawings Illustrating Merovin-
gian History.
 Mirmont, Mlle. Renee de, Paris.
 Six Ivory Miniature Portraits:
 887. Portrait of Mlle. H. de M.
 888. Portrait of Count C.
 889. Two Portraits of Children.
 890. Portrait of a Young Girl.
 891. Portrait of Countess S.
 Mouren, Henry, Paris.
 892. Banks of the Sarthe, Morning.
 893. Twilight on the Sarthe.
 Pointelin, Auguste-Emmanuel, Paris
 894. Banks of the Ain.
 895. Oak, Twilight.
 896. Plateau of Saint-Laurent (Jura).
 Raffaelli, Jean-Francois, Paris.
 897. Neapolitan Fruit Seller and his Don-
key.
 898. Flowers and Fruit.
 Renouard, Paul, Paris.
 899. The President of the Senate at Wash-
ington, Senators, Metropolitan Club,
Cosmos Club.

FRANCE.

900. Speaker of the House and Newspaper Correspondents.
901. Committee of Ways and Means, Committee of Appropriations.
Richard, Mme. Hortense, Paris.
Girl Sleeping.
Miniatures on Ivory.
902. Little Girl at Prayer.
903. Portrait of the Countess of D.
904. Painting on Porcelain.
905. A Venetian Lady.
Rehin, Victorine, Paris.
906. Vittoria Colonna.
Salard, Mme. Celine, Paris.
907. Poppies.
Thierat, Mlle. Melitine, Paris.
908. Five Miniatures, Framed:
Young Woman of the Directory, Walking.
Young Woman under the Consulate.
Study of a Young Girl.
Portrait of Mlle. J. R.
Portrait of M. R.
- Society of French Water Color Artists.**
Bethune, Gaston, Paris.
909. A Parisian Woman.
910. Fort of Villefranche.
911. Belfry at Bruges.
912. Cathedral at Antwerp.
913. On the Escaut at Antwerp.
914. Beech at Blanckenberghe.
915. Lake Bourget, Savoy.
916. A Parisian Woman.
Boutet de Monvel, Maurice, Paris.
917. A Fairy Tale.
918. Salome.
919. The Curate is going out.
920. A Timid Visitor.
921. Portrait of a Child.
Clairin, Georges, Paris.
922. At Seville.
923. Venice in the Last Century.
Claude, J. Max, Maisons-Laffitte.
924. Souvenir of Rotten Row, London
Claude, Georges, Paris.
925. Adoration of the Cross, Good Friday at Monte-Cassino, Italy.
926. A Neapolitan Song.
Courant, Maurice-Francois-Auguste, Poissy.
927. On the Strand.
928. The Joyous Bay.
929. The Fish Tank, Concarneau.
Detaille, Edouard, Paris.
930. Kakemono—Winter.
Illustrations for the new edition of "The Theatre" by Emile Augier.
931. 1. The Adventuress.
932. 2. Gabrielle.
933. 3. Mlle. Baretta as Celia.
934. 4. Mme. Plessis as Clorinda.
Escalier, Nicolas, Paris.
935. A Farm at Loir et Cher; Starting for the Market.
Learning how to Fish.
Gros, Lucien, Poissy.
936. The Quay, Honfleur.
937. The Bravi.
938. Horses Drinking.
Jeannot, Pierre-Georges, Paris.
939. Troopers on the March.
940. At the Cafe.
- Lemaire, Mme. Madeleine, Paris.
941. A Ball in 1830.
942. "Farewell."
Moreau, Adrien, Paris.
943. Grape Picker.
944. The Vow.
945. A Game of Chess.
946. Plunderers.
Penne, Olivier de Paris.
947. Gordon Setters.
948. Griffons.
Pujol, Paul, Paris.
949. St. Mark's Plan.
950. Pont de la Concorde.
Rivoire, Francois, Paris.
951. Autumn Flowers.
952. The Overturned Basket.
Rochegrosse, Georges, Paris.
953. The Poet.
Roulet, Gaston, Paris.
954. Field Valley.
955. The Old Port of Toulon.
Tenre, Henri, Paris.
956. Reading.
957. The Secret.
958. Church of St. Remy, Rheims
959. The Well.
960. A Cotillon.
Toudouze, Edouard, Paris.
961. The Rocker.
Yon, Edmond-Charles, Paris.
962. The Burgundy Gate, Moret.
963. Moret from the Right Bank of the Loing.
964. Cape Monaco, from the Heights Above.
Zuber, Jean-Henri, Paris.
965. A Summer Day on the Dunes near Granville.
966. In the Mountains, near Sion, Switzerland.
967. Garden of the Tuilleries.
- Society of French Pastel Artists.**
Billotte, Rene, Paris.
968. Twilight, Road of St. Medard-en-Jalle.
969. Vicinity of Paris, a Bastion.
970. Moonrise, Quarries of Saint Denis.
Blanche, Jacques-Emile, Paris
971. The Guest.
972. The Awakening of the Little Princess.
Cazin, Mme. Marie, Paris.
973. Summer.
Cheret, Jules, Paris.
974. Columbine.
Dubufe, Guillaume, fils, Paris
975. Slumber.
Eliot, Maurice, Paris.
976. Sitting for a Portrait.
Helleu, Paris.
977. Portrait of Mlle. X.
Jeannot, Pierre-Georges, Paris.
978. Moonrise.
979. A Reader.
Lagarde, Pierre, Paris.
980. Evening at Vieux-Moulin.
La Touche, Saint-Cloud.
981. The Perfume of Flowers.
Montenard, Paris.
982. Alpine Regiment on the March in Provence.
983. The Pont de Gard, Provence.

DEPARTMENT K.—FINE ARTS.

984. Moreau, Adrien, Paris.
Shepherd.
Nozal, Alexandre, Paris.
985. Moonlight.
986. Ice Gorge in the Seine.

987. The Sea at Etretat.
Rosset-Granger, Edouard, Paris.
988. Nocturne.
Tissot, James, Paris.
989. Portrait of Miss C.

GERMANY.

GROUP 139.

Sculpture.

- Baumbach, Max, Berlin.**
1. Siesta.
2. Violin Player and His Love.
Baerwaldt, Rob., Berlin
3. Emperor William I.
4. Emperor William I. (Loaned by the Royal Academy of Berlin.)
Begas, Prof. Reinhold, Berlin.
5. Bust of "Menzel." (Marble.)
6. Bust of "Moltke." (Marble.) (Loaned by the National Gallery of Berlin.)
Begas, Prof. Carl, Berlin.
7. Sisters. (Marble.)
8. Faun and the Infant Bachus. (Marble.) (Loaned by the National Gallery of Berlin.)
Bergmeier, C. A., Steglitz-Berlin.
9. Table-service. (Bronze.)
Bernewitz, C., Berlin.
10. You Must Dance. (Bronze.)
11. Psyche. (Bronze.)
Bräuer, Peter, Berlin.
12. Spring. (Bronze.)
Brossman, Prof. Gustav, Dresden.
13. Fettered Psyche. (Marble.)
14. Battle of Centaurs. (Marble-relief.)
Brütt, Ad., Berlin.
15. "Eve." (Marble.) (Loaned by the National Gallery of Berlin.)
16. "Saved." (Bronze.)
17. "Phryne." (Bronze.)
18. "Bathing Girl." (Bronze.)
Calandrelli, Prof. A., Berlin.
19. Nymph. (Bronze.)
Dobbertin, O., Hamburg.
20. Resting Boy. (Marble.)
Dorn, Carl, Berlin.
21. Idealism. (Bronze.)
22. Materialism. (Bronze.)
23. Fountain Figure; Swan Group. (Bronze.)
Eberlein, Prof. G., Berlin.
24. Thorn-puller. (Marble.) (Loaned by the National Gallery of Berlin.)
Elster, G., Braunschweig.
25. Ave Maria. (Terra cotta.)
26. Saint John. (Terra cotta.)
Epler, Heinar, Dresden-A.
27. Gleaner. (Marble.)
Heidepriem, T., Berlin.
28. Sleep. (Marble.)
29. In the Shooting Stand. (Zinc cast.)
30. As the Kennel of a Badger. (Zinc cast.)
Herter, Prof. E., Berlin.
31. A Fish Rarely to be Met With. (Bronze.)
32. In the Depth of the Sea. (Plaster.)
33. Moses Destroying the Tables of Law. (Oakwood.)
Hilgers, Prof. C., Berlin.
34. Christ Healing the Sick Ones. (Plaster-relief.)
35. Christ Healing the Daughter of Jairus. (Plaster-relief.)
36. Small Model of the Dusseldorf Warriors—Monument. (Bronze.)
Hirt, Prof. Joh., Munich.
37. Andromeda. (Marble.)
Hischen, Ernst, Berlin.
38. Statuette; Man with Dogs. (Bronze.)
Hölbe, Rud., Dresden-A.
39. The Ratcatcher of Hamelo. (Bronze.)
Hultzsck, Prof. Hermann, Dresden.
40. Echo. (Bronze.)
Hundrieser, Emil, Charlottenburg.
41. Peace. (Plaster.)
Geiger, N., Berlin, Wilmersdorf.
42. Labour. (Plaster.)
Geiger, Mrs. H., Berlin, Wilmersdorf.
43. Bust of the Madonna. (Marble.)
Glaufügel, Otto, at present at Rome.
44. Italian Fisher Boy. (Zinc cast.)
45. Italian Oyster Dealer. (Bronze.)
Götz, T., Berlin, Schöneberg.
46. Balancing Boy. (Bronze.)
47. Female Water Drawer. (Bronze.)
48. Boy with Hoop. (Zinc cast.)
Kahle, Miss Anna von, Berlin.
49. Sleeping Child. (Marble.)
50. Bacchus. (Majolica.)
Kiesewalter, H., Berlin.
51. Horse Statuette. (Bronze.)
Klein, Max, Berlin.
52. Lady's Head. (Marble.)
53. Deathly Embrace—A Man Struggling With a Lion. (Bronze group.)
Kruse, Max, Berlin.
54. The Messenger From Marathon. (Bronze.)
55. Marble bust.
56. Portrait of Miss B.
Kruse, Bruno, Berlin.
57. Head of a Nymph. (Marble.)
58. Prince Bismarck. (Bronze.)
59. Field-Marshal von Moltke. (Bronze.)
Landsberg, Max, Berlin.
60. English Thoroughbred. (Bronze.)
61. English Thoroughbred. (Bronze.)
62. Cow from the Wilster-marsh. (Bronze.)
Lepcke, Ferd., Berlin.
63. Listener. (Marble.)
64. Listener. (Bronze.)
Lock, Michel, Berlin.
65. Spartacus. (Plaster.)

GERMANY.

- Manthe, A. M., Berlin.**
 66. Emperors William I and Frederic III. (Zinc-cast group.)
Maison, Rud., Munich.
 67. Negro Riding on an Ass. (Plaster.)
Moser, Prof. Jul, Berlin.
 68. Emperor William II. (Bronze-statuettes.)
Musch, Leo, Dusseldorf.
 69. Faith. (Marble tomb-figure.)
Nowak, Leopold, Hanau.
 70. Venus and Amor. (Bronze.)
 71. Female Bacchant and the Infant Bacchus. (Bronze-cast.)
Oches, Franz, Berlin, Wilmersdorf.
 72. Emperor William I. (Marble.)
 73. Emperor William II. (Marble.)
Ockelmann, Robert, Dresden.
 74. Girl Putting on Sandals. (Bronze.)
 75. Returning Young Fisherman. (Bronze.)
 76. Female Bacchant. (Bronze.)
Ohmann, R., Berlin.
 77. Female Bust. (Marble.)
Otto, Prof. Paul, Berlin.
 78. Vesta Priest. (Loaned by the National Gallery of Berlin.)
Ernst, Paul, Dresden.
 79. Fastening Sandals. (Marble.)
Piper, Carl, Berlin.
 80. Bust of a Pilot. (Bronze.)
Riesch, Otto, Berlin.
 81. Song of Praise. (Bronze.)
 82. Mignon. (Marble.)
 83. Victory. (Bronze.)
 84. Grown Poor. (Bronze.)
Rosse, Franz, Berlin.
 85. Lili. (Marble.)
Rumpf, Carl, Frankfort-on-the-Main.
 86. Adam and Eve. (Bronze.)
Schott, Walter, Berlin.
 87. Bust of the late Professor de Alma. (Plaster.)
 88. Female Figure. (Marble.)
 89. Bust of a Child. (Marble.)
 90. Bust of my Wife. (Plaster.)
 91. Developed. (Plaster.)
 92. Bust of Emperor William II. (Plaster.)
 93. Bust of Prince Stolborg-Wernigerode. (Plaster.)
Schulz, Prof. Moritz, Berlin.
 94. Modern Roman Lady. (Marble.)
Siemering, Prof. R., Berlin.
 95. Victory. (Bronze.)
 96. Statue of Bismarck on Horseback. (Plaster.)
 97. Statue of Moltke on Horseback. (Plaster.)
 98. Statue of Crown Prince Frederic. (Plaster.)
 (The last three statues are loaned by the National Gallery of Berlin.)
Sommer, Prof. August, Rome.
 99. Old Harry Catching Flies. (Bronze.)
Starck, Constantin, Berlin.
 100. Boy Playing Flute. (Bronze.)
Steinemann, H., Berlin.
 101. A City Sergeant. (Bronze.)
 102. Ancient German. (Bronze.)
 103. Ancient Roman. (Bronze.)
Stuck, Franz, Munich.
 104. Athlete. (Bronze.)
Toberentz, R., Berlin.
 105. Resting Herdsman. (Bronze.) (Loaned by the National Gallery of Berlin.)

- Tubbecke, Franz, Berlin.**
 106. Drinking Boy. (Bronze.)
Turpe, Paul, Berlin.
 107. Laughing Boy. (Marble.)
 108. Boy and Cat. (Bronze.)
Uechtritz, Cunno von, Berlin.
 109. Morning. } Bronze Chandeliers for
 110. Evening. } Electric Lighting.
 111. Two Wall Figures in Bronze for Electric Lighting.
 112. Head of a Girl. (Marble.)
Unger, Max, Berlin.
 113. Fisherman. (Zinc cast.)
Uphnes, T., Berlin.
 114. Archer. (Bronze.)
Vordermeyer, M., Berlin.
 115. Domestic Industry. (Oak wood.)
Wagmüller, Mich., Munich.
 116. Portrait of Justus von Liebig. (Plaster.)
Wenck, E., Berlin.
 117. Amorous Faun. (Bronze.)
Wind, Joh., Munich.
 118. Female Juggler. (Bronze.)

GROUP 140.

Paintings in Oil.

- Achenbach, Prof. Oswald, Dusseldorf.**
 119. Scene near Naples (Moonlight).
Adam, Franz, Munich.
 120. The Battle of Orleans.
Adam, Julius, Munich.
 121. High School.
Alberts, J., Berlin.
 122. "The Captain's Wife."
 123. "A Confession on Hallig Oland."
 124. "Alone."
Albrecht, C., Hamburg.
 125. An Evening Song.
Andorff, Paul, Hanau.
 126. A Village in the Spessart.
Andersen-Lundby, Anders, Munich.
 127. Winter Evening.
Arnold, Prof. Herm., Weimar.
 128. My Little Mother.
Arnz, Albert, Dusseldorf.
 129. Still Life; Morass Birds.
Arp, Karl, Kiel.
 130. A Bridge in Saalfeldt.
Asperger, Max, Weimar.
 131. A Bridge at Berka.
Bachmann, Hans, Dusseldorf.
 132. The Morning After the Wedding (Switzerland).
Baisch, Prof. Herm., Karlsruhe.
 133. Spring Day in Bavaria.
 134. Sheep in the Sand Dunes.
Baur, Prof. Albert, Dusseldorf.
 135. The Martyr's Daughter (scene from the Christian prosecution under the reign of Diocletian).
Bantzer, Carl N., Dresden, Strchlen.
 136. Spring Day.
 137. In the Garden.
Beeck, Theodore, Dusseldorf, v-d.
 138. A Cigarette Manufactory.
 139. On the Heights.
Becker, Prof. Carl, Berlin.
 140. Venetian Doge Festivity. (Loaned by National Gallery of Berlin.)
Becker, Carl, Berlin.
 141. Vedette.
Becker-Gundahl, Munich.
 142. Forsaken.

DEPARTMENT K.—FINE ARTS.

- Behmer, Herm., Weimar.
143. Reconvalescent.
- Behrend, Friedr., Karlsruhe.
144. Evening in Lithuania.
- Bergmann, Jul., Karlsruhe.
145. Under the Willow Trees.
146. Returning Home.
147. Cziko's (Hungarian Shepherd).
Bernuth, E. von, Dusseldorf.
148. A Cañon.
- Biedermann, Ernst, Karlsruhe.
149. Falling Leaves.
- Biedermann-Arendts, Miss Hermine,
Freising a-Graben.
150. The First Booty.
- Blau, Miss Tina, Munich.
151. Autumn.
152. Yard in St. Veit near Vienna.
- Block, Jos., Munich.
153. In the Twilight.
- Bluhm, Oscar, Karlsruhe.
154. Reveries.
- Blume, Ed., Munich.
155. Candle Light.
- Bockelmann, Ch. Ludw., Karlsruhe.
156. The Village on Fire.
- Boddien, G. von, Kl. Zschochwitz, near
Niedersedlitz.
157. The Battle is Over.
158. Pandures Reconnoitering.
- Bohrdt, Hans, Berlin.
159. Hamburg Pilotes.
- Bombach, W., Berlin.
160. Tunisian Town.
- Bombach, F., Berlin.
161. Railroad Crossing.
- Borchardt, F., Dresden.
162. Uncle Testator.
- Bohme, Karl, Karlsruhe.
163. View from the Lighthouse at Skom-
vaer.
- Berkemeier, Ludolf, Weimar.
164. After the Shower (Dutch Landscape).
Bracht, Prof. E., Berlin.
165. Mount Sinai.
166. Before the Walls of Jerusalem.
- Braith, Prof. Anton, Munich.
167. A Fresh Drink.
168. The Pets of the Peasant's Wife. (Loaned
by the State of Bavaria.)
Brandt, Prof. T. V., Munich.
169. The Sudden Attack. (Loaned by the
State of Bavaria.)
Brandt, F., Rome.
170. Tivoli near Rome.
171. The Dome at Tivoli.
- Brausewetter, Prof. O.
172. Our Saviour.
- Bredt, Ferd. Max, Munich.
173. Two Gazelles.
174. A Sudanese Girl.
- Brendel, Prof. A. M., Weimar.
175. Tug Horses.
- Brütt, Ferdinand, Dusseldorf.
176. In the Picture Gallery.
- Bunke, Franz, Weimar.
177. Brick Manufactory in Mecklenburg.
178. Before the Townlet.
- Buttersack, Bernh., Munich
179. A Nice Day.
- Des Condres, Adolf, Karlsruhe.
180. Brook with Alders.
- Cramer, Miss Helene, Hamburg.
181. Clematis.
- Cramer, Miss Molly, Hamburg.
182. Peaches.
- Crola, Prof. Hugo, Dusseldorf.
183. Industrious Sisters.
- Dahl, Hans, Berlin.
184. Sunday Morning in Norway. (Time
for Church Going.)
Daelen, Ed., Dusseldorf.
185. High Flown Madness.
- Defregger, Prof. Franz v., Munich.
186. Sunday Quietness.
187. Rokibâr.
188. Dancing Begins.
- Deiters, H., Dusseldorf.
189. At the Brook.
- Delug, A., Munich.
190. In the Month of March.
- Dettmann, L., Berlin.
191. Genesis iii.
("Thorns and thistles shalt thy field
bring forth to thee—in the sweat of
thy face shall thou eat bread, for
thou returnest unto the ground, for,
out of it wast thou taken.")
Dieffenbacher, Aug., Munich.
192. A Heartrending Return.
- Dirks, Andreas, Weimar.
193. In the Harbor.
- Douzette, L., Berlin.
194. Moonlight Night in Spring.
195. Autumn Evening.
- Ducker, Prof. Eugen, Dusseldorf.
196. Summer Evening.
- Eberle, Ad., Munich.
197. Boarders.
- Eckenbrecher, Th. von, Berlin.
198. Norwegian Waterfall.
- Eckenaes, John, Munich.
199. Fishing in Norway.
200. A Bridge in Norway.
- Ehrentraut, Prof. J., Berlin.
201. A Fleeced One.
- Eichfeld, Herm., Munich.
202. Morning in August.
- Eschke, Prof. Herm., Berlin.
203. The Swedish Coast at Toreko.
- Eschwege, E. von, Weimar.
204. Early Spring.
- Esser, Theodor, Karlsruhe.
205. Landscape.
- Fahrbach, C. L., Dusseldorf.
206. A Black Forest Mill.
- Falat, J., Berlin.
207. Bear Hunting.
(Loaned by the National Gallery of
Berlin.)
Feldmann, Louis, Dusseldorf.
208. Incredible Thomas.
- Flad, G., Munich.
209. A Garden.
- Flamm, Albert, Dusseldorf.
210. Italian Women.
- Fleischer, Fritz, Weimar.
211. Old Wife and Dog.
212. Devotion.
- Flickel, Paul, Berlin.
213. Forest Solitude.
- Fink, Prof. Aug., Munich.
214. Evening.
215. Early Spring.

GERMANY.

216. Fischer-Cörlin, Berlin.
 Love Teases, Love Pleases.
 Frenzel, Oscar, Berlin.
 217. Cattle in the Marshlands of the River Elbe.
 Frey, Wilhelm, Munich.
 218. Cattle at the Brook.
 Freytag-Loringhoven, M. von, Weimar.
 219. Entering the Forest.
 Fricke, A., Berlin.
 220. On the Island of Rugen.
 221. On the Island of Sylt.
 Friedrich, Otto, Paris.
 222. The Death of Dante.
 Friese, Richard, Berlin.
 223. Lions in the Lagoon.
 Gable, Prof. Alois, Munich.
 224. Inoculators' Room. (Loaned by the State of Bavaria.)
 225. Brauschenke (Bavarian Inn).
 Geertz, Julius, Dusseldorf.
 226. Morning Prayer.
 227. The Little Freebooter.
 Edle von Geiger, Miss Fanny, Munich.
 228. Landscape—Spring.
 Gleichen Russwurm, L. von, Weimar.
 229. A Promenade.
 Genzmer, B., Berlin.
 230. The Village Playgrounds.
 Grethe, Prof. Carlos, Karlsruhe.
 231. The Spoiled Soup.
 232. The Fisher's Darling.
 233. At the Helm.
 234. The Last Chance.
 Grobe, German, Dusseldorf.
 235. German Landscape.
 Grützner, Prof. Ed., Munich.
 236. Monks at Supper.
 Gude, Prof. Hans, Berlin.
 237. Breakers.
 Gunther-Naumburg, Berlin, Charlottenburg.
 238. The Street Unter-den-Linden in Berlin.
 Gunther, Erwin, Dusseldorf.
 239. Strand near Scheweningen.
 Gysis, Prof. Nicol, Munich.
 240. Carnival in Greece.
 Hagn, Rich. von, Dresden.
 241. In the Vestry of St. Marco at Venice.
 Hagen, Prof. Theodor, Weimar.
 242. Cornfield.
 Hamacher, Willy, Berlin.
 243. Rocky Coast.
 Hammer, Erich, Weimar.
 244. Grandmother's Pet.
 Harrach, Prof. F., Count von, Tiefhartmannsdorf, near Schonau.
 245. Fallen Down from the Precipice. (Loaned by the National Gallery of Berlin.)
 Harburger, Edm., Munich.
 246. At the Spring.
 Hasemann, Wilh., Gutach Amt Wolfach.
 247. He is Coming.
 248. Girl from the Black Forest.
 Hartmann, Karl, Munich.
 249. Autumn Evening.
 250. Apple Fight.
 Hausmann, E., Wilmersdorf, Berlin.
 251. Homeless.
 Heichert, Otto, Dusseldorf.
 252. Theodor Körner After the Sudden Attack at Kitzen.
 Heilmann, Maz, Reussendorf, near Waldenburg in Silesia.
 253. Silesian Village Road in November.
 Heimes, Heinr., Dusseldorf.
 254. Sunset (North Sea).
 Hellwag, Rudolph, Karlsruhe.
 255. Northern Shores.
 256. Ruins of the Old Hanseatic Town Wisby.
 Henseler, Prof. E., Berlin.
 257. The Harvest Repast.
 258. Evening.
 Hermes, J., Berlin.
 259. Twilight.
 Herrmann, Hans, Berlin.
 260. The Fishmart in Amsterdam.
 Herrmann, Hienr., Dusseldorf.
 261. Dortrecht (Holland).
 Hertel, Prof. Alb., Berlin.
 262. Dante in the Alps.
 Herterich, Prof. Ludw., Munich.
 263. Saint George.
 Herzog, Lewis, Dusseldorf.
 264. A Morning in October.
 Heyle, Philipp H. G., Frankfort-on-the-Main.
 265. Before the Dissection.
 Heyser, F., Hurlzburg.
 266. Portrait of Professor Joachim.
 Hildebrand, Prof. E., Berlin.
 267. Queen Louise. (Loaned by the National Gallery of Berlin.)
 268. Tullia.
 Hirschler-Kunwald, Miss E., Weimar.
 269. My Studio.
 Hirt du Frènes, Munich.
 270. Portrait. (Owned by Wm. Chase, Esq., New York.)
 271. Head of a Girl.
 Hochhaus, C., Berlin.
 272. Navy-yard (Constructing H. M. S. Oldenburg).
 Hoecker, Prof. Paul, Munich.
 273. The Nun.
 274. On Board H. M. S. Deutschland.
 Hofer, Gottfr., Hamburg.
 275. The Dolomites in the Tyrol.
 Hoff, Karl, Karlsruhe.
 276. Children from the Black Forest.
 Hoffmann-Fallersleben, F., Berlin.
 277. Landscape—Autumn Day.
 Holmberg, Prof. Aug., Munich.
 278. "Pensative."
 279. "Genre."
 Hölzel, Ad., Dachau, near Munich.
 280. Domestic Devotion. (Loaned by the State of Bavaria.)
 Hummel, Theod., Munich.
 281. The Deathbed of the Mother.
 Huisken, Herm, Karlsruhe.
 282. My Pet Dog.
 Hünten, Prof. Emil, Dusseldorf.
 283. Billeting Troops.
 Jacobides, Prof. Georg, Munich.
 284. Afflictions.
 285. Portrait.
 Jrmer, Carl, Dusseldorf.
 286. Motive from the Island of Sylt.
 Janssen, Prof. Peter, Dusseldorf.

DEPARTMENT K.—FINE ARTS.

287. Portrait of the late Inspector Holt-
hausen. (Loaned by the govern-
ment.)
**Kalkreuth, Prof. L. Count von, Hock-
richt, near Wansen, Silesia.**
288. Portrait (Uncle Margres).
**Hermuth, Mrs. Margarethe, Kallmor-
gen, Karlsruhe.**
289. China Asters.
Kallmorgen, Prof. Fr., Karlsruhe.
290. Our Old Emperor.
291. Good Neighborhood.
292. Beginning of Spring.
293. Happy Childhood.
Kampmann, Gustav, Karlsruhe.
294. Falling Leaves.
295. The Amber Coast (Baltic).
Kaufmann, Hugo, Munich.
296. A Snuffer.
297. Girl's Head.
Kaulbach, Prof. Herm, Munich.
298. The Storyteller.
Kehr, Karl, Karlsruhe.
299. Evening.
**Keller Reutlingen, Paul Wilh.,
Munich.**
300. Summer Landscape. (Loaned by the
State of Bavaria.)
301. Summer.
Keller, Prof. Ferd., Karlsruhe.
302. Apotheosis. (Loaned by the National
Gallery of Berlin.)
Keitel, O., Muhlberg, Karlsruhe.
303. The Market Is Over.
Klein-Chevalier, Dusseldorf.
304. Inauguration of the Niederwald Mon-
ument in the Presence of Emperor
William I.
Kinsley, Nelson G., Karlsruhe.
305. Winter.
306. A Noble Sire.
Knabl, Karl, Munich.
307. Rafting on the River Tsar.
308. At Dawn.
Knaus, Prof. L., Berlin.
309. Portrait of Mounnsen. (Loaned by the
National Gallery of Berlin.)
310. Portrait of Hemholtz. (Loaned by
the Nationed Gallery of Berlin.)
311. The Fight Behind the Fence.
König, H., Munich.
312. At the Rivulet.
313. Going Home. (Loaned by the State
of Bavaria.)
Körner, Ernst, Berlin.
314. Gebel Schech, Haridi on the Nile.
Koner, Prof. Max, Berlin.
315. Portrait of His Majesty, Emperor
William II.
**Kornbeck, Julius, Castle of Oberen-
singen, near Mirtingen.**
316. In the Village.
Köster, Alexander, Karlsruhe.
317. Sunday Morning.
Kromberger, Carl, Munich.
318. A Lucky Man.
319. An Amusing Story.
Kröner, Prof. Christ, Dusseldorf.
320. The Troublesome Guest.
Kubierschky, Erich, Munich.
321. Spring Landscape near Munich.
Kune, L. Adam, Munich.
322. "Still life."
323. "Still life."
Kühl, Prof. Gotth, Munich.
324. Eine feste Burg ist unser Gott (a
sure stronghold is God). (German
song.)
Kurz-Gallenstein, August Munich
325. Sunday.
Langhammer, Arthur, Munich.
326. A Bite and a Sup. (Loaned by the
State of Bavaria.)
Lasch, Herm., Dusseldorf.
327. Evening.
Laupheimer, Anton, Munich.
328. St. Lukes.
Lehmann, Wilhelm, Karlsruhe.
329. Spring.
Lenbach, Prof. von, Munich.
330. Portrait of Prince Bismarck.
331. Portrait of Pope Leo. (Both loaned
by the State of Bavaria.)
Leistikow, Walther, Berlin.
332. Brickworks.
333. Ave Maria.
Lessing, H., Berlin.
334. The Sick Bed.
Ley, Miss Sophie, Karlsruhe.
335. Flowers.
Liebermann, Max, Berlin.
336. Dutch Village Road.
337. The Flax Barn.
Liesegang, H., Dusseldorf.
338. Mills at Dartrecht.
339. Country Road.
Lindenschmidt, Prof. W., Munich.
340. Anne Boleyn.
Linderum, Rich., Munich.
341. Deliberation.
Ludwig, Prof. Carl, Berlin.
342. Spring in the Genitz Valley in the Tirol.
343. Taubergrund in Franconia.
Malchin, Prof. Carl, Schwerin.
344. North German Landscape. (Loaned
by the National Gallery of Berlin.)
Marx, Gust, Dusseldorf.
345. A Party.
Massau, Edm., Dusseldorf.
346. A Spring Day.
347. The Standard Bearer.
Lerche, St. Vincent, Dusseldorf.
348. The Sign-Board Painter.
Matiegreck, Jos., Munich.
349. In the Waiting Room.
Meckel, Ad. v., Berlin.
350. Finding the Slain (Nubian Desert).
Menzel, Prof. A., Berlin.
351. The Rolling Mill. (Loaned by the
National Gallery of Berlin.)
Merker, Max, Weimar.
352. The Convent Garden.
353. Motive from Old Weimar.
Metzener, Alfred, Dusseldorf.
354. Tyrolese Landscape.
Meyer, Kunz, Munich.
355. A Legend.
Meyer, Prof. Claus, Karlsruhe.
356. The Old Fisherman.
Meyer-Basel, Karl Theodor, Munich.
357. Spring.
Meyer-Mainz, Paul, Munich.
358. A Matinee.
Meyerheim, Prof. Paul, Berlin.
359. A Menagerie. (Loaned by the Na-
tional Gallery of Berlin.)

GERMANY.

360. Cows in the Alps.
Meyer, Prof. Hans, Berlin.
361. Evening.
Max, Prof. Gabriel, Munich.
362. Katharina Emerich. (Loaned by the State of Bavaria.)
363. Visions.
Munsch, Josef, Munich.
364. The Conference.
Muhlig, Hugo, Dusseldorf.
365. Winter Day in the Eifel.
Müller, Carl W., Dresden-A.
366. German Forest.
Müller, P. P., Munich.
367. Beachwood in Autumn.
368. A Mele. (Loaned by the State of Bavaria.)
Müller, Kurzwelly, D. K., Berlin.
369. Winter Landscape.
370. After the Thunderstorm.
371. Breakers (Swedish Coast).
Nabert, Wilhelm, Dusseldorf.
372. Landscape from the Harz (Valley of the Ocker).
Neff, Friedr, Karlsruhe.
373. Vanity Fair.
Nelson, Ernst, Berlin.
374. Hard Times.
Neuhaus, Fritz, Dusseldorf.
375. The Little Tyrant.
Normann, A., Berlin.
376. Summer Night (Norway).
377. Narøfjord (Norway).
Oenicke, R., Blrine.
378. Palmwood in Paraguay.
Oehmichen, Hugo, Dusseldorf.
379. The Sisters.
380. Alone.
Olde, Hans, Seekamp.
381. Before Sunrise.
Oppler, Ernst, Munich.
382. Revery. (Loaned by H. R. H. the Prime Regent Lintpold of Bavaria.)
Palmier, Charles, Munich.
383. Autumn.
Papperitz, Georg, Munich.
384. Salome, the Daughter of Herodias.
Parlaghy, Mrs. Vilma, Berlin.
385. Portrait of Kossuth.
Petersen, Angeln, Dusseldorf.
386. At Sunset.
387. On the Beach (Holland).
Petersen, Flensburg, Dusseldorf.
388. Winter Evening.
Pietschmann, Max, Dresden N.
389. Polyphemus Fishing.
Plass, Ernst, Munich.
390. North Sea Strand.
391. Fishermen on the Baltic.
Pohle, Herm., Dusseldorf.
392. Castle in the Parks of Benrath.
Possin, Rud, Charlottenburg, Berlin.
393. Devotion.
Pötzsch, Paul, Dresden-A.
394. Italian Ropers.
395. Revery.
Plühr, Heinr., Weimar.
396. In the Sunshine.
Rasch, Otto, Weimar.
397. Council Chamber at Luneburg.
Rasmussen, Georg, Ant., Dusseldorf.
398. The Sognefjord.
Raupp, Prof. Karl, Munich.
399. Peace. (Loaned by the National Gallery of Berlin.)
Ravenstein, Paul von, Karlsruhe.
400. Umbrella Menders in Tivoli.
401. Serenade on the Canal Grande at Venice.
Riess, Paul, Weimar.
402. Norwegian Coast.
403. After the Storm (Moonlight).
Ritter, Wilh. G., Dresden-A.
404. Spring.
Ritter, Prof. Caspar, Karlsruhe.
405. Consolation by the Song.
406. After Bathing.
Rocholl The, Dusseldorf.
407. You Must First Catch a Man Before You Hang Him.
408. Avant-garde Fighting.
Röchling, Carl, Berlin.
409. A Man But Still a Baby.
Rodeck, Carl, Hamburg.
410. Evening in the Woods.
Roerber, Fritz, Dusseldorf.
411. The Holy Family.
412. King Wenzel Raging. (King Wenzel went on horseback one day through the street of Prague, accompanied by a hangman. Everybody whom he met and who displeased him was executed.)
Rohlf, Christian, Weimar.
413. The Sawmill.
Romann, Max, Karlsruhe.
414. Street near Tivoli.
Rosen, Jan, Munich.
415. The Battle of Stoezek, 1831.
Rouband, Prof. Franz, Munich.
416. Hay Time.
417. Prayer Before the Battle.
Rummelsbacher, J., Berlin.
418. The Tschapit Rivulet in the Tyrol.
Rusch, Dietrich, Weimar.
419. Interior.
420. North German Kitchen.
421. Landscape.
Ruths, Val., Hamburg.
422. Twilight. (Loaned by the National Gallery of Berlin.)
Saltzmann, Prof. Carl, Neubabelsberg.
423. Emperor William II Whaling on Board the Duncan Gray.
Schachinger, Gabr., Munich.
424. "In Vain."
Schaefer, M., Berlin.
425. Please Come.
Schauss, Prof. F., Berlin.
426. "Elegy."
Scherres, Prof. C., Berlin.
427. "Inundation." (Loaned by the National Gallery of Berlin.)
Scherres, Alfred, Karlsruhe.
428. Winter.
Schennis, F. von, Dusseldorf.
429. The Parks of Versailles.
Schenker, Jagues, Dresden-A.
430. At the River Ems.
Scheurenberg, Prof. J., Berlin.
431. Portrait of Teller. (Loaned by the National Gallery of Berlin.)
Schlabitz, A., Berlin.
432. "The Blind Ones in the Church."

DEPARTMENT K.—FINE ARTS.

433. "Morning Song."
Schleich, H., Berlin.
434. Braselet Bay (South Waies).
Schleich, Robert, Munich.
435. The October Festivity in Munich.
436. On the Highroad.
Schickhardt, Karl, Stuttgart.
437. In Suebia.
Schmidt, Friedr. M., Weimar.
438. Autumn.
439. Old Bridge in Italy.
Schmidt, Hans W., Weimar.
440. A Parade in Presence of the Emperor.
Schmidt, Prof. Max, Köigsberg, i-Pr.
441. Landscape from the River Spree. (Loaned by the National Gallery of Berlin.)
Schmitgen, Georg, Berlin.
442. Evening.
Schnars-Alguist, H., Berlin.
443. "S. S. Paris."
444. "Narrow Escape."
Schnitzler, Fritz, Dusseldorf.
445. Sheep Bathing.
Schönleber, Prof. Gust, Karlsruhe.
446. High Tide (Clovelly).
447. In the Lagoons of Venice.
Schönchen, Leopold, Munich.
448. In March.
Scholz, Richard, Frankfort-on-the-Main.
449. Fallen Down from the Precipice.
Scholtz, Prof. Julius, Dresden-A.
450. A Cavarian Song (Schnadahupfl).
451. Ave Maria.
Schrödl, Norbert, Frankfort-on-the-Main.
452. German Peasants' Vehicle.
Schröter, Wilh., Karlsruhe.
453. Summer Landscape.
Schuch, Prof. Werner, Kliecken near Coswig.
454. Emperor William II.
455. Parade.
Schulze-Naumburg, Paul, Karlsruhe.
456. Resignation.
Schutlze, Carl, Dusseldorf.
457. Heath Landscape.
Schuler, Max, Frankfort-on-the-Main.
458. Portrait of Pablo de Sarasate.
Schür, Theodor, Dusseldorf.
459. Winter Landscape (Moonlight).
Schivabe, E., Dusseldorf.
460. Cemetery.
Schweitzer, Ad., Dusseldorf.
461. Wintry Day in Germany.
Seel, Ad., Dusseldorf.
462. Arabian Yard in Cairo. (Loaned by the National Gallery of Berlin.)
Seiler, Prof. Carl, Munich.
463. The Sailor of Count Bröhl.
Leitz, Prof. Ant., Munich.
464. Music.
Seypel, C. M., Dusseldorf.
465. A Lumber-chamber of the Convent.
466. In the Streets.
Simm, Franz, Munich.
467. The Pride of the Family.
468. Birds of Bad Omen.
469. Skarbina, Prof. Franz, Berlin.
470. Bitter Words.
A New Book.
Sonderland, Fritz, Dusseldorf.
471. In the Knitting-school.
Smith, Prof. Carl Frithjof, Weimar.
472. Portrait of the Norwegian poet, Henrik Ibsen.
473. Children in the Nursery Garden.
Staats, Miss Gertrud, Breslau.
474. Before the Gate.
Stabli, Adolf, Munich.
475. Landscape from Upper Bavaria.
Stadler, Miss Toni, Chaim near Nymphenburg Munich.
476. Landscape.
Stahl, Fr., Berlin.
477. Cemetery in Winter. (Like the leaves in the woods so are generations of mankind—one grows, the other is going.)
Stahlschmidt, Max, Weimar.
478. The Mill-Garden.
Steinmetz, Fritz, Munich.
479. A "Solo."
Stetten, Carl von, Paris.
480. Italians in Paris.
481. Portrait of the Artist C.
Stockmeyer, Karl, Malsch Amt Ettlingen.
482. And St. Peter Went Away "And Wept Bitterly."
Stvecker, Miss Constanze, Munich.
483. My Sick Little Cat.
Stromeyer, Miss Helene, Karlsruhe.
484. A Wreath of Roses.
Strützel, Otto, Munich.
485. On the Heath.
486. A Sunny Day in March.
Stuck, Franz, Munich.
487. Pieta.
Sturm, F., Berlin.
488. Wreck Waiting for a Pilot.
Sturtzkopf, Franz, Weimar.
489. The Cooper's Workshop.
Spangenberg, L., Berlin.
490. The Valley of the Engadin.
Speyer, Christian, Munich.
491. The Parliamentair.
Spielter, C., Charlottenburg.
492. Shocking.
Spring, Alfons, Munich.
493. Fisherman's Home.
494. The New Hymn.
Thedy, Prof. Max, Weimar.
495. At the Spring.
496. Spring.
Thierbach, Rich., Stolberg.
497. Landscape (Evening).
Thumann, Prof. Paul, Berlin.
498. Psyche.
Truebner, Wilh., Munich.
499. Potato Field.
500. The First Trial.
Tübbecke, Paul, Weimar.
501. Pottery Market in Weimar.
Türcke, Rud. v., Dresden-A.
502. Landscape from the Riviera near Mentone.
Uhde, Prof. Fritz von, Munich.
503. The Annoucement to the Shepherds
504. Christmas Evening.

GERMANY.

- Ulrich, F., Berlin.
505. Wild Boars Challenging.
- Vautier, Prof. Benjamin, Dusseldorf.
506. At the Sick Bed. (Loaned by the National Gallery of Berlin.)
- Velten, Wilhelm, Munich.
507. Out Guard.
508. Courier.
- Völcker, Hans, Berlin.
509. Old Ferry near Stratsund.
- Volkman, Hans von, Karlsruhe.
510. Sheep Walking Home.
511. Autumn.
512. Going to the Fair.
513. The Shepherd's Rest.
514. The Kyll Valley near Geroldstein.
- Volz, Wilhelm, Munich.
515. Maria.
- Vorgang, Paul, Berlin.
516. After the Storm.
517. Evening at the Lake.
- Warthmuller, R., Berlin.
518. Evening (An Idyll).
- Wansleben, Arthur, Dusseldorf.
519. Landscape (Swamp).
- Weichberger, Eduard, Weimar.
520. Summer Evening.
521. Forest-Pond.
- Weishaupt, Victor, Munich.
522. Mount Ortler.
- Wenglein, Prof. Josef, Munich.
523. Chalkstone Gatherers in the River Tsar. (Loaned by the State of Bavaria.)
- Wentscher, J., Berlin.
524. Baltic Coast (Rügen).
525. Surf on the Baltic Coast.
- Werner, Prof. A. von, Berlin.
526. The Congress of Berlin.
- Werner, Prof. Fritz, Berlin.
527. Female Sutler.
- Wessel, Ludwig, Dusseldorf.
528. Inquiring Prebendarist.
- Wielandt, Manuel, Karlsruhe.
529. Italian Coast Scenery.
530. Summer Day at the Riviera.
- Willroider, Prof. Ludw., Munich.
531. Landscape from Upper Italy.
- Wimmer, Rud., Berlin.
532. Portrait of His Majesty, Emperor William II.
- Wodrinowski, Vincenz v., Munich.
533. Model Market in the Academy.
- Wopfner, Prof. Josef, Munich.
534. Jack Remains Home.
- Wywiorski, Michel G., Munich.
535. Black-cock Hunting in Lithuania.
- Zimmermann, Prof. Ernst, Munich.
536. The Egg of Columbus.
- Foff, Alfred, Munich.
537. Near Genoa.
- Tügel, Prof. Heinr., Munich.
538. Awaiting.
539. Hard Labour.
- GROUP 141.**
- Paintings in Water Colors.**
- Arnold, Karl, Weimar.
540. Siesta.
541. A Poor One and a Rich One.
- Barthel, P., Berlin.
542. Peace.
- Bartels, Prof. Hans von, Munich.
543. A Wave.
544. Moonlight Night at the French Coast.
- Behmer, Herm., Weimar.
545. Portrait of the Artist Sixt Thou.
- Bergmann, Tul., Karlsruhe.
546. A Czikos.
- Bombach, W., Berlin.
547. Winter in the Riviera.
- Breitbach, Carl, Berlin.
548. Fruitshop at Venice.
549. Crosspassage at Berchtesgaden.
550. Campiello San Barbara.
- Choulant, Th., Dresden-A.
551. Verona.
552. Trento.
553. Venice.
554. Torietto.
- Dammeier, Rud., Munich.
555. Tyrolese Peasants During a Mass.
- Dettmann, Berlin.
556. Spring.
557. A Fisherman's Village (Twilight).
558. Bridge in the Eiffel.
559. House on the Island of Nordermy.
560. German Forest Lake.
561. Hay Time.
- Deiters, H., Dusseldorf.
562. At the Mill-brook.
563. Village in Westfalia.
- Doepler, Professor, Berlin.
564. "The Beginning of the End." (Loaned by the National Gallery of Berlin.)
- Döring, Willy, Charlottenburg.
565. Portrait.
- Eckenbrecher, Th. v.
566. Street in Cairo.
567. On the Bosphorus.
- Eitner, Ernst, Hamburg.
568. Afternoon Sun.
- Falat, T., Berlin.
569. Italian Triffer.
- Fehr, Conrad, Berlin.
570. Pious Monk.
- Gleichen-Russwurn, Ludwig von, Weimar.
571. Orchard.
572. Autumn Landscape.
- Haber, Rudolf von, Dresden.
573. Still Life.
- Hein, Franz, Karlsruhe.
574. "Spring."
575. "Sweet-tooth."
- Herrmann, Hans, Berlin.
576. Dutch Harbor Scenery. (Loaned by the National Gallery of Berlin.)
577. The "Lindengracht" at Amsterdam.
578. The "Lingel" at Amsterdam.
- Hertel, Prof. Albert, Berlin.
579. Rapollo.
580. Gastein Nassfeld.
581. Evening on the Nassfeld near Gastein.
582. View from Monte Pincio.
583. Mentone and the Campo Santo.
584. Harbor of Mentone.
- Herzog, Lewis, Dusseldorf.
585. On the Rhine (Lowland).
- Herwegen, V. M., Munich.
586. The Temple of Antony.
587. View from Mount Palatin.
- Kallmorgen, Prof. Friedr., Karlsruhe.
588. Grandfather's Pets.

DEPARTMENT K.—FINE ARTS.

- Klimsch, Prof. Eugen, Frankfort-on-the-Main.
589. A Fan.
Kubierschky, Erich, Munich.
590. Spring (River Rhine).
591. Autumn (River Rhine).
Leistikow, W., Berlin.
592. Twilight.
593. A Wintry Day in the Mountains.
594. Autumn.
595. Summer.
Looschen, Hans, Berlin.
596. A Tavern in the Wood.
Lutteroth, Prof. Ascan, Hamburg.
597. The Titus-arch at Rome.
598. Mount Palatine at Rome.
599. Cassel St. Angelo.
600. St. Peter at Rome.
München, Adolf, Halle a-S.
601. In the Cloister.
602. Potato Dumplings.
Menzel, Prof. Adolf, Berlin.
603. A Squirrel.
604. Tree Trunk with Bird.
605. A Cacatoo.
606. The Blue Aras.
607. Chinese Women with Pheasants.
608. Designs for a Table Set for their R.H. the Crown Prince and Crown Princess. (Loaned by the National Gallery of Berlin.)
Normann, A., Berlin.
609. Evening (Norwegian Coast).
Pohle, Herm. Emil, Dusseldorf.
610. Four in Hand Eloping.
Reinecke, René, Munich.
611. In the Waiting-room (Central Station, Munich).
Rogge, Prof. Theod., Weimar.
612. Portuguesean Coast.
Schnee, H., Berlin.
613. Summer Morning.
Seliger, M., Berlin.
614. Parrots.
615. Elfs and Night-fires.
Skarbina, Prof. Franz, Berlin.
616. Christmas Fair.
617. Conversation. (Loaned by the National Gallery of Berlin.)
Stichart, Alexander, Dresden-Strehlen.
618. Apparitions.
Teschendorff, Prof. E., Berlin.
619. Old Peasant from Meran.
Völcker, Hans, Berlin.
620. Straits of Gibraltar.
Weichberger, Eduard, Weimar.
621. Village Garden in May.
Woltze, Prof. Berth., Weimar.
622. A Cotquean.
- GROUP 143.**
Engravings and Etchings, Prints.
- Barenfanger, Max, Munich.
623. John Chambers, Physician in Ordinary to King Henry VIII of England.
Etching after Holbein.
624. Portrait of a Young Wife. *Wood engraving* after fy Rals.
Behmer, Herm., Weimar.
625. Portrait of the poet Gust Kastruppe.
Berlepsch, Hans Ed von, Munich.
626. Indian Ink Drawings.
- Böttcher, F., Steglitz, near Berlin.
627. The Ascension. (After von Gebhardt).
Burger, Johann, Munich.
628. Aurora. (After Guido Reni.)
Eilers, Prof. G., Berlin.
629. Saint Cecil. (After Rubens.)
630. Portrait of Joachim.
631. Portrait of Menzel.
Erdmann, Mor., Munich.
632. Maderno on Lake Garda.
633. Near Bozen (Moonlight).
634. Near Berchtesgaden.
Feldmann, W., Berlin.
635. Evening in Westfalia.
636. The Castle "Em."
637. Six Drawings in Indian Ink.
Fichard, Max von, Baden Baden.
638. Three Etchings.
Heim, Heinz, Darmstadt.
639. A Series of Studies from Life.
Horte, Max, Berlin.
640. Columbus Scoffed by the Council of Salamanca.
Jahnke, Karl, Munich.
641. The Death of "Renard."
Koepping, Prof. C., Berlin.
642. Picture of an Old Man. (After Rembrandt.)
643. Summer Idyl.
Kohnert, H., Berlin.
644. Autumn Evening.
645. Spring Morning.
Krauskopf, Prof. Wilh., Karlsruhe.
646. Portrait.
647. Landscape.
Krostewitz, F., Berlin.
648. Landscape.
Kruger, A., Berlin.
649. Etchings After Ancient Masters.
Meyer, Prof. Hans, Berlin.
650. Copper Engraving (War).
651. Six Etchings (The Dance of Death).
Meyer-Basel, Carl Theod., Munich.
652. Original Etchings.
Oberländer, A., Munich.
653. Two Frames With Pencil Drawings.
Platow, Johannes, Berlin.
654. Pains Forgotten. (After Galloit.)
Art Association of the Rhinlands and Westfalia, Dusseldorf.
655. After the Struggle.
656. A Saloon—Tyrolian.
657. Sketch From the Rft.
658. A Service of Love.
659. The Sharpers.
660. With the Lawyer.
661. After the Funeral.
Raab, Miss Doris, Munich.
662. Portrait After Rembrandt.
Etcher Association, Weimar.
663. Fourteen Etchings.
664. Six Etchings.
Ritter, Horenz, Nurnberg.
665. St. Laurence Church at Nurnberg.
Schultheiss, Albrecht, Munich.
666. The Tributary Penny. (After Titian.)
Seitz, Prof. Otto, Munich.
667. Nine Pencil Drawings.
Struck, H., Berlin-Wilmersdarf.
668. The Village Destinies.
Stuck, Franz, Munich.
669. Fame.

GERMANY.

670. Thedy, Prof. Max, Weimar.
Chalk Drawings.

671. Pen and Ink Drawing.
672. Red Chalk Drawing.

GREAT BRITAIN.

GROUP 139.

Sculpture.

1. Allen, Charles J., London. 820
Repulsed.
2. Bates, Harry, A. R. A., London.
Endymion.
3. The Story of Psyche. 820
Brown, Miss B. A. M., Beckenham.
4. The Pearl. (Marble group.) 820
Dressler, Conrad, London.
5. Bacchante.
6. "Mewling and Puking in the Nurse's
Arms."
7. Girl Tying on Her Sandals. 820
Drury, Alfred, London.
8. The First Reflection. 820
Fehr, H. C., London.
9. Morning. 820
Ford, E. Onslow, A. R. A., London.
10. Statue of Henry Irving as "Hamlet."
11. Right Hon. W. E. Gladstone.
12. General Gordon on Camel. 820
Frampton, George, London.
13. Caprice.
14. Singing Girl.
15. St. Christina.
16. Mysteriarch. 820
Holiday, Henry, London.
17. Sleep. 820
John, W. Goscombe, London.
18. Morpheus.
19. Study of a Female Head. 820
Joy, Albert Bruce, London.
20. The Marquis of Salisbury.
21. The Archbishop of Canterbury.
22. Mrs. Mary Anderson Navarro.
Lee, Thomas Stirling, London.
23. Kiss of Dawn.
24. Bronze Medallion. 820
Leighton, Sir Frederick, Bart., P. R. A.,
London.
25. Needless Alarm.
26. The Sluggard. 820
MacLean, T. Nelson, London.
27. Tragedy.
28. Comedy.
29. La Source. 820
Montalba, Miss Henrietta S Venice,
Italy.
30. Boy Catching a Crab. 820
Montford, Horace, London
31. Threatened Reprisals.
32. The Birth of Venus. 820
Moore, Miss E. M., London.
33. Bust of a Child.
34. A Ruffian. 820
Palmer, Miss Ada M., Chigwell.
35. The Pied Piper of Hamelin. 820
Pomeroy, F. W., London.
36. Dionysius.
37. Giotto. 820
Rhodes, Roland, Newcastle.
38. Egyptian Harpist.

39. Youth's First Recognition of Love. 820
Swan, John M., London.
40. Tiger.
41. Lioness.
42. Leopard. 820
Thornycroft, Hamo, R. A., London.
43. The Mower.
44. Teucer.
45. Edward I.
46. Putting the Stone. 820
Toft, Albert, London.
47. The Right Hon. W. E. Gladstone. 820
Watts, G. F., R. A., London.
48. Clytie. 820
Woolner, Thomas, R. A., (the late).
Bust of Lord Tennyson.
49. Bust of Carlyle.
51. Bust of Cardinal Newman.
52. Bust of Right Hon. W. E. Gladstone.
53. Medallion Portrait of Lord Tennyson. 820

GROUP 140.

Paintings in Oil.

- Allen, Robert W., R. W. S., London.
54. Lowlands of Holland.
55. Pilgrims Resting, India.
Alma Tadema, Miss Anna, London.
56. A Portrait.
Alma Tadema, L., R. A., London.
57. A Dedication to Bacchus.
58. An Audience at Agrippa's.
59. The Sculpture Gallery.
Alma Tadema, Mrs., London.
60. Battledore and Shuttlecock.
61. Fireside Fancies.
62. Always Welcome.
Archer, James, R. S. A., London.
63. St. Agnes, one of the Early Christian
Martyrs.
Armitage, E., R. A., London.
64. After an Entomological Sale.
65. Faith.
Armstrong, T., London.
66. A Fountain.
67. A Music-piece.
Aumonier, J., R. I., London.
68. An English Wood.
Baden-Powell, F., London.
69. The Wooden Walls of Queen Victoria.
Portraits of the last of England's
wooden bulwarks, lying off Ports-
mouth dockyard, about 1840. The
"Britannia," of 120 guns, on the right,
was flagship of the port; the two-
decker being the "London," of 92
guns, whilst the central three-decker,
drying her sails, is the "Queen," of
110 guns; and on the extreme left
lies the fast-sailing frigate, "Are-
thusa."
70. Barber, C., Burton, London.
"Lieder ohne Worte."

DEPARTMENT K.—FINE ARTS.

71. The New Whip.
Barclay, Edgar, London.
72. "Hush."
73. A Breeze in the New Forest.
Barnes, Robert, A. R. W. S., Brighton.
74. Her First Visit.
Bartlett, Charles W., London.
75. An Incident in the Life of the Dauphin during the French Revolution.
Bartlett, W. H., London.
76. Practicing for the Swimming Match.
77. The Village Billiard Players.
78. A Wrack Harvest.
Bates, David, Birmingham.
79. The Sphinx.
Bayliss, Wyke, P. R. B. A., London.
80. Interior of Amiens Cathedral.
81. Interior of St. Peter's, Rome.
Beadle, James Prinsep, London.
82. Masquerade.
83. In the Pas de Calais.
Beavis, Richard, A. R. W. S., London.
84. A Stampede in the Highlands.
Belgrave, Percy, London.
85. Combe Valley, near Morwenstow.
Bigland, Percy, London.
86. Portrait of the Countess Cairns.
Boughton, G. H., A. R. A., London.
87. Dancing Down the Hay.
88. Winter Sunrise.
89. Love in Winter.
Bourdillon, Frank W. Dorking.
90. On Board the Revenge.
91. "T was in '55."
Bramley, Frank, Penzance.
92. A Hopeless Dawn.
93. "For of Such Is the Kingdom of Heaven."
Brangwyn, Frank, London.
94. The Convict Ship.
95. Pilots, Peurta de Passages.
Brett, John, A. R. A., Putney.
96. The Highland Summer.
97. The Promise of a Wild Night.
98. "Some Fall on Stony Ground."
Brown, Ford Madox, London.
99. Romeo and Juliet.
100. Wicliff on Trial.
Brown, Frederick, London.
101. "When the Evening Sun is Low."
Burgess, J. B., R. A., London.
102. The Spanish Letter-Writer.
103. The Church Door.
104. "Maidens, Like Moths, Are Ever Caught with Glare."
Butler, Lady.
105. The Roll Call.
Calderon, W. Frank, London.
106. "Fire."
Calderon, P. H., R. A., London.
107. Farewell.
Caldecott, Randolph (the late).
108. Hunting Scene.
Calkin, Lance, London.
109. "The Campbells are Coming."
Calthrop, Claude, London.
110. Attempted Assassination of William the Silent, Prince of Orange.
Cameron, Hugh, S. R. A., Largo, Scotland.
111. Kilmeny Coming Back from Fairyland.
112. Buttercups and Daisies.
- Canziani, Madame Louisa Starr, London.**
113. Two Little "Home Rulers," the Hons. Dudley and Archie Gordon, sons of the Earl of Aberdeen.
Carter, Samuel J. (the late).
114. Midnight Ride of Herne the Hunter and His Band in Windsor Forest.
Carter, William, London.
115. Portrait of Wm. Sheppard Hoare, Esq.
116. Portrait of G. Trenchard Cox, Esq.
Charles, James, Bosham.
117. In Memory Of.
118. Left in Charge.
119. A Frosty Morning.
120. Jack at Home.
Charlton, John, London.
121. The Royal Jubilee Procession Passing Through Trafalgar Square.
122. Incident in the Charge of the Light Brigade.
Childers, Miss Milley, London.
123. The Last Survivor of Trafalgar.
Clark, James, London.
124. The Favorite.
125. Early to Bed.
Clark, Joseph, London.
126. The Sick Child.
127. Waifs and Strays.
128. Playmates.
Clausen, George, R. I., Newport.
129. Ploughboy.
130. Brown-eyes.
131. Women of the Field.
132. The Breakfast Table.
133. Ploughing.
Cohen, Miss Ellen G., London.
134. A Little Refugee from Russia.
Coke, Alfred Sacheverel, Isle of Wight Hagar.
135. Cole, Vicat, R. A. (the late).
136. Abingdon.
137. Ripening Sunbeams.
Collier, The Hon. John, London.
138. The Death of Cleopatra.
139. Circe.
Corbet, Mrs. M. Ridley, London.
140. On the Coast near Pisa.
Corbet, M. Ridley, London.
141. The Carrara Mountains.
142. The Mouth of the Arno.
Crane, Walter, London.
143. Freedom.
Davis, H. W. B., R. A., London.
144. "Now Came Still Evening On."
145. A Gleamy Day, Picardy.
146. The Western Highlands.
Dawson, Nelson, London.
147. The Sunset Breeze.
Detmold, H. E., Hastings.
148. A Glimpse of Future Seas.
Dicksee, Frank, A. R. A., London.
149. The Passing of Arthur.
150. The Redemption of Tannhauser.
Dobson, W. C. T., R. A., R. W. S., Petworth.
151. The Wandering Minstrel.
East, Alfred, R. I., London.
152. An Angry Dawn.
153. The Arms of Peace.
Ellis, Edwin, London.
154. Full Summer, Flambro'.

GREAT BRITAIN.

155. Emslie, A. E., London.
 Saving the Shipwrecked.
 156. Portrait of the Rev. James Martineau,
 D.D., D.C.L., LL.D.
 Etherington, Miss L., London.
 157. A Norfolk Dyke.
 Fabey, Edward H., R. I., London.
 158. Distant View of Florence, Looking
 up the Arno.
 159. The Nether Pool, a Nibble.
 160. Autumn.
 Farquharson, Joseph, London.
 161. Looking West.
 162. The Temple of Karnak.
 Farquharson, David, London.
 163. After the Storm, Glenlyon.
 164. Morning on the Common.
 Fisher, S. Melton, London.
 165. A Summer Night.
 Fisher, Horace, London.
 166. The Card Players.
 167. A Midday Rest.
 Fletcher, Morley, London.
 168. Shadow of Death.
 Fletcher, Blandford, Enfield.
 169. Evicted.
 Forbes, Mrs. Stanhope, London.
 170. The Witch.
 Forbes, Stanhope A., A. R. A., Lon-
 don.
 171. Forging the Anchor.
 172. Soldiers and Sailors.
 Frith, W. P., R. A., London.
 The Race for Wealth (a series of five
 pictures):
 173. The Spider and The Flies.
 174. The Spider at Home.
 175. Victims.
 176. Judgment.
 177. Retribution.
 Fulleylove, John, R. I., London.
 178. A Royal Palace.
 Furse, Charles W., London.
 179. Lady in Gray.
 180. Lady in Brown Riding Habit.
 Glazebrook, Hugh de T., London.
 181. C'est l'Empereur.
 Napoleon I, Finding a Sentry Asleep
 on Duty.
 182. Portrait.
 Goodall, Frederick, R. A., London.
 183. By the Sea of Galilee.
 184. The Palm Offering.
 Goodall, T. F., Dulwich.
 185. The Last of the Ebb; Great Yar-
 mouth from Breydon Water.
 186. When the Sun Sets and the Moon
 Rises.
 Gotch, T. C., London.
 187. My Crown and Sceptre.
 Gow, A. C., R. A., London.
 188. Queen Mary's Farewell to Scotland.
 Grace, A. F., Steyning.
 189. Working Late in Valley of the Arun.
 190. The Valley of the Cuckmere.
 Grace, James E., Godalming.
 191. An Isle of Wight Pastoral.
 192. A Surrey Pond.
 Graham, Peter, R. A., London.
 193. Caledonia Stern and Wild.
 194. The Hamlet on the Cliff—a Rocky
 Coast.
 Graham, T., London.
 195. The Last Boat.
 Grey, Alfred, R. H. A., Dublin.
 196. An Irish Harvest Field; Peasants
 Loading Corn.
 Hacker, Arthur, London.
 197. Christ and The Magdalen.
 198. Portrait of Miss W.
 199. Fire Fancies.
 Hague, Anderson, R. I., Llandudno,
 Wales.
 200. Gyffin Old Mill.
 Hall, Fred., Penzance.
 201. Adversity.
 202. The Result of High Living.
 Halswelle, Keeley (the late).
 203. A Breezy Common.
 Hare, St. George, London.
 204. The Victory of Faith.
 205. Reflections.
 Hargitt, Edward, R. I., Basingstoke.
 206. The Isle of Skye from the Mainland,
 near Plockton.
 Hartley, Alfred, London.
 207. Trafalgar Square.
 Hayes, Edwin, R. H. A., R. I., Lon-
 don.
 208. Hard a Port.
 209. Saved.
 Hayes, Claude, Addlestone.
 210. Across a Surrey Common.
 Haynes-Williams, J., Southampton.
 211. Gallery of Francis I, Palace of Fon-
 tainebleau.
 Helcke, Arnold, London.
 212. Sandbanks.
 Herkomer, Prof. H., R. A., Bushey.
 213. The Last Muster.
 214. Miss Katharine Grant.
 215. Entranced.
 "In some diviner mood of self-ob-
 livion solitude."
 Herkomer, Herman G., London.
 216. Portrait of Professor Hubert Herko-
 mer, R. A.
 217. David Bisphan in "La Bosche."
 Hitchens, A., London.
 218. Fisherwomen Awaiting the Boats, Hol-
 land.
 Holiday, Henry, London.
 219. Aspasia.
 220. Street of Tombs, Pompeii.
 Holl, Frank, R. A. (the late).
 221. Portrait of John Tenniel.
 222. Samuel Cousins, R. A.
 223. The Earl Spencer, K. G.
 224. Portrait of the late J. S. Morgan.
 225. Portrait of Major-General Sir Henry
 Rawlinson, Bart., G. C. B., F. R. S.
 Holloway, C. E., London.
 226. The Old Town of Rye.
 Hook, J. C., R. A., Farnham.
 227. Wreckage from the Fruiter.
 228. "Little to Earn and Many to Keep."
 Hopkins, Arthur, A. R. W. S., Lon-
 don.
 229. "Springtime, The Only Pretty Ring-
 Time."
 Horsley, John Callicott, R. A., Lon-
 don.
 230. Hide and Seek.
 231. Finishing Touches.

DEPARTMENT K.—FINE ARTS.

- Horsley, Walter C., London.
 232. The Captive.
 233. Fortune Teller—Cairo.
 Hunt, Alfred W., R. W. S., London.
 234. From Peak to Peak in Cloudland.
 Hunter, Colin, A. R. A., London.
 235. The First Plunge of Niagara.
 236. Fishers of the North Sea.
 237. The Island Harvest.
 Hunter, G. Sherwood, London.
 238. Carrying the Viaticum, Finisterre, France.
 239. Funeral of a Fisherman's Child, Volendam, Zuyder Zee.
 Huson, Thomas, R. I., Liverpool.
 240. "Mists Hung Wide O'er Moor and Fell."
 Ingram, W. Ayerst, Falmouth.
 241. Surf.
 Jacomb-Hood, G. P., London.
 242. Summer.
 Jay, W. S., Arundel.
 243. Early Primrose, Herald of Spring.
 Jenkins, Miss Blanche, London.
 244. A Water Nymph.
 Johnson, C. E., R. I., London.
 245. The Slopes of Ben Nevis.
 Johnson, Cyrus, R. I., London.
 246. A County Boundary.
 Jolley, Gwilt, London.
 247. Consolatrix Afflictorum.
 Jones, Sir Thomas A., P. R. H. A., Dublin.
 248. Loreli.
 Jopling-Rowe, Mrs. Louise, London.
 249. "Dear Lady Disdain."
 250. Salome.
 Joy, G. W., London.
 251. Lady Daffodil.
 252. Danaids.
 Kennedy, C. N., London.
 253. Perseus.
 Kennington, T. B., London.
 254. The Curse of the Family.
 255. The Fair Harpist.
 King, Edward, Petersfield.
 256. A Frolic.
 King, Yeend., R. I., London.
 257. Autumn Wooing.
 258. The Lass That Loved a Sailor.
 259. A Gray Day in July.
 Knight, Joseph, R. I., Llandudno, Wales.
 260. A Turnip Field.
 Knight, J. W. Buxton, London.
 261. Sunday Morning, Hadley Church.
 262. Plymouth. The Home of the First English Settlers in America.
 Laidlay, W. J., London.
 263. The Approach.
 264. Moonrise on Hoxsey Mere.
 La Thangue, L. H., Bosham.
 265. Leaving Home.
 266. A Gaslight Study.
 Lavery, John, Glasgow.
 267. Katherine and Esther, Daughters of Lord McLaren.
 268. An Esquiesienne.
 Lawson, Cecil (the late).
 269. The Hop Garden.
 Leader, B. W., A. R. A., Shere.
 270. Conway Bay and the Carnarvonshire Coast.
 271. When Sun is Set.
 Lehmann, Rudolf, London.
 272. Undine.
 273. The Reaper and the Flowers (Long-fellow).
 Leighton, Sir Frederick, Bart., P. R. A., London.
 274. Hercules Wrestling with Death for the Body of Alcestes.
 275. Garden of the Hesperides.
 276. Perseus and Andromeda.
 277. Portrait of Captain Burton.
 Leighton, E. Blair, London.
 278. The Secret.
 279. How Lisa Loved the King. Boccaccio.
 Lemon, Arthur, Betchworth.
 280. All Among the Barley.
 Leslie, G. D., R. A., Wallingford.
 281. Hen and Chickens.
 282. "Home, Sweet Home."
 283. The Monks of Abingdon.
 Lindner, M. P., London.
 284. A Winter Sunset.
 285. Moonlight.
 Linnell, John (the late).
 286. Storm at Harvest.
 Linton, Sir James D., P. R. I., London.
 287. Victorious.
 288. The Benediction.
 Lockhart, W. E., R. S. A., London.
 289. The Swineherd.
 290. Portrait of John Polson, Esq.
 Logsdaill, Wm., London.
 291. Ninth of November.
 292. Sunday in the City.
 293. Venice from the Public Garden.
 294. Flower Gathering, South of France.
 Long, Edwin, R. A. (the late).
 295. A Welsh Girl.
 296. Rose Bradwardine, from Sir Walter Scott's "Waverly."
 Lorimer, J. H., London.
 297. A Child's Thank-offering.
 298. Pot-pourri.
 Loudan, Mouat, London.
 299. Fish Market, Cornwall.
 Lucas, Seymour, A. R. A., London.
 300. St. Paul's.
 301. Louis XI.
 Lucas, Mrs. Seymour, London.
 302. Henry VI.
 Lund, Niels M., London.
 303. A Scotch River.
 Macallum, Hamilton, R. I., London.
 304. "Rocked in the Cradle of the Deep."
 305. Return from Lance Fishing.
 Macartney, Carlile, H. H., London.
 306. Moorland.
 Macbeth, Robert W., A. R. A.
 307. Stag Hunting in a Sea Fog.
 308. The Fen Farm.
 Macbeth-Raeburn, H., London.
 309. Nurse Ann, a Portrait.
 310. Lewis Walters, Esq., a Portrait.
 Macgregor, Miss J., London.
 311. In the Reign of Terror.
 312. The Mistletoe Bough.
 Maclaren, Walter, London.
 313. Fruit Harvest-time in an Orange Garden, Capri, Italy.
 Macwhirter, John, A. R. A., London.
 314. "Fairly of the Glen."

GREAT BRITAIN.

315. Corrie-Arran.
316. "Hail, Gentle Spring."
Margetson, W. H., London.
317. Pygmalion.
Marks, H., Stacy, R. A., London.
318. The Gentle Craft.
Mason, G. H. (the late).
319. Girls Dancing by the Sea.
320. The Harvest Moon.
321. Return from Ploughing.
322. Only a Shower.
McCulloch, George, London.
323. Caliban and Ariel.
McLachlan, T. Hope, London.
324. Mists in Early Autumn.
325. A Wind on the Hill.
Menpes, Mortimer, London.
326. India.
327. India.
328. Venice.
329. Japan.
Merritt, Mrs. Anna Lea, Andover.
330. Eve.
Millais, Sir John Everett, Bart., R. A., London.
331. The Ornithologist.
332. Halcyon Weather.
333. The Last Rose of Summer.
334. Sweet Emma Morland.
335. Lingering Autumn.
336. Shelling Peas.
337. Bubbles.
Miller, P. H., London.
338. The Old Arm Chair.
Millet, F. D., Worcestershire.
339. How the Gossip Grew.
Montalba, Miss Clara, R. W. S., Venice.
340. A Thames Barge Off Chelsea.
Moore, Albert, London.
341. A Reverie.
Moore, Henry, A. R. A., London.
342. Storm Brewing.
343. St. Alban's Race.
344. Sunset after a Storm.
Morgan, Fred, London.
345. The Favoured Swain.
Morris, P. R., A. R. A., London.
346. Sons of the Brave.
347. Fête Dieu, Dieppe, Normandy.
348. Edward I Demanding the Oath of Allegiance to the First Prince of Wales.
Moscheles, Felix, London.
349. Reciter in a Arab Café, Cairo.
Mottram, C. S., London.
350. A Winter Sea on the Yorkshire Coast (Morning).
Moynau, R. T., R. H. A., Dublin.
351. Military Manœuvres.
Murray, David, A. R. A., London
352. The River Road.
353. A Mangold Field.
354. Season of Mists and Mellow Fruitfulness.
Nicol, J. Watson, London.
355. "The good old rule, the simple plan,
That they should take who have
the power,
And they should keep who can."
Noble, Robert, Prestonkirk.
356. September.
- Normand, Ernest, London.**
357. Death of Pharaoh's First Born.
Norris, H. L., London.
358. Twilight.
North, J. W., R. W. S., Taunton.
359. "Seest how fresh my flowers be spread,
In lily-white and crimson-red."
—Spencer.
Olivier, Herbert, London.
360. Portrait of the Venerable Archdeacon Farrar.
Orchardson, W. Q., R. A., London.
361. A Portrait Group.
Osborn, Miss E. M., London.
362. Summer Shroud.
"When nature's dying face is veiled."
Osborne, Walter, R. H. A., Dublin.
363. The Ferry.
Oules, W. W., R. A., London.
364. Portrait of T. S. Cooper, Esq., R. A.
365. Portrait of Sir Donald Smith, K.C.M.G.
Overend, W. H., London.
366. "Victory!" The Prize Crew Taking Possession.
Palin, W. M., Milford.
367. Orphans.
Parker, John, R. W. S., London.
368. Cockle Gatherers.
Parsons, Alfred, R. I., London.
369. In a Cider Country.
370. The Flowers Appear on the Earth.
371. "The Voice of the Turtle is Heard in the Grove."
372. The Daylight Dies.
Parton, Ernest, London.
373. When Daylight Dies.
374. Misty Morn.
375. The Night Ferry.
Pash, Miss Florence, London.
376. Over the Way.
Peppercorn, A. N., Leatherhead.
377. The Cornfield.
378. A Surrey Village.
Perugini, Mrs. Kate, London.
379. Tomboy.
380. Happy and Careless.
Perugini, C. E., London.
381. Crossing the Torrent.
382. A Summer Shower.
383. Clare.
Pettie, John, R. A. (the late), London.
384. The Traitor.
385. Silvia.
386. Monmouth Pleading for His Life Before James II.
387. Bonnie Prince Charlie.
Phillips, Laurence B., R. P. E., London.
388. A Mill in Kent.
Pickering, J. L., London.
389. An Autumn Gust.
390. An Old World Home.
Poole, P. F., R. A. (the late).
391. The Prodigal Son.
392. Greek Exiles.
Poynter, E. J., R. A., London.
393. Under the Sea Wall.
394. On the Terrace.
395. Diadumene.
396. White Roses.
Price, J. M., London.
397. Viaticum.

DEPARTMENT K.—FINE ARTS.

- Prinsep, Val. C., A. R. A., London.
398. The Broken Idol.
- Pyne, Thomas, R. I., Colchester.
399. Streatley Hill on the Thames.
- Radford, Edward, A. R. W. S., London.
400. **Weary.**
- Rae, Iso., Paris.
401. A Little Peasant.
- Rae, Henrietta (Mrs. E. Normand), London.
402. La Cigale.
403. Doubts.
- Rattray, Wellwood, R. S. A., Glasgow.
404. Golden October on the Forth.
405. Summer Eve, Kintyre.
- Reed, George Ogilvie, R. S. A., Edinburgh.
406. The Stroller's Tale.
- Reid, Miss Flora M., London.
407. Hush!
408. In the Market Place.
- Reid, John R., London.
409. The Mate of the "Mermaid's Wedding."
410. The Yarn.
- Riviere, Briton, R. A., London.
411. Requiescat.
412. Daniel.
413. The Magician's Doorway.
- Robertson, Henry Robert, London.
414. "The Ploughman. Homeward Plods his Weary Way."
- Rooke, T. M., London.
415. King Ahab's Coveting.
416. Judith's Adventuring.
- Sadler, W. Dendy, London.
417. Darby and Joan.
418. Lea Roachers.
- Sant, James, R. A., London.
419. Oliver Twist.
- "He Walks to London."
420. My Lady Dorothy.
- Schloesser, Carl, London.
421. Moliere Reading to His Servant "La Foret."
- Schmalz, Herbert, London.
422. Christianæ ad Leones.
423. Topsy.
- Schmiechen, H., Sc. A. Kensington.
424. Portrait of Mrs. Bloomfield Moore.
- Shannon, J. J., South Kensington.
425. Portrait of Mrs. Hitchcock.
426. Portrait of G. Hitchcock, Esq.
427. Portrait of Mrs. Charlesworth.
- Small, William, R. I., London.
428. Love Laughs at Rain.
429. Returning from Market, Connemara; Rough on Biddy.
- Smallfield, Frederick, R. W. S., London.
430. Colonel Newcome in Charterhouse; Grace After Meat.
- Smart, John, R. S. A., Edinburgh.
431. A Glen Without a Name, Ben Cruachan.
- Smythe, Lionel P., London.
432. Boulogne Shrimpers.
433. Harvest of the Sea, Boulogne.
- Solomon, Solomon J., London.
434. Orpheus.
- Stacey, Walter S., London.
435. Rough Courting.
- Starling, Albert, London.
436. Saved From the Sea.
- Steer, P. Wilson, London.
437. Bathers.
438. The Sofa.
- Stephens, W. R., London.
439. Summer.
- Stokes, Adrian, London.
440. The Setting Sun.
441. Through the Morning Mist.
442. Roman Campagna, Sunset.
443. Early Spring, Roman Campagna.
- Stokes, Mrs. Adrian, London.
444. Hail, Mary.
445. "Go; Thou Must Play Alone, My Boy."
- Stone, Marcus, R. A., London.
446. The Gambler's Wife.
447. The Passing Cloud.
448. Two's Company, Three's None.
- Storey, G. A., A. R. A., London.
449. The Padre, A Spanish Interior.
- Stott, Edward, Amberley.
450. Peaceful Evening.
451. The Bathers.
452. The Horse Pond.
453. In an Orchard.
- Stott, William, Oldham, London.
454. Kissing Ring.
- Swan, John M., London.
455. The Fallen Monarch.
456. Maternity.
- Swan, Mrs., London.
457. The Chorister.
458. The Duet.
- Swynnerton, Mrs. Annie L., London.
459. Mater Triumphales.
460. Portrait of Miss Jane Atkinson.
- Symonds, W. R., London.
461. Mignon.
- Symonds, W. Christian, Mayfield.
462. The Figure Head of the Cupid.
463. Diana and Endymion.
- Taylor, A. Chevallier, London.
464. The Encore. "Home, Sweet Home."
465. The Peddler.
- Thomson, Leslie, London.
466. The Homeless Sea.
- Thornley, Charles, East Moulsey
467. Dutch Fishing Boat.
- Titcomb, William Holt Yates, Balam.
468. Primitive Methodists, St. Ives, Cornwall.
469. Old Sea Dogs.
- Topham, Frank W. W., R. I., London.
470. Naaman's Wife—II Kings, v. 1-2.
- Tuke, Henry S., Hanwell.
471. Sailors Playing Cards.
- Walker, J. Hanson, London.
472. A Portrait, "May."
473. Mrs. Frank Grimwood, of Manipur
- Walker, Francis S., R. H. A., London.
474. The Convent Garden.
- Waller, Mrs. Mary L., London.
475. The Card Dealer.
- Waller, S. E., London.
476. One-and-twenty.
477. The Empty Saddle.

GREAT BRITAIN.

- Walton, E. A., A. R. S. A., Glasgow.
478. Girl in Brown.
- Walton, Frank, R. I., Dorking.
479. Wreck of Spanish Armada Ship.
- Ward, Mrs. E. M., London.
480. Mrs. Fry Visiting Newgate in 1818.
481. The Ugly Duckling.
- Waterhouse, J. W., A. R. S. A., London.
482. Mariamne Leaving the Prætorium.
- Waterlow, Ernest A., A. R. A., London.
483. Over the Sandhills, Bristol Channel.
484. The Misty Moon, Isle of Arran.
485. The Night Before Shearing.
- Watts, G. F., R. A., London.
486. Love and Life.
487. Love and Death.
488. Paolo and Francesca.
489. The Genius of Greek Poetry.
490. Portrait of Robert Browning.
491. Portrait of Walter Crane.
- Weguelin, J. R., London.
492. The Maidens' Race.
- Wehrschmidt, Daniel A., Bushey.
493. Finding the Head of Orpheus (Lucian).
- Wetherbee, G. London.
494. Fishermen's wives.
495. Glad Spring.
- White, John, Axminster.
496. Our Village.
497. Beer Head, Devon.
- Wilkinson, Hugh, Brockenhurst.
498. A Cloudy Morning.
- Williams, Alexander, A. R. A., Dublin.
499. The Port of Dublin—Sunset.
- Wigman, T. Blake, London.
500. Portrait of Miss Applin.
501. Portrait of Mrs. Wigman.
- Wood, Miss E. Stewart, London.
502. Autumn.
- Woods, Henry, A. R. A., Venice, Italy.
503. Steps of the Scuola, San Rocco.
- Wortley, Archibald Stuart, London.
504. Mrs. H. Grenville Wells.
505. Miss Maud Waller.
506. Miss Clare Davis.
- Wright, Miss E., London.
507. Pierrette Encroyable.
- Wyllie, W. L., A. R. A., Rochester.
508. The German Emperor and Prince of Wales inspecting the White Star Steamer "Teutonic" at Spithead, August 4, 1889.
509. Orient Liner "Ormuz" off the Eddystone.
510. The Port of London.
511. Davy Jones' Locker.
- Wyllie, Charles W., London.
512. The Brimming River.
513. The Mighty Fallen.
- Yeames, William, F. R. A., London.
514. Prisoners of War. 1805.
- GROUP 141.**
Paintings in Water Colors.
Allan, Robert W., R. W. S., London.
515. Loch Ranza, Arran.
516. Gwalior, India.
- Allingham, Mrs., R. W. S., London.
517. The Sick Duckling.
- Alma-Tadema, L., R. A., London.
518. Calling the Worshipers.
- Alma-Tadema, Miss Anna, London.
519. The Drawing Room, Townshend House.
- Aumonier, J., R. I., London.
520. Old Shoreham, Sussex.
- Bayliss, Wyke, P. R. B. A., London.
521. Interior of Westminster Abbey.
- Becker, H., Colchester.
522. The Mower.
- Brewtnall, Edward F., R. W. S., London.
523. Christian and Evangelist.
524. The Dragon's Cave.
- Brierly, Sir Oswald W., R. W. S., London.
525. H. R. H. the Prince of Wales' R. Y. S. Yacht "Aline," manœuvring the Royal Yacht Squadron at Cowes, August, 1885.
526. H. R. H. the Prince of Wales, Commodore of the Royal Yacht Squadron and the Royal Thames Yacht Club, starting the Ocean Yacht Race round the United Kingdom from Southend, June 14, 1887.
527. H. M. S. "Black Prince." (Capt. H. R. H. the Duke of Edinburgh.)
- Buckman, Edwin, A. R. W. S., London.
528. Preparing Oranges for the Packers, Andalusia.
- Bulleid, G. Lawrence, A. R. W. S., Glastonbury.
529. In Doubt.
530. A Custodian.
531. At The Temple Gate.
- Callow, William, R. W. S., F. R. G. S., Great Missenden.
532. On the Lake of Como, Looking Toward Menaggio.
- Collier, Thomas, R. I. (the late).
533. Two Green Roads.
- Coutts, H., Windermere.
534. A Sheep Farm in the Duddon.
- Crane, Walter, London.
535. Church of Rievaulx Abbey.
536. Refectory, Rievaulx Abbey.
- Dadd, Frank, R. I., Blackheath.
537. The Captain of the Troop.
- Dealy, Miss Jane M., R. I., Blackheath.
538. A Fresh Breeze and Away.
539. "One foot up and one foot down, That's the way to London town."
- Dillon, Frank, R. I., London.
540. The Temple of Gertassee, Nubia.
- Dobson, W. C. T., R. A., R. W. S., Petworth.
541. Ada with the Golden Hair.
542. Summer Roses.
- Duffield, Mrs. William, R. I., London.
543. Japanese Roses.
- Du Maurier, George, London.
544. Time's Revenge.
- Earle, Charles, London.
545. Evening in the Forum at Rome.
546. Arance Dolce Amalfi.
- East, Alfred, R. I., London.
547. Early Night.
548. Northampton.

DEPARTMENT K.—FINE ARTS.

- Elgood, George S., R. I., Leicester.**
 549. Compton Wynnyates.
 550. "Down where the Garden grows Gay as a Banner."
 551. Sunflowers.
Ellis, Tristram, London.
 552. The Acropolis, Athens, from the Hill of the Nymphs.
Evershed, Arthur, A. R. P. E., London.
 553. The Quay, Bawdsey, Suffolk.
 554. An Essex Barn.
Foster, Birket, R. W. S., Witley.
 555. Ben Nevis.
Fowler, Robert, R. I., Liverpool.
 556. The Tempest.
 557. The Witch of Atlas.
Fripp, Charles E., A. R. W. S., London.
 558. Steps of Kurodani Temple on a Fête Day, Japan.
 559. Afternoon in a Japanese Village.
 560. Shrine at Seta, Japan, After Rain.
Fulleylove, John, R. I., London.
 561. Hampton Court Palace.
 562. Magdalen Tower and Bridge, Oxford.
Gilbert, Sir John, R. A., Blackheath.
 563. Richard II Resigning the Crown to Bolingbroke.
 564. Conspiracy.
Goodall, Edward A., R. W. S., London.
 565. Interior of the Mosque of Sultan Hassan, Cairo.
 566. Bab Zooáleh, one of the Gates of Cairo.
Gotch, T. C., London.
 567. A Letter from America.
Gow, Andrew C., R. A., London.
 568. Requisitionists.
Gow, Miss Mary L., London.
 569. The Story of the Willow Pattern.
 570. Beggar My Neighbour.
Grace, A. F., Steyning.
 571. Maytime on Downs, Isle of Wight. Portsmouth in Distance.
 572. Old Farmhouse, Sussex.
Green, C., R. I., London.
 573. Nell and Her Grandfather.
 574. The Pickwick Club.
Green, Towneley, R. I., London.
 575. A Way they Have in the Army.
Greenaway, Miss Kate, London.
 576. Title-page, "Marigold Gardens."
 577. Little Phyllis, "Marigold Gardens."
 578. My Little Girlie, "Marigold Gardens."
 579. Mulberry Bush, "Children's Games."
 580. Game Play, "Hyacinth's Language of Flowers."
 581. Girl Drawing Chaise with Two Children.
Gregory, Chas., R. W. S., Ripley.
 582. Luther's Abstraction.
 583. The Sorcerer.
 584. In Winchester.
Haag, Carl, R. W. S., London.
 585. One of Our Ancestors.
 586. A Druidical Novice.
 587. A Bridal Procession at Damascus.
 588. The Schoene Brunnen at the Market Place of Nurnberg.
Hague, Anderson, R. I., Llandudno, Wales.
 589. Winter.
Hall, Oliver, R. P. E., London.
 590. The Duddon Valley from Above Leathwaite.
 591. A Windy Day.
Hargitt, Edward, R. I., Basingstoke.
 592. The Undercliff, Isle of Wight.
 593. Eridge Park, Kent.
Hatherell, W., R. I., London.
 594. Quarter Deck of a P. & O. Steamer.
 595. Monaco and Monte Carlo, from Roquebrune.
Hayes, Claude, Addlestone.
 596. Moonrise.
Hayes, Edwin, R. H. A., R. I., London.
 597. Fishing Smack Leaving Port.
Henshall, J. Henry, R. W. S., London.
 598. "Merry Goes the Time when the Heart Is Young."
 599. In Wonderland.
Hine, Harry, St. Albans.
 600. Durham: The Castle, Town and Cathedral.
 601. Lincoln.
Hine, Henry George, V. P. R. I., London.
 602. Durlstone Head, Dorsetshire.
Hodson, Samuel J., R. W. S., London.
 603. Piazza dei Signori, Verona.
 604. Corner of the Ducale, Venice.
 605. Cordo, Verona.
Holiday, Henry, London.
 606. Sunset and Moonlight on the Atlantic.
Hopkins, Arthur, A. R. W. S., London.
 607. Outward Bound.
 608. Saturday Evening on the Quay.
Hunt, Alfred W., R. W. S., London.
 609. Summer Sunshine, Capel Curig.
 610. A November Rainbow.
 611. Robin Hood's Bay, North Yorkshire Coast.
 612. Twixt Sea and Land, North Wales.
Johnson, Cyrus, London.
 613. The Sun Inn, Dedham.
Kilbourne, G. Goodwin, London.
 614. Good Accommodation for Man and Beast.
 615. A Difficulty.
Knight, Joseph, R. I., Llandudno, Wales.
 616. Twilight.
Lamont, T. R., R. I., London.
 617. The End of the Prologue.
Langley, Walter, R. I., Penzance.
 618. Disaster.
 619. Departure of the Fleet.
Linton, Sir James D., P. R. I., London.
 620. Abandoned.
Lloyd, Tom, R. W. S., London.
 621. Ferry Boat, Ahoy.
 622. The Last Load.
Macallum, Hamilton, R. I., London.
 623. A Capri Boy.
 624. Caught by the Tide.
Macquoid, Percy, R. I., London.
 625. Excommunicated.
Macquoid, Thomas R., R. I., London.
 626. At Kampen, Holland.
 627. Water Carriers, Spain.
 628. In Mercia, Spain.
Marrable, Mrs., London.
 629. Old Cedar Trees, Boyle Farm, Thames Ditton, Surrey.

GREAT BRITAIN.

630. Val de Fex, Engadine, Switzerland.
 631. Piazza Communale Nebbiolo, Lago di Como.
Martineau, Miss Edith, A. R. W. S., London.
 632. In Sweet Music.
 633. Her Favorite Doll.
 634. Shelling Peas.
McGuinness, Bingham, R.H.A., Dublin.
 635. Kilchurn Castle, Loch Awe.
 636. Hangman's Bridge, Nuremberg.
Moore, Henry, A. R. A., London.
 637. Bright Morning After a Breeze.
 638. Scheveningen; Waiting for the Shrimp Boats.
Montalba, Miss Clara, R. W. S., Venice.
 639. St. Mark's, Venice.
 640. A Venetian Ferry.
 641. After a Storm, Venice.
Murray, David, A. R. A., A. R. W. S., London.
 642. Hayfield.
Nash, Joseph, R. I., Chiswick.
 643. A Winter Morning.
 644. A Winter Sunset, Ben Nevis.
 645. The Haunted Chamber.
 646. After the Gale.
Nisbet, R. B., Edinburgh.
 647. A Borderland Sunset.
Norman, Philip, London.
 648. Courtyard of The White Hart Inn (now destroyed).
 649. Interior of Barnard's Inn, Holborn (now dismantled).
 650. The Courtyard of the George Inn, Southwark.
Orrock, James, R. I., London.
 651. Cardross Moss, Perthshire.
 652. Rough Sea off the Isle of Arran.
Parker, John, R. W. S., London.
 653. The Village Rendezvous.
Parsons, Alfred, R. I., London.
 654. Bodenham Church.
 655. Somersetshire Hills.
Phillip, Colin B., A. R. W. S., London.
 656. Evening in the Glen.
 657. A Summer Day, Loch Etive, Argyllshire, N. B.
Pilleau, H., R. I., London.
 658. Amalfi, South Italy.
 659. Entrance to The Ducal Palace, Venice.
Pilsbury, Wilmot, Taunton.
 660. An Old Village Cross.
 661. A Duckpool.
 662. A Farmstead.
Poynter, E. J., R. A., R. W. S., London.
 663. In a Garden.
Radford, Edward, A. R. W. S., London.
 664. Nausicaa.
 665. Eros.
 666. Hero.
Rainey, W., Chichester.
 667. The Old Vronn.
 668. The City Wall.
Rigby, Cuthbert, A. R. W. S., Kendal.
 669. An October Flood.
 670. Summer Days.
 671. The Falls Above Coniston.
Richardson, John I., R. I., London.
 672. Snowstorm in Glencoe.
 673. Carting Faggots, Sussex.
Rivers, Leopold, London.
 674. Harvest Home.
Robertson, Arthur, London.
 675. Minerva.
Rooke, T. M., London.
 676. North Transept, Troyes Cathedral.
Severn, Arthur, R. I., Herne Hill.
 677. Florence, from San Miniato.
 678. Waves Breaking, near Kilkee, West Coast of Ireland.
Smallfield, Frederick, R. W. S., London.
 679. The Velvet Hat.
 680. Prato, Tuscany, The Ringhiera of Donatello Outside the Duomo.
Smith, Carlton A., R. I., London.
 681. A Corner of the Studio.
 "Oh! woman in our hours of ease, Uncertain, coy and hard to please."
Smythe, Lionel P., London.
 682. The Field of the Cloth of Gold.
 683. Summer Holidays.
Squire, Miss Alice, R. I., London.
 684. Springtime.
 685. An Autumn Afternoon.
 686. A Quiet Stream.
Steer, H. R., R. I., Hinckley.
 687. Oliver Goldsmith's Social Gatherings, Green Arbour Court, 1759.
 688. "Long was the Good Man's Sermon."
Stevens, A., Chiswick.
 689. Durham.
Stillman, Mrs., Rome.
 690. Fra Currado d' Offidi.
Stock, Henry J., R. I., London.
 691. Immortality's Sunrise.
 692. A Youth in the Flames of First Love.
Thomas, William L., London.
 693. Once Upon a Time.
 694. Frame of Drawings of Highland Scenery.
Thornycroft, Miss Helen, London.
 695. Orchids.
 696. Shirley Poppies.
 697. Azalea, with Bronze Figure of "The Mower."
 698. Orchids.
Topham, Frank W. W., London.
 699. Recruiting for Savonarola; "Ye Can not Serve God and Mammon."
Waite, R. Thorne, R. W. S., London.
 700. The Blue Wagon.
 701. Between the Showers.
Walker, W. Eyre, A. R. W. S., London.
 702. "The Brief Silence of an Hour Reigns o'er the Fields."
 703. Moonrise on the Lowther.
Walton, E. A., A. R. S. A., Glasgow.
 704. Phyllis.
Walton, Frank, R. I., Dorking.
 705. Torrisdale, Kintyre.
 706. Arran, From Carradale.
Waterlow, Ernest A., A. R. A., A. R. W. S., London.
 707. The Evening Hour.
Weatherhead, William, H. R. I., London.
 708. Chelsea Pensioners.

DEPARTMENT K.—FINE ARTS.

- Weedon, A. W., R. I., London.
 709. Near Sandwich, Kent.
 710. Evening Shadows, Richborough, Kent.
 Wetherbee, G., London.
 711. A Fisher Maiden.
 Whaite, H. Clarence, R. W. S., London.
 712. Cambrian Shepherds.
 Whitley, Miss Kate Mary, R. I., Leicester.
 713. Ammonite and Minerals.
 Wollen, W. B., London.
 714. "It May be for Years, It May be Forever."
 715. Capture of French Guns by the Union Brigade, at Waterloo.
 Yeames, William, F. R. A., London.
 716. The Law's Delay, Barnard' Court.
 Youngman, Miss A. M., R. I., Greenwich.
 717. Pelargoniums.
 718. Rhododendrons.
- GROUP 143.**
- Engravings and Etchings.**
- Allbon, Charles F., London.
 719. On the Sands, Scheveningen.
 720. Antwerp.
 721. Lago Di Como.
 722. Venice.
 Appleton, T. G., Shalford.
 723. Rembrandt, en officier.
 724. Nature.
 725. The Sisters.
 726. Washington.
 Ball, Wilfrid, London.
 727. Venice.
 728. Evening Light.
 Baskett, Charles E., Colchester.
 729. A Mend by the Way.
 730. An Old Stackyard, Winter.
 731. Stratford, St. Mary Bridge.
 732. Donyland Wood, Winter.
 Bigland, Percy, London.
 733. The Rt. Hon. W. E. Gladstone. (Mezzotint.)
 Burgess, Walter W., London.
 734. Bits of Old Chelsea.
 735. Bits of Old Chelsea.
 736. Bits of Old Chelsea.
 737. From Waterloo Bridge.
 738. Canterbury Cathedral.
 739. Norwich.
 Cameron, D. Y., Glasgow.
 740. Frame of Etchings.
 741. Frame of Etchings.
 Charlton, Edward W., A. R. P. E., Ringwood.
 742. Manning the Pilchard Boats, Cornwall.
 743. Coasters in Harbor.
 744. Tramps.
 745. Southampton.
 746. Repairing the Coast Road.
 747. The Old Harbor.
 Chattock, R. S., F. R. P. E., London.
 748. The Holt.
 749. Poplars.
 750. The Moorhen.
 751. On Hampstead Heath.
 752. Blast Furnaces.
 Clouston, Robert S., Watford.
 753. The Jew Merchant. (After Rembrandt.)
754. The Viscountess Crosbie. (After Sir Joshua Reynolds.)
 Dale, Mrs. G., London.
 755. Sweet Violets. (After F. Dicksee.)
 Dalgleish, T. Irving, London.
 756. An Eastern Procession, Northern Spain.
 757. Calle Mayor, Fuentenabia.
 758. Anita.
 759. Sunset.
 Dicksee, Herbert, London.
 760. Memories.
 761. A Tigress.
 762. His Majesty.
 763. A Wanderer.
 Ellis, Tristram, London.
 764. { The Golden Horn. (Artist's proof.)
 The Midnight Sun, North Cape. (Artist's proof.)
 765. St. Michael's Mount, Cornwall. (Artist's proof.)
 766. { A Corner of the Parthenon, Athens. (Artist's proof.)
 The Yein Djami, Constantinople. (Artist's proof.)
 767. The "Victory," Portsmouth. (Artist's proof.)
 Evershed, Arthur, A. R. P. E., London.
 768. Nine Subjects, drawn directly on copper from nature.
 769. Nine Outdoor Etch'ngs, drawn directly on copper from nature.
 770. The Tower of London.
 Finnie, John, Liverpool.
 771. Margin of Rydal.
 772. By Pastures Green and Quiet Waters.
 Gardner, W. Biscombe, Haslemere.
 773. Wood engravings (artist's proofs).
 Gascoyne, George, London.
 774. Ploughing.
 775. A Wayfarer.
 Haden, Francis Seymour, P. R. P. E., Alresford.
 776. Morning, near Swanage, Dorset.
 777. Evening, near Swanage, Dorset.
 778. Durlleston Head, Dorset Coast.
 779. Undercliff, Dorset Coast.
 780. Corfe Common, Dorset.
 781. A Village Street in Corfe, Dorset.
 782. An Inn Kitchen in Corfe, Dorset.
 783. Study of Oaks, Chesterfield, Derbyshire.
 Haig, Axel H., Haslemere.
 784. English Pastoral.
 785. The Portals of Reims.
 786. The Aisles of Chartres.
 787. The Chancel of Durham Cathedral.
 Hall, Oliver, R. P. E., London.
 788. A Study of Trees.
 789. A Windy Day on Angerton Moss.
 790. A Windy Day.
 Heseltine, J. P., London.
 791. Six Etchings from Nature.
 Hole, William, R. S. A., Edinburgh.
 792. The Wood Sawyers.
 793. The Jumping Horse. (After John Constable.)
 794. He is Coming. (After Matthew Mario.)
 795. Don Gaspar de Gusman, Count of Olivezez. (After Velasquez.)
 796. Mill on the Yare. (After J. Crome.)

GREAT BRITAIN.

- Huson, Thomas, R. I., R. P. E., Liverpool.
 797. Heralds of a Storm.
 Law, David, London.
 798. Water Meadows.
 799. Silver Birches.
 800. Arundel Castle.
 801. Birthplace of Burns.
 Lewis, C. W. Mansel, Llanelly.
 802. Counting the Flock.
 803. A Welsh Hat.
 804. A Vagrant.
 Lowenstam, Leopold, London.
 805. In a Rose Garden.
 806. A Favorite Author.
 807. Harvest Festival.
 Macbeth-Raehurn, H., London.
 808. Portrait. (After Vandyke.)
 809. The 'Cello Player. (After Metza.)
 810. Wind on the Wold. (After Mason.)
 Macbeth, Robert W., A. R. A., London.
 811. The Garden of Love. (After Titian.)
 812. The Spinners. (After Velasquez.)
 813. Alozo Cano. (After Velasquez.)
 814. Bacchus and Ariadne. (After Titian.)
 815. The Cast Shoe, Lynn Ferry. (Original etching.)
 816. Harbor of Refuge. (After Fred Walker.)
 817. Plough. (After Fred Walker.)
 818. Spring. (After Fred Walker.)
 819. Autumn. (After Fred Walker.)
 820. Fen Farm. (Original etching.)
 Martyn, Miss Ethel King, London.
 821. Illustrations to Milton's "Lycidas."
 May, W. Holmes, London.
 822. The Garden Front, Haddon Hall.
 823. Sunrise on the Welsh Coast.
 Menpes, Mortimer, R. P. E., London.
 824. Banquet of the Officers of the Archers of St. Adrian. (After F. Hals.)
 825. A Captive Persian. (Original dry point.)
 826. Dorothy. (Original dry point.)
 827. Dry Point.
 Murray, Charles O., London.
 828. Haymakers.
 829. The Patriarch.
 830. The Great Frost of 1891, on the Thames.
 831. The Virgin Porch, Oxford.
 Paton, Hugh, Manchester.
 832. A Reef in the Foresail.
 833. A Cheshire Lane.
 834. Highland Pasturage.
 Phillips, Laurence B., R. P. E., London.
 835. A Brittany Castle.
 836. The Piazzetta, Venice (After Rain).
 Piper, Miss Elizabeth, London.
 837. The Chelsea Homes of Carlyle, Rossetti, Turner and George Eliot.
 838. Le Musee De Cluny, Paris.
 839. Old Chelsea Church.
 840. The Spinning Wheel.
 841. The Cloisters, Bristol Cathedral.
 Pratt, Joseph B., London.
 842. Daniel's Answer to the King. (After Briton Riviere, R. A.)
 843. Trim. (After Sir E. Landseer.)
 844. Stolen Kisses. (After Briton Riviere, R. A.)
 845. After a Storm in the Highlands. (After Rosa Bonheur.)
 Robertson, Arthur, London.
 846. "I Won't Sit." (After J. G. Cotman.)
 847. The Villa d'Este, Tivoli.
 Robertson, Henry Robert, London.
 848. Ulysses Deriding Polyphemus.
 849. An Upland Farm.
 850. "The Ploughman Homeward Plods his Weary Way."
 Robertson, Percy, Godalming.
 851. Winchester.
 852. A Wet Day, Witley.
 853. But One.
 Robinson, Gerald, Leatherhead.
 854. Queen Henrietta Maria.
 855. The Burgomaster.
 856. Earl Spencer, K. G.
 857. The Parson's Daughter.
 Særborn, Charles Wm., London.
 858. Seymour, Haden, Esq.
 859. Oliver Cromwell.
 860. Shakespeare.
 861. Archbishop of Canterbury.
 862. Frame of Book Plates.
 863. Frame of Book Plates.
 Short, Frank, London.
 864. Diana and Endymion. (After G. F. Watts, R. A.)
 865. Per Horse Power Per Hour. (Original mezzotint.)
 866. Swiss Pass. (After J. M. W. Turner, R. A.)
 867. A Sussex Down. (After John Constable, R. A.)
 868. Low Tide and the Evening Star. (Original etching.)
 869. Rye Pier. (Original aquatint.)
 Slocombe, Fred., London.
 870. A Yorkshire Lane.
 871. Going Home.
 872. A Hunting Morn.
 873. Wharfedale.
 874. The Avon at Salisbury.
 Slocombe, Edward, Watford.
 875. The Matterhorn.
 876. The Grand Place, Antwerp.
 Spread, William, R. P. E., London.
 877. A Street in Bruges.
 878. En Normandie.
 879. An Old Shop, Vitre, France.
 880. Faubert's Place, Regent Street, London.
 Stacpoole, F., London.
 881. "They say the lion and the lizard keep the Courts where Jamshyd gloried and drank deep." (After Briton Riviere, R. A.)
 882. The Night Watch. (After Briton Riviere, R. A.)
 Sternberg, Frank, Bushey.
 883. A Bacchante. (After G. F. Watts, R. A.)
 884. Dr. Butler. (After Professor Herkomer, R. A.)
 885. Canon Ellison. (After Professor Herkomer, R. A.)
 886. Pauline. (After G. P. Jacomb-Hood.)
 887. Napoleon. (After Greuze.)
 888. In Fairyland. (After C. E. Halle.)
 Strang, William, F. R. P. E., London.
 889. The Earth Fiend.
 890. Portrait.

DEPARTMENT K.—FINE ARTS.

891. Portrait.
 892. Portrait.
 893. Portrait.
Thomas, Percy, London.
 894. The Old Tabard Inn, Southwark.
 895. The White Hart Inn, Southwark.
Urwick, W. H., R. P. E., London.
 896. Sonning-on-Thames.
 897. The Woods in Winter.
 898. Culloden Field.
 899. Yorkshire Cottages.
 900. Clovelly.
Watson, Charles J., London.
 901. Cheyne Walk, Chelsea, 1889.
 902. Campden, Gloucestershire.
 903. St. Jacques, Lisieux.
 904. St. Etienne du Mont, Paris.
 905. Rue Chanoinesse, Paris.
 906. Rue St. Martin, Bayeux.
Wehrschmidt, Daniel A., Bushey.
 907. The Love Letter. (After Luke Fildes, R. A.)
 908. Marquis of Dufferin and Ava. (After Frank Holl, R. A.)
 909. General Sir Herbert Stewart. (After Frank Holl, R. A.)
 910. Earl of Yarborough. (After Frank Holl, R. A.)
 911. Farewell. (After P. H. Calderon, R. A.)
 912. Sir Edward Watkin, M. P. (After H. Herkomer, R. A.)
- GROUP 144.**
Chalk, Charcoal, Pastel and Other Drawings.
- Charlton, John, London.**
 913. An Impeding Catastrophe.
 914. A Carriage Accident.
 915. Halt! Charge of Lancers at Military Tournament.
 916. Ware Wire!
 917. Ludgate Hill; A Slippery Pavement.
 918. A Veterinary Examination.
 919. "Twixt the Devil and the Deep Sea."
 920. Musical Ride of the Seventeenth. Lancers.
 921. Horse Show; Harness Horses Trotting.
 922. Equestrians at a Meet of the Coaching Club, Hyde Park.
 923. Waiting for the Queen, Rotten Row.
 924. Ladies Tilting.
 925. Meet of the Devon and Somerset Stag-hounds.
 926. Cover for Christmas Number (Sledging).
Crane, Walter, London.
 927. The Triumph of Labor. (Artist's proof of a woodcut.)
 928. Set of Original Drawings for Hawthorne's Wonder Book.
 929. The Legend of the Goose and Golden Eggs.
 1. Fortune. 2. Misfortune.
Du Maurier, George, London.
 930. Six Pen and Ink Sketches—Originals of Cuts in "Punch."
Gardner, W. Biscombe, Haslemere.
 931. Palace of Fontainebleau.
Granby, The Marchioness of, London.
 932. The Lady Susan Keppel.
933. The Speaker of the House of Commons.
Hare, St. George, London.
 934. Captives.
Keene, Charles (the late).
 935. Polo for the People.
 936. Round the Studios.
 937. Impracticable.
 938. The Haunted Room.
 939. Wages.
 940. A Hungry Claimant.
 941. The Pictures.
 942. Reprisals.
 943. Overpressure.
 944. The Last Resource.
 945. Little Wife.
 946. Art.
 947. Directions.
 948. Bon Chienie.
 949. Irresistible.
 950. Oppression.
 951. Railway Risks.
 952. Our Village Industrial Competition.
 953. Deceivers Ever.
 954. Extremes Meet.
Linton, Sir James D., P. R. I., London.
 955. Twelve Illustrations to Shakespeare's "Henry VIII."
Overend, W. H., London.
 956. Sir Richard Greville in the "Revenge."
 "Sink me the ship, Master Gunner,
 Sink her, split her in twain,
 Let us now fall into the hands of God.
 Not into the hands of Spain."
 Five Illustrations to "In a Conning Tower."
 957. The Shannon Disabled Returning Home.
 958. Shell Bursting in "Majestic's" Battery.
 959. The Midshipman Watching the Torpedo.
 960. The Wounded Captain in the Conning Tower.
 961. The "Majestic" Ramming the Enemy's Ship.
Stacey, Walter S., London.
 962. In Greek Waters.
 963. Drawings for the "Strand Magazine."
Stott, William, of Oldham, London.
 964. Portrait of a Child.
 965. The Eiger.
 966. The Jungfrau.
Swan, John M., London.
 967. Tigress Drinking.
 968. Puma (female).
 969. Lioness Walking.
 970. Indian Leopards.
 971. Polar Bear.
 972. Lioness Walking.
Tenniel, John, London.
 973. A Waiting Game.
 974. The Queen of the May.
 975. Inns Closed.
 976. When Greek Meets Greek.
 977. The Political "Johnny Gilpin"—The Start.
 978. The Political "Johnny Gilpin"—The Finish.
 979. "William the Wheelman."
 980. "Will They Work."
 981. Back.
 982. The White Elephant.

GREAT BRITAIN.

- Weguelin, J. R., London.
983. Illustrations to Anacreon.
984. Illustrations to Catullus.
- Architecture.**
- Adams, Maurice B., F. R. I. B. A., London, Glen Ridge, New Jersey, U. S. A.
986. Bungalow, Nine-Mile Ride, Berks, England.
987. Mausoleum, near Sydney, Australia, in Memory of the Hon. John Frazer. Aitchison, Prof. George, A. R. A., London.
988. Royal Exchange Assurance, 29 Pall Mall, S. W.
989. The Arab Hall.
990. Drawing Room.
991. Small Drawing Room.
992. Ceiling.
993. Drawing Room.
994. The Hall.
995. New Drawing Room, London. Anderson, R. Rowand, LL. D., Edinburgh.
996. New Medical School, Edinburgh University.
997. Catholic Apostolic Church, Edinburgh.
998. Dumblane Cathedral.
999. Govan Parish Church.
1000. Central Station Hotel, Glasgow.
1001. Scottish National Portrait Gallery, Edinburgh.
1002. St. Paul's Church, Greenock. Ashlin, George C., R. H. A., Dublin.
1003. Exterior View of St. Colman's Cathedral, Queenstown.
1004. Interior View of St. Colman's Cathedral.
1005. Exterior View of the O'Connell Memorial Church, Caherciveen, County, Kerry.
1006. Interior View of the O'Connell Memorial Church. Aston-Webb and E. Ingress Bell, London.
1007. Victoria Courts, Birmingham.
1008. Metropolitan Life Assurance Society's Offices.
1009. Completion of South Kensington Museum.
1010. Pevensey, Shropshire. Belcher, John, London.
1011. Design for South Kensington Museum, Exterior View.
1012. Design for South Kensington Museum, Interior View. Binyon, Brightwen, Ipswich.
1013. Sunderland Town Hall, View of the Exterior. Blomfield, Reginald, M. A., London.
1014. Drawing of 20 James Street, S. W.
1015. House and Grounds at Brockenhurst, Hants.
1016. Proposed English Church at Berne. Brooks, James, V. P. R. I. B. A., London.
1017. Interior Looking East, Liverpool Cathedral.
1018. West Exterior View, Liverpool Cathedral.
1019. Southeast Exterior View, St. Mary's, Woolwich.
1020. Extension Northeast view, St. Mary's, Hornsey.
1021. Southwest View, Holy Innocents', Hammersmith.
1022. Mansions, Ruede Bord, Cape Town. Campbell, Douglas and Morrison, Glasgow.
1023. Carnegie Free Library, Ayr, Scotland. Carøe, W. D., London.
1024. St. John the Evangelist, Stanstead, Essex, Interior.
1025. St. Sepulchre's, Holborn, Design for Organ.
1026. Adelphi Bank New Buildings, Castle Street, Liverpool.
1027. Design for Bronze Doors. Champneys, Basil, London.
1028. Harrow School.
1029. Mansfield College, Oxford.
1030. "Moxley," Holmbury, near Dorking, Surrey.
1031. St. Mary Star-of-the-Sea Church, Hastings.
- Clarke, T. Chatfield, & Son, London.
1032. New Buildings on the Duke of Westminster's estate, South Audley London.
1033. Block of New Buildings on the Duke of Westminster's Estate, Nos. 385 to 397 Oxford Street, London.
1034. The New Bishopsgate Girl's School and Chapel, recently built in Spital Square, Bishopsgate Street. Cutler, Thomas W., F. R. I. B. A., London.
1035. Sculpture Gallery, Avery Hill.
1036. Billiard Room, Avery Hill.
1037. Renaissance Gallery, Avery Hill.
1038. Picture Gallery, Avery Hill.
1039. Drawing Room, Avery Hill.
1040. Staircase, Avery Hill.
1041. Turkish Bath Room, Avery Hill.
1042. A Country House.
1043. A Corridor.
1044. A Card and Billiard Room. Deane, Sir Thomas N. & Son, Dublin.
1045. Elevation of Design for the Imperial Institute. Edis, R. W., F. S. A., F. R. I. B. A., London.
1046. Constitutional Club, Northumberland Avenue.
1047. Junior Constitutional Club, Piccadilly.
1048. Convalescent Home and Hospital. Ernest, George, & Peto, London.
1049. Collingham Gardens Houses, S. W.
1050. East Hill, Ramsgate.
1051. 47 Berkeley Square, Interior.
1052. Shiplake on Thames, Interior of Hall.
1053. Shiplake on Thames, Exterior of Hall. Fenning, Arthur R. G., London.
1054. St. Matthew's Church, Blackburn, Lancashire.
1055. St. Matthew's Church, Blackburn, Lancashire.
1056. St. Paul's Church, Oswaldtwistle, Lancashire.
1057. St. Luke's Church, Winnington, Cheshire.
1058. St. Luke's Church, Winnington, Cheshire.

DEPARTMENT K.—FINE ARTS.

- Goddard, Paget, & Goddard, Leicester.
1059. An Architect's Home.
1060. Houses, Regent Street, Leicester.
- Gribble, Herbert A., A. R. I. B. A.
1061. Interior of the Oratory Church, Brompton.
1062. Altar of St. Philip Neri, the Oratory, Brompton.
- Hemmings, Frank, A. R. I. B. A., London.
1063. Albert Hall Estate.
- Honeyman, John, & Keppie, Glasgow.
1064. Premiated Design for Glasgow Art Galleries, Perspective View.
1065. Design for Glasgow Art Galleries, Part of Elevation to Large Scale.
- Horsley, Gerald C., London.
1066. Design for a Country Museum and Institute.
1067. A Small Country House.
1068. New Organ, Bottesford.
- Jackson, Thomas G., A. R. A., London.
1069. New Front of Brasenose College, in the High Street of Oxford.
1070. New Campanile for the Cathedral of Zara, in Dalmatia.
1071. New Tower and Spire for St. John's Church Wimbledon.
1072. The New Examination Schools and Buildings for Non-Collegiate Students in the High Street of Oxford.
1073. Decorated Case of a Grand Piano-forte.
- Leiper, William, F. R. I. B. A., A. R. S. A., Glasgow.
1074. A Scotch Mansion.
- Neale, James, F. S. A., F. R. I. B. A., London.
1075. Reredos and Altar, St. Peter's Church, Bushey Heath.
1076. Frogna Gardens, Hampstead.
1077. St. Alban's Abbey, Herts.
1078. New Residences, Tunbridge Wells, Kent.
- Nevill, Ralph, F. S. A., London.
1079. Snowdenham, Surrey. Two views.
1080. Snowdenham, Surrey, Interior of Hall and Stairs.
1081. Lodge and Cottages, Warley.
1082. Cottage Block.
1083. House in Dartmoor.
- Pearson, John L., R. A., London.
1084. View of the Cathedral of Truro, When Completed—from the Southwest.
1085. The North Transept of Westminster, as Now Restored.
- Robson, E. R., F. S. A., London.
1086. Cross Erected in Memory of the Late John Wichcord.
1087. Exterior of the People's Palace at the East End of London.
1088. Interior of the Library and Reading Room of the People's Palace.
1089. Interior of the Queen's Hall of the People's Palace.
1090. Clock Tower at the People's Palace.
1091. View of the Royal Institute of Painters in Water Colors, Piccadilly, London.
- Scott, J. Oldrid, F. S. A., F. R. I. B. A., London.
1092. Design for the New Town Hall at Hamburg by the late Sir G. G. Scott and Mr. J. Oldrid Scott.
1093. Design for the New Town Hall at Manchester.
1094. Lahore Cathedral.
1095. Tower and Spire, Stoke Newington.
1096. Glasgow University, Central Tower.
1097. Falkland Island Cathedral.
1098. Sunningdale Parish Church.
1099. St. Paul's, Manchester.
1100. Organ, Halifax Parish Church.
- Simpson, Fred. M., London.
1101. Staircase.
- Spiers, R. Phene, London.
1102. No. 7 Chelsea Embankment.
1103. Mansion at Impney, in Worcester.
- Stevenson, John J., London.
1104. Kensington Court.
1105. St. Leonard's Church, Perth.
1106. Kenhill, Norfolk.
- Stokes, Leonard, London.
1107. Corpus Christi Priory Church, Manchester, Exterior.
1108. Corpus Christi Priory Church, Manchester, Interior.
1109. New Church, Folkstone.
1110. Broxwood Court, Hereford.
1111. St. Clare's Church, Liverpool.
- Street, Arthur E., London.
1112. Frame of Designs, by the late G. E. Street, R. A.
1113. Kingstone Church, Dorset.
1114. Northwest Porch, Bristol Cathedral.
1115. North Aisle, Bristol Cathedral.
- Tree, Philip Henry, F. R. I. B. A., Leonard's-on-Sea.
1116. Church Schools and Parsonage.
1117. Estate Cottages at Lunsford, Near St. Leonard's-on-Sea.
1118. Highland Mansions—Entrance, Front
1119. Highland Mansions—The Garden, Front.
1120. House and Offices at Battle, Sussex.
1121. Proposed New Workhouse, Hastings
1122. New Wesleyan Church, St. Leonard's Waterhouse, Alfred, R. A., London.
1123. Natural History Museum, South Kensington.
1124. National Liberal Club, Thames Embankment.
- Watson, T. L., F. R. I. B. A., Glasgow.
1125. Offices of the Glasgow Evening Citizen Newspaper.
1126. Royal Clyde Yacht Club, Hunter's Quay.
1127. Design for Glasgow Municipal Buildings.
- Webb, George W., Reading.
1128. The "Roebuck" Hotel on the Thames, Maple-Durham.
1129. Memorial Fountain, Reading.
- Young, William, London.
1130. Municipal Buildings, Glasgow.

HOLLAND.

GROUP 140.

Paintings in Oil.

- Abrahams, Miss A., The Hague.
1. Still-life.
 2. Flowers.
Apol, Louis, The Hague.
 3. Autumn; Sunset.
 4. Near the Water-mill.
 5. Winter Morning.
 6. Thaw, on the River Ysel.
Artz, D. A. C., deceased 1890, The Hague.
 7. Girl Knitting
 8. The Pet Lamb.
 9. Fall in the Fields.
 10. Idle Hours on the Dunes.
 11. Girl Sleeping on the Dunes.
Bakhuyzen, Miss G. J. van de Sande, The Hague.
 12. Plums.
 13. Roses.
Bakhuyzen, Julius J. van de Sande, The Hague.
 14. Summer Morning.
 15. Driving the Cattle Homeward.
 16. Sunset in Drenthe.
Bastert, N., Amsterdam.
 17. The Fall on the River Vecht.
 18. The Bridge at Nederhorst.
 19. Little Breeze on the Vecht.
 20. The White Sail.
Berg, Joan, Paris.
 21. Spring.
Bilders van Bosse, Mrs. M., The Hague.
 22. Littlewood Near Oosterbeek.
Bisschop-Swift, Mrs. K., Scheveningen.
 23. Motherly Cares.
Blommers, B. J., Scheveningen.
 24. At Breakfast.
 25. Washing Day.
 26. On the Beach.
 27. Fishing for Shrimps at Scheveningen.
Bock, Theophile de, The Hague.
 28. Rising Moon.
 29. Beech Trees.
 30. Summer Evening.
Boks, E. J., Antwerp.
 31. Surprised.
Bosboom, J. dec'd 1891, The Hague.
 32. Dutch Reformed Church, Haarlem.
 33. Synagogue, Amsterdam.
Breitner, G. H., Amsterdam.
 34. Dutch Artillery.
 35. Dutch Cavalry.
Calissendorf, A., Ryswyk.
 36. In the Alms House at Ryswyk.
 37. Lawn-tennis.
Cate, S. J. ten, Paris.
 38. Night Scene at Havre.
 39. The Thames, Floodtide.
 40. The Thames, Lowtide.
 41. Dutch Landscape.
Chattel, Fred J. du, The Hague.
 42. The Lake in the Wood.
 43. On the River (Vecht).
 44. A Bright Day.
Dommershuizen, Chr., The Hague.
 45. The Maas near Rotterdam.
Eerelman, O., The Hague.
 46. Horse Fair at Rotterdam.
 47. Winter in Holland.
 48. St. Bernard Dog.
Essen, Jan Van, Scherpenzeel.
 49. Going Homeward.
 50. A Dutch Farmhouse.
Flier, H. F. vander, Baarü.
 51. Flock of Sheep; Afternoon.
Frankfort, Ed., Amsterdam.
 52. Writing of Divorce.
Gabriel, P. J. C., Scheveningen.
 53. Windmills at the Moerdyk (Holland).
 54. The Harvest near Utrecht.
 55. A Corner in the Village, Veenendaal.
 56. A Windmill in the Lowlands.
Haas, J. H. L. de, Brussels.
 57. Landscape with Cattle.
 58. Donkeys on the Shore (Picardy).
 59. Cows on the Dunes.
 60. Cows Resting.
 61. Cows Resting.
Haaxman, P., The Hague.
 62. Summertime.
 63. A Pleasant Correspondence.
Hamel, W., Rolde.
 64. Harvest Time.
Heemskerck van Beest, J. E. van, The Hague.
 65. On the Zuyder Zee.
Henkes, Gerke, Voorburg.
 66. The Benevolent Society, "Dorcas."
 67. The "Regenten."
 68. The Knitting School.
 69. In the Distillery.
 70. A Dutch Peasant.
Hogendorps' Jacob, Mrs. A. van, The Hague.
 71. Roses.
Hoyneck van Papendrecht, J., Amsterdam.
 72. Artillery Review at Utrecht.
Hugenholtz, Miss A., Amsterdam.
 73. On the Heath.
Israels, Jozef, The Hague.
 74. Alone in the World.
 75. Fisherwomen at Zandvoort.
 76. Sweet Home.
 77. Summer Day on the Shore.
 78. Type of a Fisherman.
Jansen, H. W., Amsterdam.
 79. In the Docks (Amsterdam).
 80. Canal at Amsterdam.
Kate, Mari ten, The Hague.
 81. From the Window at Christmastide.
Kate, Mz. Johan M. ten, The Hague.
 82. On the Zuyder Zee, Isle of Marken.
 83. Sailing Out.
Kever, J. S. H., Amsterdam.
 84. In the Garden.
 85. A Little Greedy-Gut.

DEPARTMENT K.—FINE ARTS.

- Klinkenberg, K., Amsterdam.**
 86. Canal at Amsterdam (Sunset).
 87. Drawbridge at Amsterdam.
 88. An Old Tower at Amsterdam.
 89. Canal at Alkmaar.
Maarel, M. vander, The Hague.
 90. A Flower Woman from Haarlem.
 91. A Cook.
Mar, D. de la, Amsterdam.
 92. Peasant Girl.
 93. In July.
Maris, Jacob, The Hague.
 94. The Two Mills.
 95. Between the Hague and Delft.
 96. Dordrecht, Sun Effect.
 97. Fishing Shells.
 98. Canal at Rotterdam.
Maris, William, Voorburg.
 99. Under the Willows.
 100. Milking Time.
 101. Cow and Calf.
 102. Dutch Pasture.
 103. Duck Pond.
Martens, W. J., Berlin.
 104. The original of "Love's Dream."
Martens, Willy, the Hague.
 105. A Cosy Corner.
 106. At the Well.
 107. Housework.
Mauve, Anton (1888), Laren.
 108. Woodcarts on the Heath.
 109. Cows Going Home.
 110. Pasture Near the Dunes.
 111. Ploughing the Fields (Drenthe).
Melis, H. J., Clarlois, near Rotterdam.
 112. Neighborhood of Rotterdam.
 113. Washing Day.
Mesdag, H. W., The Hague.
 114. At Anchor.
 115. Morning on the Shore at Scheveningen.
 116. Ready to Sail Out.
 117. Summer Morning at Scheveningen.
 118. In Danger.
Mesdag van Houten, Mrs. S., The Hague.
 119. Still Life.
 120. Moonlight on the Heath.
 121. Cottage.
 122. On the Heath (Evening Effect).
Mesdag, Kz. T., Scheveningen.
 123. Water Mill at Ruurlo (Gelderland).
 124. View on The Hague from Scheveningen.
 125. In the Dunes.
 126. Sheepcot at Loenen (Gelderland).
Mesdag van Calcar, Mrs. G., Scheveningen.
 127. The Village Road (Vries, Drenthe).
 128. Street at Hattem.
Meulen, F. P. ter, The Hague.
 129. A Sandy Road.
 130. At the River Side.
 131. Winter.
Moes, Miss Wally, Amsterdam.
 132. Praying Together.
Muller, Gerard, Amsterdam
 133. Disappointed.
 134. Afternoon Tea.
Nakken, W. C., The Hague.
 135. Farmhouse in Limburg.
 136. Farmhouse in Welsden.
Neuhuys, Albert, The Hague.
 137. A Sober Meal.
 138. The Mother's Delight.
 139. Dutch Woman and Child.
 140. It is the Last One, Mother.
 141. Rocking the Cradle.
 142. Sunlight.
Nibbrig, F. Hart, Amsterdam.
 143. In the Tulip Fields near Haarlem.
Offermans, T., Laren.
 144. The Village Carpenter.
Oppenoorth, W., The Hague.
 145. The Pond in the Wood of The Hague.
 146. A Mill in the Swamp.
Poggenbeek, George, Amsterdam.
 147. Between Two Dikes.
 148. Sunset.
 149. In the Meadows of Holland.
 150. Near the River.
Roelofs, W., The Hague.
 151. Mills near Rotterdam.
 152. A Dutch Canal.
 153. Pasture Grounds near the Dunes.
Ronner, Mrs. Henriette, Brussels.
 154. Coquetry.
 155. Mischief.
 156. In Confidence.
Roosenboom, Mrs. Marguerite, Voorburg.
 157. A Garland of Roses (upright).
 158. A Garland of Roses (oblong).
Sadee, Ph., The Hague.
 159. On the Beach at Scheveningen.
 160. Shrimp Fishing at Scheveningen.
Schwartz, Miss Therèse, Amsterdam.
 161. The Orphan Girls at Amsterdam.
 162. Portrait of My Mother.
 163. Portrait of Myself.
Tholen, W. B., The Hague.
 164. Through the Woods.
 165. Skating.
 166. Autumn.
Valkenburg, H., Amsterdam.
 167. Will You Give Me a Flower?
 168. Pleasant Gatherings.
Veder, Hendrik, Rotterdam.
 169. View at the Harbor of Flushing.
Verveer, Elchanon, The Hague.
 170. Here They Are.
 171. Expecting the Return of the Boats.
 172. Gazing into the Horizon.
Veth, Bas, Dordrecht.
 173. On the River in December.
Vogel, J. G., Voorburg.
 174. In the Cornfields (Drenthe).
Vos, Hubert, London.
 175. Portrait of H. M. the Queen of Holland.
 176. Old Women's Almshouses.
 177. Poor People.
 178. Angelus.
 179. Interior of a Farmhouse.
 180. Russian Peasant.
Vrolyk, Jan, The Hague.
 181. Evening near the Farmhouse.
 182. Cow Resting.
Weeie, H. J., van der, The Hague.
 183. Ploughing (Summer).
 184. Ploughing (Spring).
Weissenbruch, J. Hendrik, The Hague.
 185. Village Interior.
Wysmuller, J. H., Amsterdam.
 186. A Dutch Town.
 187. Winter Evening (Monnikendam).
 188. Winter Evening (Amsterdam).

HOLLAND.

189. Zilcken, Ph., The Hague.
Golden Leaves.
190. Zwart, W. de, The Hague.
Father's Darling.
191. A Village Corner.
- GROUP 141.**
Paintings in Water Colors.
196. Apol, Louis, The Hague.
Winter Night.
197. A Snowy Road.
Artz, D. A. C., deceased, 1890, The Hague.
198. A Fisherwoman.
199. Sorrow.
200. Sorrow (first sketch).
Bakhuysen, Miss G. J. van de Sande, The Hague.
201. White Roses.
Bastert, N., Amsterdam.
Near the Farm.
202. Winter.
203. Bilders van-Bosse, Mrs. M., The Hague.
204. Under the Beeches.
205. An Alley of Beech Trees.
Blommers, B. J., Scheveningen.
206. The Frugal Meal.
Mother's Darling.
207. Bock, Theophile de, The Hague.
208. Mill and River.
209. Landscape.
Borselen, J. W. van., deceased 1892, The Hague.
210. Dutch Landscape.
211. A Nook of the Farm.
Bosboom, J., deceased 1891, The Hague.
212. Church Interior.
213. Farm Interior.
214. Landscape in the Dunes.
Cate, S. J., ten, Paris.
215. La Rue de la Chapelle, Paris.
216. Eight different Views of Paris.
217. Six Different Views of Paris.
218. Summer Evening (Finistere).
Chattel, Fred J. du, The Hague.
219. Autumn Evening.
220. The Fisherman's Home.
Donders Grandmont, Mrs. Hubrecht, Taormina, Sicily.
221. A Tired Nurse.
222. Worn Out.
Eerelman, O., The Hague.
223. Little Pugs.
Gabriel, P. J. C., Scheveningen.
224. The White House near Deventer.
225. A Dutch Mill.
Henkes, Gerke, Voorburg.
226. A Confidence.
227. Blacksmith Shop.
228. View of Delft's Haven.
Hoeven, Miss C. Pruys van der, The Hague.
229. An Interesting Novel.
Israels, Jozef, The Hague.
230. Motherly Cares.
Jacob, Mrs. A. Hogendorp, The Hague.
231. Chrysanthemum.
Josselin de Jong, P. de, The Hague.
232. Autumn.
233. Sand Barge.
234. Kate, Mari ten, The Hague.
A Bombardment.
235. The Chickens, Isle of Marken.
Kate, Mz. Johan M. ten, The Hague.
236. The Coffee-Call.
237. On the Shore.
Kever, J. S. H., Amsterdam.
238. The Little Sister.
239. The Old Gardener.
240. The Young Gardener.
Klinkenberg, K., Amsterdam.
241. Canal at Amsterdam.
242. Canal at The Hague.
Koster, A. L., Haarlem.
243. The Last Autumn Leaves on The Ancient Bulwarks of Haarlem.
244. Bridge on The Maas at Maastricht.
Maarel, M. van der, The Hague.
245. On the Altar.
Maris, Jacob, The Hague.
246. The Old Nurse.
Maris, William, Voorburg.
247. Young Pigs.
248. Ducks.
Melis, H. J., Charlois, near Rotterdam.
249. Grandmother and Granddaughter.
250. Complaints.
Mesdag, H. W., The Hague.
251. In Danger.
252. On the Beach at Scheveningen, Twilight.
253. On the Dutch Coast.
Mesdag van Houten, Mrs. S., The Hague.
254. Moonlight.
255. Heath.
256. Still Life.
Mesdag Kz., T., Scheveningen.
257. After Harvest.
258. Mill at Leende (Noord Brabant).
Mesdag van Calcar, Mrs. G. Scheveningen.
259. Violets.
Meulen, F. P. ter, The Hague.
260. Sheep Grazing.
261. In the Snow.
Moes, Miss Wally, Amsterdam.
262. In a Village Church.
263. Just Awakened.
Nakken, W. C., The Hague.
264. Farmhouse in Limburg.
265. Farmhouse in Zuyd-Holland.
Neuhyus, Albert, The Hague.
266. The Mother and Her Children.
Offermans, T., Laren.
267. On the Threshold.
268. In the Hothouse.
Oppenoorth, W., The Hague.
269. Cut Trees.
270. Dutch Pasture Ground.
Poggenbeek, Geo., Amsterdam
271. The Duck Pool.
Rochussen, C., Rotterdam.
272. Before the Races.
Roelofs, W., The Hague.
273. Mill at Abcoude (Holland).
274. Water Gulls in the Swamps (Holland).
Roelofs, W., Jr., The Hague.
275. Still-life.
Roosenboom, Mrs. Marguerite, Voorburg.
276. A Branch of Roses.

DEPARTMENT K.—FINE ARTS.

277. Iris.
278. Helianthus.
Sadeè, Ph., The Hague.
279. After the Storm.
Schutz, W. J., Middelburg.
280. Low Tide on the Westerschelde.
Stortenbeker, P., The Hague.
281. Under the Trees.
282. Milking-time.
Valkenburg, H., Amsterdam.
283. Mother and Child.
284. Neighbors.
285. Woman Reading.
Veder, Hendrik, Rotterdam.
286. View of the Maas.
287. View of the Old Harbor of Flushing.
Verveer, Elchanon, The Hague.
288. To the Market.
289. Happy Family.
Veth, Bas, Dordrecht.
290. Discharging a Steamer.
291. River Scene in December.
Voerman, J., Hattem.
292. Still-life.
293. Violets.
Vrolyk, Jan, The Hague.
294. Cow-herders.
295. Cow House.
Weel, H. J. van der, The Hague.
296. Sand Cart.
297. In the Snow.
Weele, H. J. van der, The Hague.
298. A Sandy Road after A. Manver. (Unpublished; plate for sale.)
Weissenbruch, J. Hendrik, The Hague
299. Landscape (Holland).
300. A Sunny Day (Holland).
301. A Young Artist.
302. At the Dutch Coast.
Wysmuller, J. H., Amsterdam.
303. Saw-mills at Amsterdam.
304. A Dutch Landscape.
Zilcken, Ph., The Hague.
305. The Bridge. (After J. Maris.)
306. J. L. Motley. (After C. Bisschop.)
307. Evening. (After H. W. Mesdag.)
308. Primavera. (After M. Maris.)
Zwart, W. de, The Hague.
309. 8 Etchings in one frame.
a Landscape.
b Landscape.
c Figure.
d Landscape.
e Figure.
f Workmen.
g Man and Boat.
- h* Mill.
310. 4 Etchings in one frame.
j Landscape (Drenthe).
k Landscape.
l Landscape.
m Near The Hague.
311. 7 Etchings in one frame.
n Landscape.
o Rotterdam.
p Farmhouse
q Child.
r Milking Time.
s Landscape.
t Street.
312. 3 Etchings in one frame.
u Digging Sand.
v Canal at The Hague.
w Barn.

GROUP 143.

Engravings and Etchings, Prints.

- Croiset van der Kop, Miss J., The Hague.
313. 2 Still-lives in one frame.
314. 2 after H. W. Mesdag in one frame.
315. Japanese Bronzes.
316. 2 Figure and Boats at Scheveningen in one frame.
Dake, Prof. C. L., Amsterdam.
317. Portrait of H. M. the Queen of Holland.
318. Portrait of Ludwig van Beethoven.
Houten, Miss B. E. van, The Hague.
319. After Jules Dupre.
320. After Eugène Delacroix.
321. After J. F. Millet.
322. After Blommers.
323. Study of Birds.
324. 6 etchings in one frame.
325. 3 etchings in one frame.
326. 4 etchings in one frame.
Koster, A. L., Haarlem.
327. 10 original etchings (artist's proofs) of picturesque views along the canal from The Hague to Delft.
328. Etching after the picture of Beguin, "The Quarry" in the museum "Mauritshuis" at The Hague. (Artist's proof.)
Storm van Gravesande. C. N., Brussels.
329. Boats on the Meuse.
330. Breakwater.
331. The Pier.
332. Flushing.
333. The Meuse off Dordrecht.
334. A Dead Calm.

ITALY.

GROUP 139.

Sculpture.

- Albacini, A., Rome.
1. Roman Type. (Marble bust.)
2. Pompeian Flower Girl. (Marble.)
3. Pompeian Water Girl. (Marble.)
4. Innocence. (Marble statue.)
5. Bathing Woman. (Marble statue.)
6. Roman Type. (Marble bust.)
Allegretti, A., Rome.
7. Eve After Sin.
Apolloni, A., Rome.
8. Beatrice. (Marble medallion.)
Apolloni, A., Rome.
9. Hon. Chauncey M. Depew. (Marble bust.)
10. Mrs. Julia Ward Howe. (Marble bust.)

ITALY.

11. Plaster Cast of Robert Burns' Monument.
12. Original Design in Plaster for a monumental fountain; Man Struggling with Marine Monsters.
13. Love's Dream. (Marble head.)
14. Mater Purissima. (Plaster statue.)
15. American Mythology. (Marble statue.)
Argenti, G., Milan.
16. Martyr. (Marble statue.)
17. Modesty. (Marble bust.)
Barbella, C., Francavilla.
18. Ten Small Terra Cottas.
Bastiani, Florence.
19. Vintage.
Bertone, A., Florence.
20. Beneficiata.
21. Fruit Seller.
Bottinelli, A., Rome.
22. Etrusca. (Marble statue.)
23. The Arts. (Six marble statuettes—
Music, Poetry, Painting, Sculpture,
Architecture and Dance.)
24. First Communion. (Marble bust.)
25. The Kiss. (Marble statue.)
Calvin, P., Milan
26. Othello.
27. Mignon.
28. Gipsy.
Calzolari, O., Florence.
29. Fraternal Love. (Marble group.)
Cambi, U., Florence.
30. Mamma's Jewel.
31. On the Micide.
Canonica, P., Turin.
32. Surprise.
33. After the Vow.
Dausch, C., Rome.
34. Night. (Marble.)
35. Day. (Marble.)
De Paoli, L., Pordenone.
36. Icarus. (Plaster Statue.)
Fambri, R., Venice.
37. A Duel. (Bronze.)
Ferrari, E., Rome.
38. Lincoln Dying. (Marble statue.)
39. Lesbia. (Marble bust.)
Fiasehi, Florence.
40. High Wave.
41. Gipsy.
Gariboldi, E., Milan.
42. First Gain.
43. Minstrel.
Galli, R., Milan.
44. Opus.
45. Pastime.
46. A Page.
47. Directoire.
48. A Noble Vow.
49. The Piper.
50. Modesty.
51. Coquette.
52. Pigeon's Trap.
53. Sweet Remembrances.
54. The Widow.
55. Heroine.
56. Christopher Columbus.
Galimberti, G., Milan.
57. Alpine Guide.
Gindici, P., Milan.
58. First Token.
Gonnella, E., Milan.
59. Curiosetta.
60. **Gugliandolo, V., Messina.**
Rosa Donato, Sicilian Heroine.
Lavezzari, V., Genoa.
61. The Fisher Boy.
Luzi, A., Rome.
62. Trasteverina, Roman Type. (Bronze bust.)
63. Sortie de Bal. (Bronze statuette.)
Luzi, A., Rome.
64. Arab Shepherd. (Terra-cotta bust.)
65. President Cleveland. (Terra cotta bust.)
Mattoni, A., Ravenna.
66. Disinherited. (Plaster group.)
67. Sappho. (Marble statue, fragment.)
Monzini, G., Milan.
68. Butterfly.
69. Modesty.
70. Marguerite.
Olivari, G., Genoa.
71. A Wreath (bronze).
Pardo, V., Rome.
72. Christopher Columbus. (Bronze bust.)
Ramazzotti, L., Padova.
73. The Poor Flower Girl. (Marble statue.)
74. Springtime, Song. (Marble bust.)
Ramazzotti, T., Padova.
75. Dream. (Bronze bust.)
Soeboeck, F.
76. Faun and Bacchante.
Soldini, A., Milan.
77. A Thought. (Marble bust.)
Tabacchi, O., Turin.
78. Baigneuse.
79. Tuffolina.
Trentanove, G., Florence.
80. Mrs. Alfred G. Harrison. (Marble bust portrait.)
81. The Last of the Spartans. (Marble statue.)
Troubeskoy, P., Milan.
82. Garibaldi on Horseback.
83. Indian Warrior.
84. Bedouin.
85. Melancholy.
Ventura, A., Milan.
86. Incroyable. (Marble statuette.)
Vignetti, I., Florence.
87. Little Shepherd.
Ximenes, A., Palermo.
88. Mountaineer Piper.
Zucehi, C., Florence.
89. Rebecca.

GROUP 140.

Paintings in Oil.

- Aly, Consoli, Florence.**
90. The Court Astrologer.
Armenise, L.
91. The Village Fête.
Banti, E., Florence.
92. The Twilight.
Barbarini, S.
93. Dead Water.
94. The Train is Coming.
95. Sketches From Nature.
Barucci, P., Rome.
96. On the Roman Appennines. (Lake of Scanno.)
Battistini, Aucona.
97. The Game of Pallina.
98. Dying.
Battaglia, D., Naples.
99. Stable with Cattle.

DEPARTMENT K.—FINE ARTS.

100. Pergolese Rehearsing his Stabat.
Bazzani, L., Rome.
101. At the Fountain. (Pompeii.)
102. In the Peristilium. (Pompeii.)
Bedini, P., Bologna.
103. The Anniversary.
104. The Favorites.
105. Between Two Fires.
106. Victims of Christmas.
Belinoba, Leghorn.
107. The Lady of The Pearls.
Berti, G., Venice.
108. The Banks of the Brenta, after Child's
Harold's Pilgrimage.
Boldini, G., Paris.
109. Three Portraits.
110. An extra Team
Bompiani, A., Rome.
111. In the Woods.
112. Playing truant.
113. On the Sly.
Bordignon, N., Venice.
114. At the Country Inn.
115. Emigrants.
116. Mathilda.
Bottero, G., Turin.
117. Boatmen's Canal.
118. Mestre Canal.
119. The Jurors.
Bruenn, L., Rome.
120. A Summer Afternoon in a Roman Villa
121. The First Born.
122. Music Hath Charms.
Calderini, M., Turin.
123. Painting.
Capone, G., Maiori.
124. Curiosity. (Costume of Maiori.)
125. Summer.
126. Winter.
127. Hush, There is Sister.
128. A Good Piece of Game.
Carcano, F., Milan.
129. Ideal Evening.
130. Alms for Church.
131. Lombard Plain.
132. Harvest of Indian Corn.
133. At Chioggia.
134. Iseo Lake.
135. The Believers.
136. At Asiago.
137. Ignorance.
138. Fall of the Balloon.
139. The Snow Fall at Pescarenico.
140. Rest of Fishermen at Chioggia.
141. A Country Family.
142. Arzago.
143. Study.
144. Sunset.
145. Four Different Subjects.
Cei, C., Florence.
146. Oil Painting.
Ciardi, G., Venice.
147. Southwest Wind.
148. Spring Clouds.
149. Basin of St. George.
150. Sunset at Venice.
151. On the Lagoon.
Coen, S., Venice.
152. Girls of the People (Venice).
Coleman, F., Rome.
153. Queen Catherine of England.
Corelli, A. Rome.
154. In the Woods.
155. The Angelus on St. Peter's Day.
(Roman Harvest.)
Cortese, Naples.
156. The Morning.
157. Paestum.
Corteggiani, M., Palermo.
158. Capucines Catacombs.
Corrodi, H. Rome.
159. The Convent of St. Lazaro.
160. Overflow of the Nile at the Pyramids.
161. The Tower of Charles V at Spezia.
162. Fishermen at Their Shrine.
Costa, A., Genoa.
163. Side of St. Lorenzo Cathedral in Genoa.
Concos, L., Milan.
164. Oil Paintings.
D'Andrea, F., Venice.
165. Flora.
166. Surprise.
Dall'Oca, Bianca A., Verona.
167. The Quadrille.
DaMolin, O., Venice.
168. A Man's Head.
169. The Ill Fed.
DeMartin, G., Naples.
170. Flower Market at Pompeii.
DeTommasi, P., Rome.
171. Golden Dreams.
DeMaria, Bergler E., Palermo.
172. Sicilian Landscape.
DiGiovanni, L., Palermo.
173. Painting.
Dovizielli, Rome.
- 173½ Still Life.
174. Still Life.
175. **Fedreghini, P., Sinigallia.**
175. The Niagara Falls.
176. The Niagara Rapids.
Fillippini, Milan.
177. Alpine Calm.
178. Four Impressions of Venice.
Fragiacomo, P., Venice.
179. Idyl on the Lagoon.
180. The Little Amalia.
181. Summer Clouds.
Frigeri, Bologna.
182. Garibaldi Sailing for Marsala.
Gabrin, P., Rome.
183. At Sea.
184. XII October, 1492. (In the convent of
La Rabida.)
Gallo, G. B., Florence.
185. Family Affections.
Gasperini, L., Venice.
186. Golden Wedding.
187. Thrown Off.
Giannone, N., Palermo.
188. Painting.
Gioli, L., Florence.
189. Pisan Campagna.
Guardabassi, G., Perugia.
190. His Holiness Leo XIII, the latest
portrait, painted from life in the
Vatican, January, 1893.
Guardabassi, G., Rome.
191. The Mayor's Wedding.
192. The Old Gipsy's Prediction.
Guerra, A., Badia di Cava.
193. Beatrice Cenci's Last Moments.
194. Raphael and the Cardinal Sigismondo
Conti.
195. Roman Flower Girl.
196. Good Fortune Teller.

ITALY.

197. Costume of Capri.
 198. The Sanctuary of Cava dei Tirenni.
Guerrieri, A., Florence.
 199. Declaration of Love.
Juglaris, T., Milan.
 200. The Prayer on the Mountain.
Joris, P., Rome.
 201. Recreation in the Country.
 202. The Grandfather's Day.
Loiacono, F., Palermo.
 203. Two Sicilian Landscapes.
Larini, H., Palermo.
 204. Painting.
Laucerotto, L., Venice.
 205. Regatta at Venice.
 206. Madonna.
 207. Vanity Fair.
Lombardo, Calamica G., Palermo.
 208. Painting.
Mancia, L., Palermo.
 209. Painting.
Mancini, F., Naples.
 211. Charge of Cavalry.
Malaspina, A., Milan.
 212. Two Paintings.
Mariani, C., Rome.
 213. The Angel of Music.
 214. Yo Triumphant.
Mariani, M., Rome.
 215. Rebecca. From Scott's Ivanhoe.
 216. Two Flowers.
Mariani, P., Milan.
 217. Five Paintings.
Martinetti, M., Rome.
 218. Malaria.
Milesi, A., Venice.
 219. Papa's Boat.
Mollica, Naples.
 220. Rivals.
Mongili, A., Florence.
 221. Delia.
Moradei, A., Ravenna.
 222. Baby's Inducements.
 223. Would You Like My Rose?
 224. Family Joys.
Menacazzi, C., Venice.
 225. Alpine Landscape.
Musso, G., Palermo.
 226. Visit at the Temple.
Nani, V., Venice.
 227. Consequences of Vice.
 228. Teasing Surprise.
Nobili, R., Florence.
 229. Listening.
 230. The Mass in St. Mark's of Venice.
Novo, S., Venice.
 231. Fruit Seller in Venice.
 232. The Want of All.
 233. Fruit Shop in Venice.
Panerai, R., Florence.
 234. Landscape with Cattle.
Petiti, F., Rome.
 235. Sorrento Marine.
Prati, E., Aniedo.
 236. First Flowers in Venice.
Pusterla, A., Milan.
 237. Painting.
Quaranta, G., Milan.
 238. Painting.
Ragusa, E., Palermo.
 239. Fled Away.
 240. The Giulia.
241. Painting.
Rapetti, C., Milan.
Reycind, E., Turin.
 242. On the Po Embankment at Turin.
Rinaldi, C., Florence.
 243. Hopeless.
Rocchetti, Torres A., Palermo.
 244. Painting.
Roi, P., Venice.
 245. Vanity.
 246. The Friends of Once.
Rossi, Florence.
 247. The Stable.
Ricci, F., Rome.
 248. Rehearsing the Lesson.
 249. Interrupted Nap.
 250. Sweet Remembrances.
Riols, Palermo.
 251. Painting.
Salvadori, R., Milan.
 252. 3 Paintings.
Sartorelli, Venice.
 253. On the Lagoon.
Satini, P., Florence.
 254. Interior.
Santoro, R., Naples.
 255. In the Bay of Naples.
 256. Gipsies.
Savius, A., Bologna.
 257. Post Nubile Phœbus.
 258. In the Fields.
Scarpinato, F., Palermo.
 259. Oil Painting.
Serena, L., Treviso.
 260. Stall.
Spence, W., Florence.
 261. Oil Painting.
Simoni, G., Rome.
 262. Oriental Woman on the Terrace.
Stefani, L., Milan.
 263. Painting.
 264. Painting.
Tano, E., Florence.
 265. Tuscan Country.
Tarenghi, E., Rome.
 266. Contemplation.
Ferrara, O., Naples.
 267. Faith.
Tiratelli, A., Rome.
 268. Herd of Sheep Crossing the Roman
 Campagna.
Tom, Milan.
 269. Painting.
 270. Painting.
 271. Painting.
Tommasi, A., Leghorn.
 272. Return From the Market
 273. After Sunset.
Tuminetti, A., Milan.
 274. Oil Paintings.
Trombone, A., Naples.
 275. Landscape.
Van Elven, P. T., Milan.
 276. Caravan by the Dead Sea.
 277. Market at Chaumont.
Vollaro, P., Naples.
 278. A Moment of Rest.
Wolf, Venice.
 279. In the Kitchen.
Zanetti, G., Venice.
 280. The Garden of Venice.
 281. The Island of Malamocco and Tor-
 cello.

DEPARTMENT K.—FINE ARTS.

282. Canal of Torcello.

GROUP 141.**Paintings in Water Colors.**

Aureli, G., Rome.

283. Presentation of Monseigneur de Richelieu to Henri IV of France.

Battaglia, A., Rome.

284. Mower Girls in the Campagna.

Crisafi, N., Palermo.

285. Monte Pellegrino. (Palermo.)

286. Guadagna on River Oreto.

Corelli, A., Rome.

287. Woman of the Latium.

288. Man of the Latium.

289. Serenade.

De Tommasi, Rome.

290. Making Ready for the Procession.

291. The Best of the Booty.

292. Say, Yes.

293. Puzzled.

Guardabassi, G., Rome.

294. Scholar Monk.

295. Holy Water Cup, St. Peter's Church, Rome.

Martinetti, M., Rome.

296. Beggar.

Fennachini, D., Rome.

297. Baby is No More!

298. Tarantella.

Simoni, G., Rome.

299. Market at Sorrento.

300. The Last Days of the Ramadam.

Tiratelli, C., Rome.

301. The Patron Saint's Day.

GROUP 144.**Chalk, Charcoal, Pastel and Other Drawings.**

Capranica del Grillo G.

302. Nennella.

303. Thecla.

304. Truth.

JAMAICA.

GROUP 140.**Paintings in Oil.**

Lee, Mrs. L., Chapelton.

1. Paintings.

Thompson, Charlton, Morant Bay.

2. Paintings.

GROUP 141.**Paintings in Water Colors.**

Bland, Mrs., Trinityville.

3. Paintings of Flowers.

JAPAN.

GROUP 139.**Sculpture.**

Bunzo, Fujita, Tokio.

1. Plaster cast.

Hiromu, Okada, Tokio.

2. Bronze group.

Ichitaro, Morimura, Tokio.

3. Copper art work.

Kanetaro, Imai, Tokio.

4. Bronze cast.

Kaneya, Miyashita, Tokio.

5. Marble. (Sculpture.)

Koun, Takamura, Tokio.

6. An Old Monkey. (Sculpture.)

Kuhei, Hayashi, Tokio.

7. Bronzes.

Masakichi, Suzuki, Tokio.

8. Bronzes.

Tadaichi, Shiotsu, Shimane.

9. Chased picture frame.

Teruchika, Tamino, Toyama.

10. Incense burner.

Totarō, Kikuchi, Tokio.

11. Bronzes.

Tsuginori, Kozaki, Tokio.

12. Bronzes.

Tsunetaro, Nakamura, Tokio.

13. Plaster casts.

Yazaemon, Yokoyama, Tokio.

14. Bronzes.

Yeikichi, Hayashi, Tokio.

15. Bronzes.

GROUP 141.**Paintings in Water Colors.**

16. A collection of 186 paintings in water colors after the Japanese style, no object titles being furnished:

Sinjiro Ikeda, Jimpachi Ito, Shume Iwasaki, Yoshibumi Inouye, Ryotaro Hara, Tadakuni Hashimoto, Motoharu Nishiwaki, Nankoku Osawa, Kunitaro Keneda, Masanobu Kano, Yubi Tanaka, Ryuzaburo Takahashi, Osamu Tsuchida, Mokichi Nagamine, Seitaro Nagase, Kokoku Murata, Yoshio Muraska, Yashiro Ujii, Bunkyo Nomura, Beisen Kubota, Fuko Matsumoto, Hono Fukuda, Tama Komiya, Rie Asama, Jyotaro Araki, Sojiro Saito, Masaaki Yuki, Toshiaki Shimamura, Sessho Sug-

JAPAN.

itani, Chikanobu Hashimoto, Gaho Hashimoto, Kunichika Toyowara, Gekko Ogata, Shotei Watanabe, Nobu Tomo Kano, Gyokusho Kawabata, Katei Taki, Gyokuden Murase, Yukoku Noguchi, Koseki Kose, Kanho Araki, Sessho Sugitani, all of Tokio; Renjyo Ichimi, RASHU Ishikawa, Keisen Ikeda, Shigeo Iwashima, Keinen Imao, Kansan Inouye, Keikwa Hasegawa, Gyokujyun Hasegawa, Gesshu Hada, Zaisen Hara, Goun Nishimura, Seido Bessho, Mitsutake Tosa, Yusetsu Tokuriki, Bunkwa Obata, Shuseki Okutani, Setsuka Kanzaka, Kogai Kawamura, Yoshimichi Kawabe, Shigyokudo Kato, Yurin Kakehi, Kwakyo Kado, Seisho Yoshida, Setsudo Yoshioka, Seikei Yoshitani, Kokyo Taniguchi, Gekko Tanaka, Seiho Takenouchi, Yuho Tanaka, Shigeyo Takenouchi, Tadataka Takenouchi, Yuko Takegawa, Shunrin Taniguchi, Ichikwa Tanaka, Soryu Tamura, Sekkei Tanaka, Seiroku Tanomura, Shuho Tanomura, Shinko Tanomura, Shoko Tanomura, Kwako Tsuji, Kai Tsuda, Eirin Tsuchida, Koho Nagai, Keizan Mumemura, Manshu Uveda, Kitsudo Uchimi, Oyo Kunii, Shunkyo Yamamoto, Masayuki Yamamoto, Bunko Yamada, Busetsu Yasuda, Korei Mayekawa, Chikusui Maruyama, Bunryo Mayekawa, Gyokushu Fujii, Shunsui Buto, Seiren Fujishima, Daiseki Fujita, Jyogaku Kojima, Gokyo Kobayashi, Ryukyo Asae, Bunsui Sakakibara, Gyokukei Sawazu, Hobun Kikuchi, Kwangetsu Kimura, Chikudo Kishi, Kyugaku Kishi, Gokyo Miyake, Koho Mizuno, Gyokusho Minoda, Senseki Shibayama, Toyo Shimizu, Gekkwa Momoi, Shungaku Mori, Bunbin Hisamatsu, Tamahiko Suzuki, Shonen Suzuki, Zaisen Hara, Mitate Kawabe, Bairei Kono, Chikudo Kishi, all of Kioto; Gotaro Emori, of Osaka; Katsuyoshi

Shoami, of Okayama; Keinen Imao, Tanshin Tsuruzawa, Naohiko Kumagai, Nagatoshi Sakakibara, Gyokusen Mochizuki, Sobun Morikawa, Shonen Suzuki.

GROUP 142.

Paintings on Ivory, on Enamel, on Metal, on Porcelain or Other Wares; Fresco Paintings on Walls.

- Eizaburo Kato, Nagoya.
- 17. Enamel.
Haruzane Higuchi, Saga.
- 18. Painting on Porcelain.
Jimbei Kawashima, Kioto.
- 19. Kawashima Goblin, with Flower Basket.
Jyubei Kato, Nagoya.
- 20. Enamel.
Kanzaburo Shimizu, Tokio.
- 21. Hanging Pictures.
Tetsunojyo Atobe Najoya.
- 22. Painting on Porcelain.

GROUP 144.

Engravings and Etchings; Prints.

- 23. A Collection of "hanging" pictures by the following artists, no subject titles being furnished:
Sutezo Hayashi, Shokoku Wakabayashi, Hiromatsu Nakagawa, Fujigusu Nakatani, Ushimatsu Nakagawa, Zempachi Yamada, Harumichi Matsumoto, Naoshiro Fukata, Naobumi Fukata, Unsen Koyama, Mitsuteru Sawai, Toranosuke Hirai, Tai Morizumi, all of Osaka.

GROUP 145.

Antique and Modern Carvings; Engravings in Medallions or in Gems.

- Ichitaro Morimura, Tokio.
- 24. Carved Ivory.
Kuhei Hayashi, Tokio.
- 25. An Eagle. (Carved wood.)
Tokisaburo Masui, Shizuoka.
- 26. Engraved Metal.

NEW SOUTH WALES.

GROUP 139.

Sculpture.

- Chevreux, A. F., Sydney.
- 1. Specimens of fruits carved in New South Wales marble. 820
- Hooworth, G., Sydney.
- 2. Figure of "Diana," executed in New South Wales freestone. 820
- McCarthy, C. W., M. D., F. R. C. S. I., Sydney.
- 3. Portrait bust, in plaster, of Madame Sara Bernhardt. 820
- 4. Portrait bust, in plaster, of Mr. John Dillon, M. P. 820

GROUP 140.

Paintings in Oil.

- Art Society of New South Wales, Sydney.
- A collection of paintings in oil by members of the society:
Piguenit, W. C.
- 5. Sunset, Looking up Lane Cove from the Avenue.
- 6. Spring; Lane Cove from Italia.
Stephens, Miss E. A.
- 7. White Peonies.
- 8. Portrait of Hon. James Norton, M. L. C., M. D.

DEPARTMENT K.—FINE ARTS.

- Williamson, Mrs.
 9. Hollyhocks.
 10. Gum-tree Blossoms.
 11. Single White Roses.
 12. Christmas Bush.
 13. View from Coalcliff, New South Wales.
Creed, Miss.
 14. Star of Bethlehem.
 15. Sunflowers.
Collingridge, A.
 16. Woy woy, Brisbane Water.
Reid D. G.
 17. Autumn Pasture, Richmond, New South Wales.
Fischer, A. J.
 18. "Revenge."
Gant, J.
 19. Sunset, Ruamahunga River, New Zealand.
Halligan, Mrs. G.
 20. Kennedyea Rubeia.
 21. Wistaria.
Willis, Miss.
 22. Study of Loquats.
Fullwood, A. H.
 23. "How sweet the moonlight sleeps upon this bank,
 Here we will sit, and let the sounds of music
 Creep in our ears; soft stillness of the night
 Becomes the touches of sweet harmony."
Fullwood, A. H.
 24. Shoalhaven River, from Cambewarra.
 25. Rain and Sunshine.
Hunt, C. H.
 26. Summer.
 27. The Milkmaid.
McIlwair, Mrs.
 28. Australian Swamp Oaks.
 29. In the Shade of the Gum Tree.
 30. A Bit of Australian Bush.
Bell, Miss Ada.
 31. Flowers from the Residence of Sir Spencer Wells, Hampstead, London.
Bell, Miss Ada.
 32. English Blue Flags.
McGregor, A. S.
 33. Derelict.
 34. Port Phillip by Night—A Calm.
Collinridge, Arthur.
 35. Discovery of the Hawkesbury River by Captain Phillip.
Collinridge, Arthur.
 36. Man-of-War Steps, Sydney Harbor.
Combes, Edward, C. M. G., M. L. C., Sydney.
 37. Monument of La Perouse, Botany Bay.
Doyle, Miss J. M., Goulburn.
 38. Scene from Lake Bathurst.
Drinkwater, Charles, Newcastle.
 39. Nambucca River, from Fernmount, looking north.
Flemming, Mrs. M. P., Sydney.
 40. William Ewart Gladstone Eyre.
 41. Portrait: "The Most Rev. Archbishop Vaughan, Sydney."
Holden, R. Henry, Kiama.
 42. Aborigines of New South Wales Wild Duck Hunting.
- Holmes, Cecil, Sydney.**
 43. Portrait from life: Sir Henry Parks, G. C. M. G., M. P.
M'Carthy, C. W., M. D., F. R. C. S. I., Sydney.
 44. Portrait: Madame Sara Bernhardt as "Cleopatra."
Pinhey, Mrs. Charles, "Aratong," Sydney.
 45. Southdown Sheep.
Rowan, Mrs. Ellis, Upper Macedon, Victoria.
 46. Panels of Lilies.
 47. Panel-Acanthus.
Sherman, Mrs. L. S., Sydney.
 48. The Young Medical Student.
Thomas, Woolaston J., Sydney.
 49. A Pioneer's Quarters, Campbelltown.
Trustees of the National Art Gallery of New South Wales, Sydney.
 A loan collection of paintings in oils by artists of New South Wales.
Ashton, J. R.
 50. Portrait of Sir Henry Parkes, G. C. M. G., M. P.
Ashton, J. R.
 51. The Prospector.
Lister, W. Lister.
 52. After the Shower.
Spence, Percy.
 53. "The Ploughman Homeward Plods His Weary Way."
Piguenit, W. C.
 54. The Upper Nepean.
Mahoney, Frank P.
 55. Rounding up a Straggler.
Hunt, C. H.
 56. Evening.
Condor, C.
 57. Departure of the "Orient."
Mahoney, Frank P.
 58. "As in the Days of Old."
Roberts, Tom.
 59. Eileen.
Roberts, Tom.
 60. Aboriginal Head.
Stoddart, Mary.
 61. "From Earth to Ocean."
Fullwood, A. H.
 62. The Station Boundary.
Watson, A. E., Sydney.
 Loan collection of oil paintings, by J. H. Carse.
 63. Cattle Watering, Bulli Pass.
 64. Farmyard at Mulgrave. (N. S. W.)
 65. Scene at Tilba Tilba. (N. S. W.)
 66. Weatherboard Falls, Blue Mountains. (N. S. W.)
 67. Mountain Scene, Katoomba. (N. S. W.)
 68. Miner's Camp by Moonlight, Lithgow. (N. S. W.)
 69. Scene on the Mountains, Mount Victoria. (N. S. W.)
 70. Palette Knife Scene, Bulli Pass. (N. S. W.)
 71. Coast Scene, near Botany. (N. S. W.)
 72. Wheeny Creek, Hawkesbury River. (N. S. W.)
 73. Bulli Pass and Kiama in the distance. (N. S. W.)
 74. Scene at Mossman's Bay. (N. S. W.)
 75. Scene at Emu Plains. (N. S. W.)
 76. Scene at Richmond. (N. S. W.)

NEW SOUTH WALES.

77. Scene on the Hawkesbury River. (N. S. W.)
78. Coast Scene, Bondi. (N. S. W.)
79. Scene, Parramatta River. (N. S. W.)
80. Scene at Pitt Town, on the Hawkesbury River. (N. S. W.)
81. Coast Scene, Broken Bay. (N. S. W.)
82. Hut by Moonlight at Broken Hill. (N. S. W.)
83. Scene at Port Jackson. (N. S. W.)
84. Swamp Scene near the Coast, Manly. (N. S. W.)
85. Scene at Randwick. (N. S. W.)
86. Scene at Narrabeen. (N. S. W.)
87. Bark Hut, Clyde River. (N. S. W.)
88. Creek Scene, Blue Mountains. (N. S. W.)
89. Scene at Gosford. (N. S. W.)
90. Mountain Scene, Kurrajong. (N. W. S.)
91. Three Deserted Hut Scenes, Morning, Noon and Night. (N. S. W.)
92. Scene at Broughton Pass. (N. S. W.)
93. Grose Valley. (N. S. W.)
94. Coast Scene, Newcastle. (N. S. W.)
95. Wattle Flat. (N. S. W.)
96. Bulli Pass. (N. S. W.)
97. Scene at Blacktown. (N. S. W.)
98. Coast Scene at Coogee Bay. (N. S. W.)
99. Bushrangers' Bay. (N. S. W.)
100. Scene at Woy Woy, Brisbane Water. (N. S. W.)
101. Scene in New Zealand.
102. Three Pallette Knife Scenes, Lane Cove River.
103. Scene on the Lynn. (N. S. W.)
104. Scene on the Lynn. (N. S. W.)
105. Loch Ard.
106. Scene on the Nepean River. (N. S. W.)
107. Bush Fire.
108. Cattle Track.
- GROUP 141.**
- Paintings in Water Colors.**
- Art Society of New South Wales, Sydney. A Collection of Paintings in Water Colors, by Members of the Society:
- Hunt, C., Horbury.
109. On the Hawkesbury.
110. Valley of the Murrumbidgee.
- Minns, B. E.
111. Lady Macquarie's Chair.
- Spence, P. F. S.
112. Sheep Droving, Australia.
- Heron, W.
113. Looking Seaward, Little Coogee Bay.
- McGregor, A. S.
114. A Rift in the Storm.
115. A Summer Day, Cape Schank.
- Rowan, Mrs. Ellis, Derreweit, Upper Macedon, Victoria.
- A collection of 99 pictures of the flora of Australasia; painted by the exhibitor.
116. Goodennis Coerules. (W. A.)
- Leschenaultia Floribunda. (W. A.)
117. Cassia Brewsterii. (Cairns Ranges, Q.)
118. Alectryon Excelsum. (N. Z.)
119. Rhodomyrtus Macrocarpa. (Q.)
120. Albizzia Lucyi. (Cairns, Q.)
121. Persoo Niapinifolia. (N. S. W.)
- Capparis Nobilis. (N. S. W.)
122. Coleus Scutellarioides. (Q.)
- Aneilema Gramineum. (Q.)
123. Verticordia Nitens. (W. A.)
- Verticordia Nitens. (W. A.)
- Verticordia Nitens. (W. A.)
124. Josephinia Grandiflora. (Somerset, Q.)
- Grevillea Polystachya. (Q.)
125. Hibiscus Hügeli. (W. A.)
126. Erythrina vespertilio. (Prince of Wales Island.)
127. Gossypium Sturtii. (N. S. W.)
128. Tylophora Grandiflora. (N. S. W.)
- Hemigenia Purpurea. (N. S. W.)
- Eremophila Bignoniflora. (N. S. W.)
129. Brachychiton Bidwilli. (Q.)
130. Asclepias Curassavica. (Normandy, Q.)
131. Dendrobium Bigibbum. (New Guinea.)
132. Cordylone Murchisonia. (Rockhampton.
- Melaleuca Leucadendron. (Rockhampton.
133. Boronia Microphylla. (N. S. W.)
- Lasiopetalum Ferrugineum. (N. S. W.)
- Mitrasacme Polymorpha. (N. S. W.)
- Drasophyllum Secundum. (N. S. W.)
134. Sesbania Grandiflora. (W. A.)
135. 1. Andersonia Cœrulea. (W. A.)
2. Cryptandra Arbutiflora. (W. A.)
136. Hibiscus Manihot. (W. A.)
137. Erythrina Indica. (Somerset, Q.)
138. Metrosideros Florida. (N. Z.)
- Hoheria Populnea. (N. Z.)
139. Eucalyptus Calophylla. (W. A.)
140. Boronia Ledifolia. (N. S. W.)
- Boronia Triphylla. (N. S. W.)
141. Hoheria Populnea. (N. Z.)
142. 1. Dendrobium Sumneri. (Q.)
2. Dendrobium Canaliculatum. (Q.)
143. 1. Eriostemon Danceolatus. (N. S. W.)
2. Eriostemon Umbellatus. (N. S. W.)
144. Euyptus Ficifolia. (W. A.)
145. Capparis Lasiantha. (W. A.)
146. Clianthus Dampierii. (S. A.)
147. Grevillea Robusta. (Q.)
148. Cryptandra Arbutiflora. (W. A.)
- Hovea Triaperma. (W. A.)
149. Hibiscus Heterophyllus. (N. S. W.)
150. Actinotus Helianthi. (N. S. W.)
- Hovea Linearis. (N. S. W.)
- Euphrasia Brownii. (N. S. W.)
151. Calycothrix Muricata. (W. A.)
- Calycothrix Strigosa. (W. A.)
- Calycothrix. (W. A.)
152. Ceratopetalum Gummiferum. (N. S. W.)
153. Albizzia Tozeri. (Q.)
154. Clematis Aristata. (N. S. W.)
155. Eugenia Macrocarpa. (Q.)
156. 1. Dampiera Spicigera. (W. A.)
2. Triraphis Bromoides. (W. A.)
157. Tetratheca Nuda. (W. A.)
158. 1. Sprengelia Incarnata. (N. S. W.)
2. Epacris Pungens. (N. S. W.)
3. Thryptomene Ciliata. (N. S. W.)
159. Melaleuca Wilsoni. (Vict.)
- Kunzea Corifolia. (Vict.)
- Melaleuca Ericifolia. (Vict.)
160. Ipomœa pes Capræ. (Somerset, Q.)
- Hypoestes Floribunda. (Q.)
161. Arauja Albens.
- Styphelia Aggregatta. (N. S. W.)
162. Eugenia Var. Macrocarpa.
163. Dendrobium Spicuosum. (N. S. W.)
164. Billardera Longiflora. (Tas.)

DEPARTMENT K.—FINE ARTS.

165. *Gualtieria Hispida*. (Tas.)
 166. *Eucalyptus Maculata*. (Vict.)
 166. *Halgania Corymbosa*. (W. A.)
 Spinifex Longifolius. (W. A.)
 Stylobasium Spathulatum. (W. A.)
 167. *Hakea Amplexicaulis*. (W. A.)
 Bossiaea Pulchella. (W. A.)
 168. *Abutilon Geranioide*. (W. A.)
 Claytonia Polyantra. (W. A.)
 169. *Ipomœa Grandiflora*. (Q.)
 Dracaena Angustifolia. (Q.)
 170. *Hibiscus Rosa Sinensis*. (China.)
 171. *Eremaea Violacea*. (W. A.)
 Eremaea Acutifolia. (W. A.)
 Melalauca.
 Balaustion Pulcherrimum. (W. A.)
 127. *Telopea Specioissima*. (N. S. W.)
 173. *Cochlospermum Gillivrayi*. (Q.)
 174. *Bombax Malabaricum*. (Q.)
 175. *Dendrobium Superbiens*. (Q.)
 176. *Candollea Pilosa*. (W. A.)
 Sphenotoma Squarrosium. (W. A.)
 Scaevola. (W. A.)
 Lobelia Tenuior. (W. A.)
 Conospermum Densiflorum. (W. A.)
 177. *Dendrobium Undulatum*. (W. A.)
 178. *Kennedyia Coccinea*. (W. A.)
 179. *Clitoria Ternatea*. (Fern Island Q.)
 180. *Pimalea Sulphurea*. (W. A.)
 181. *Gompholobium Polymorphum*. (W. A.)
 Marianthus Coeruleo-punctatus. (W. A.)
 182. *Marianthus Ringens*. (W. A.)
 Astartea Fascicularis. (W. A.)
 183. *Kennedyia Nigricans*. (W. A.)
 184. *Melaleuca*. (N. S. W.)
 185. *Anthocercis Viscosa*. (W. A.)
 Kennedyia Comptoniana. (W. A.)
 186. Victorian Flowers.
 187. *Aster Exul*. (W. A.)
 188. Group of *Stylidiids*. (W. A.)
 189. Group of *Hakeas*. (W. A.)
 190. *Grevillea*. (N. S. W.)
 191. Group of *Sundews*. (W. A.)
 192. *Patersonia Glabrata*. (N. S. W.)
 193. *Evolvulus Alsinoides*. (Q.)
 Lindernia Crustacea. (Q.)
 194. *Tecoma Australis*. (Q.)
 195. *Epacris Impressa*. (Vict.)
 196. *Ipomœa Grandiflora*. (Q.)
 197. *Erica*. (N. S. W.)
 198. *Eugenia*. (Q.)
 199. *Hugonia Jenkinsii*. (Q.)
 200. *Tabernaemontana Pubescens*. (Q.)
 201. *Exocarpus Cupressiformis*. (Vict.)
 Aster Myrsinoides. (Vict.)
 Aster Ramulosus. (Vict.)
 Varonica Derwentia. (Vict.)
 202. *Zyris Pauciflora*. (Q.)
 Aneilema Grammineum. (Q.)
 Philhydrium Lanuginosum. (Q.)
 Candollea.
 203. *Erythrina Indica*. (Q.)
 204. *Chloris Ventricosa*. (Q.)
 Wahlenbergia Gracilis. (De Candolla Q.)
205. *Phaseolus Adenanthus* (Meyer. Q.)
 Marianthus Bignoniaceu (F. v. M. Vict.)
 206. *Anigozanthos Manglesii*. (W. A.)
 Anigozanthos Bicolor. (W. A.)
 207. *Anigozanthos Fuliginosus*. (W. A.)
 Abutilon Micropetalum. (Q.)
 208. *Aristotelia Peduncularis*. (Tas.)
 Notelea Ligustrina. (Tas.)
 Styphelia Billardieri. (Tas.)
 209. *Platytheca Galioides*. (W. A.)
 Tetratheca Hirsuta. (W. A.)
 210. *Styphelia Xerophylla*. (W. A.)
 Daviesia Cordata. (W. A.)
 Ricinocarpus Glaucus. (W. A.)
 211. *Hovea Celsi*. (Perth, W. A.)
 Daviesia Nudiflora (Perth, W. A.)
 212. *Bauhinia Hookeri*. (Q.)
 Euryclesamboinensis. (Q.)
 Erythrina Indica. (Q.)
 Sharp, Alfred, Newcastle.
 213. The Christmas Tree of New Zealand in Bloom.
 214. Banks of Camden Haven River, New South Wales.
 215. The Vegetable Octopus of New South Wales.
Trustees of the National Art Gallery of New South Wales, Sidney.
 Loan collection of water-color drawings, by artists of New South Wales.
Minns, B. E.
 216. Crescent Head, Point Plomer.
 Fullwood, A. H.
 217. Kangaroo Valley.
 218. Cathedral Rocks, Kiama.
 219. Jervis Bay, Shoalhaven River.
 Roth, A. B.
 220. Bathurst Plains, from Kelso Churchyard.
 Ashton, J. R.
 221. The Shoalhaven River at its Junction with the Broughton.
 Lister, W., Lister.
 222. Stonehenge, New England.
 223. Graham's Valley, New England.
 Ettern, C.
 224. Govett's Leap.
 Commons, Donald.
 225. The Coast, near Ben Buckler.
 Bevan, E.
 226. "A Preliminary Puff"
 Hanson, E.
 227. Silvery Seas.
- GROUP 144.**
- Chalk, Charcoal, Pastel and Other Drawings.**
- Grice, Benjamin J., Sydney.**
 228. Design for ceiling decoration.
 Montefiore, E. L., J. P., R. A. A. S. A., Sidney.
 229. Original drawing in candle-smoke: Coast Scene, Bondi, Sydney.

NORWAY.

GROUP 139.**Sculpture.**

- Sinding, Johanna, Copenhagen.
 1. By the Shore.
 2. A Child.
 Svor, Anders, Christiania.
 3. David.
 4. A Farmer.
 5. A Little Girl.
 Tønnesen, Ambrosia, Bergen.
 6. Hjordis.
 Visdal, T., Christiania.
 7. Bust of Mr. Knudsen.

Class 822.

- Skeibrok, Mathias, Christiania.
 8. Bust of Bjornstjerne Bjornson.

GROUP 140.**Paintings in Oil.**

- H. R. H. Prince Eugen.
 9. Lake.
 10. Landscape.
 Arbo, P. N.
 11. Valkyrie.
 Backer, Harriet, Christiania.
 12. From Tannum Church.
 Berg, Gunnar, Svolvar.
 13. From Lofoten.
 Borgen, Fr., Christiania.
 14. From Gudbrandsdalen.
 15. Landscape (Autumn).
 16. From Southern Norway.
 17. Norwegian Landscape.
 18. From Ojer.
 Bratland, Jac., Christiania.
 19. A Commission for Tax Assessment.
 Collett, Fredrik, Christiania.
 20. Winter.
 21. After Sunset.
 22. Thawing Weather.
 23. The Devil's Hole.
 24. Mesna, Lillehammer.
 Diriks, Edvard, Christiania.
 25. On the Norwegian Coast.
 26. Winter.
 Falsen, Mimi, Christiania.
 27. In Thought.
 Gloersen, Jacob, Christiania.
 28. After Sunset.
 Grmelund, Johs., Paris.
 29. At the Entrance of the Hardangerfjord.
 Gronvol, Bernt., Bergen.
 30. Summer Day in Norway.
 31. An Old Man.
 Gude, Nils., Christiania.
 32. Heartsick.
 33. Portrait. (Henrik Ibsen.)
 Hansteen, Nils., Christiania.
 34. Norwegian Fjord.
 35. Norwegian Landscape.
 36. Marine. (Pilot.)
 37. From Oresund.
 38. From Hornbak. (Denmark.)

39. Winter Day at Skagen. (Denmark.)
 Heyerdahl, Hans, Christiania.
 40. Oui ou Non.
 41. Bathing Boys.
 42. Fishers.
 43. By the Shore.
 44. Birch Woods.
 45. From Aasgaardstrand.
 46. Portrait of Mr. Sivert Nielsen, President of the Storthing: (Norwegian Congress.)
 47. Portrait of Mrs. Laura Gundersen.
 Hjerlow, Ragnvald, Christiania.
 48. Springtime in Paris.
 Hjersing, Arne, Christiania.
 49. From Asker.
 Holmboe, Thorolf, Christiania.
 50. In the North Sea.
 51. Nocturne.
 52. Autumn.
 53. Marine.
 54. Snow Storm.
 Jorgensen, Sv. Drammen.
 55. Want of Employment.
 Kaulum, H., Laurkullen.
 56. Herringfishery at Hvaløerne.
 57. From Skiorhalden.
 58. From the Herringfisheries.
 59. Herringfishery, Winterday.
 Kielland, Kitty, Stavanger.
 60. The Christiania Fjord.
 61. An Old Bridge in Norway.
 62. Summer Night in Norway.
 Kolsto, Fr., Bergen.
 63. A Summer Day on the Coast.
 64. The Ship's Boy.
 Konow, Karl, Gausdal, Norway.
 65. Going to Church.
 Krohg, Christian, Christiania.
 66. Leif Eriksson Discovers America.
 Krohg, Oja, Christiania.
 67. Summer Evening.
 68. Sun Spots.
 Larum, Oscar, Christiania.
 69. Twilight.
 Moe, Sigurd, Stavanger.
 70. From Hafrsfjord.
 Munthe, Gerhard, Sandviken, Christiania.
 71. Evening in Eggedal Norway.
 72. Girl, Hallingdal.
 73. The Old Farm.
 74. Winter.
 Munthe, Ludv., Dusseldorf.
 75. Norwegian Village.
 Müller, Johns, Ostre Aker.
 76. The Last Sun-rays.
 77. Cloudy Weather.
 Möller, N. B.
 78. Norwegian Landscape.
 Normann, Adelsten, Berlin.
 79. Summer Night Lofoten.
 80. Raftsund Lofoten.
 81. North Wind. (Coast of Norway.)
 Petersen, Eilif, Christiania.
 82. Evening.

DEPARTMENT K.—FINE ARTS.

83. Sheep Shearing.
 84. A Strand Bird.
 85. Summer Day.
 86. Portrait. (Alexander Kielland.)
 87. Summer Evening.
Ring, Helga, Fredrikstad.
 88. Carriage Gentry Passing.
 89. Busy.
Rusti, Olav, Leikanger-Sogn.
 90. From the Cloister of Maulbronn.
 91. Cloisterhall.
Schiwe, Jacob, Helsingor.
 92. Winter in Germany.
Sinding, Otto, Christiania.
 93. From Rondane.
 94. Misty Morn.
 95. Summer Night.
 96. Wreckers.
 97. The Glacier.
 98. Mountain Pasture.
 99. From Lofoten.
Singdahlsen, Andreas, Christiania.
 100. Sunset.
Skredsvig, Chr., Sandviken.
 101. The Son of Man.
 102. Winter.
Somme, Jacob, Christiania.
 103. The Lay Preacher.
 104. Three Fishers.
Sömme, L., Christiania.
 105. Interior.
Sörensen, Jorgen, Christiania.
 106. From Romsdalen.
 107. The Old Pavilion.
Stenersen, Gudmund, Stavanger.
 108. Sunday.
 109. Snowy Day in the Fjords.
 110. Peasant's House.
Steiniger, Agnes, Bergen.
 111. Les Nourrissons.
 112. Portrait.
Strom, Halfdan, Lillehammer.
 113. Siesta.
 114. Portrait.
Stromdal, Georg., Christiania.
 115. July, 1814. The Beacon Lighted the Enemy in the Country.
Tannas, Marie, Christiania.
 116. Landscape.
 117. River.
 118. Winter.
Thaulow, Fritz, Paris.
 119. Retour de Travail.
 120. Behind the Mills.
 121. Winter at Christiania.
- Torgersen, Thorv, Christiania.**
 122. Moor.
Vackermann, M., Christiania.
 123. A Drama of the Woods.
Wentzel, Gustav, Christiania.
 124. Breakfast.
 125. Midsummer Night.
 126. Confirmation Banquet.
 127. Sunday Evening.
 128. Morning.
Werendkiold, E., Christiania.
 129. Portrait. (Mother of Björnstjerne Björnson.)
 130. Portrait. (Erika Nissen.)
 131. Portrait. (Edv. Grieg.)
 132. Brother and Sister.
 133. Portrait. (Björnstjerne Björnson.)
- GROUP 141.**
Paintings in Water Colors.
Munthe, Gerk. Sandviken, Christiania.
 Fairy Tales:
 134. Troll's Cave.
 135. Wooers.
 136. The Wise Bird.
 137. Frightened.
 138. Three Princesses.
 139. The Serpent.
 140. The Child and the Angel.
 141. The Wicked Stepmother.
 142. The Song.
 143. The Hell Horse.
 144. The Buck's Bruse.
- GROUP 143.**
Engravings and Etchings.
Nordhagen, Joh., Christiania.
 145. Five Etchings.
- GROUP 144.**
Chalk, Charcoal, Pastel and Other Drawings.
Nielsen, Eivind, Christiania.
 146. Drawings in a Frame.
Thaulow, Fr.
 147. By the River. (Winter.)
 148. In March.
Werenskiold, Erik, Christiania.
 149. Drawing.
 150. Drawing.
 151. Drawing.
 152. Drawing.
 153. Drawing.

RUSSIA.

GROUP 139.**Sculpture.**

- Beklemisheff, Vlamidir Alexandrovitch.**
 1. A Runaway Slave. (A Group in Plaster.)
 2. Caprice. (Plaster.)
Dillon, Maria, Lvona.
 3. Bliss. (Statue in Bronze.)
- Gunzbourg, Ilia Takovlevitch.**
 4. Statuettes in Bronze. (Property of the Academy.)
 5. The First Music.
 6. Count L. Tolstoi.
 7. Statuette, Mr. T. T. Schischkine.
 8. Statuette, Mr. A. T. Rubenstein.
 9. Statuette, Mr. P. T. Tchaikoffsky.
 10. Statuette, Mr. V. V. Vereschaguine.

RUSSIA.

11. Statuette, Mrs. P. T. Strukoff.
12. Statuette, Mr. V. V. Stasoff.
13. Bust of the Count L. Tolstoi.
14. Bust of the Professor D. D. Mendelieff.
15. The Bathing Boys. (A group in Plaster.)

GROUP 140.**Paintings in Oil.****Collection of Pictures Exhibited by the Imperial Academy of Fine Arts.**

- Ashnazy, Isaak, Lvovitch.**
16. The Parents of Moses.
 17. Celebration of the Sabbath.
 18. The Bridegroom (A Talmudist) on Probation.
Baroness Vrangell, Helena Karlovna.
 19. Winter.
Bobroff, Victor Alexeievitch.
 20. Erzkus Herzke—A Jew from Kovna. (1886.)
Bodareffsky, Nicolay Kornilovitch.
 21. A Wedding in Little Russia.
Bronnikoff, Fedor Andreievitch.
 22. Christian Martyr. (1878.) (Property of the Academy.)
Bruni, Nicolay Alexandrovitch.
 23. The Candle-bearers. (Property of the Academy.)
Dmitrieff-Orenbursky, Nicolay Dmitrievitch.
 24. A Drowned Man in a Country Place.
 25. The Military Painting Shop.
 26. Sunday in a Village.
Ducker, Eugenie Eduardovitch.
 27. Noon. (Property of the Academy.)
Endoguroff, Ivan Ivanovitch.
 28. The Early Spring. (Property of the Academy.)
 29. A Heavy Rain. (Property of the Academy.)
 30. A Winter Evening in a Village.
Fedders, Julius, Ivanovitch.
 31. My Villa. (Property of the Academy.)
Frentz, Rudolf Fedorovitch.
 32. An Inn. (Property of the Academy.)
Galinskyy, Visdislaff Nihailovitch.
 33. Forest.
Graedkoffsky.
 34. In the Swim.
Holmsky, Vasily Andrievitch.
 35. The Mushroom Gatherers Taking a Rest. (1888.) (Property of the Academy.)
Jacoby, Valerian Ivanovitch.
 36. The Ice Palace. (1881.) (Property of the Academy.)
Juravleff, Firs Sergeievitch.
 37. Hay Market at Rest.
 38. He Loves Me—He Loves Me Not.
 39. The Family of a Street Musician.
Kiffshenko, Alexei Danilovitch.
 40. The Military Counsel at Fily. (Property of the Academy.)
 41. A Wolf Caught Alive. (Property of Academy.)
 42. Assorting Feathers.
 43. At the Crater of Lediassi.
Klagis, Fedore Andreievitch.
 44. Interior View of the Church of the Saviour at Moscow.
Klever, Julie Julievitch.
 45. Forest. (Property of the Academy.)

46. Klodt Von Jurgensburg, Baron Mihail Constantinovitch.
The Czar's Bounty.
Korovin, Constantine.
47. Spanish Girls.
48. Taking Tea.
Korzuhin, Alexey Ivanovitch.
49. The Evening before the Wedding. (Property of the Academy.)
50. Peasant life. (Property of the Academy.)
Kovaleffsky, Pavel Osipovitch.
51. Excavation of Rome. (1878.) (Property of the Academy.)
Kramskoy, Ivan Nicolaievitch.
52. Portrait of Mr. Soloffieff. (Property of the Academy.)
53. Portrait of the Artist's Daughter. (Property of the Academy.)
Kratchkoffsky, Josiff Eustaffievitch.
54. The New Moon. (Property of the Academy.)
55. A July Morning.
Krugitsky, Constantin Eakovlevitch.
56. The Heat over, A Fresh Breeze on. (1889.) (Property of the Academy.)
57. After Work.
58. Winter. (1888.)
59. A Night in Little Russia.
Kuriard, Palageia Petrovna.
60. A Landscape.
Kuznezoff, Nicolay Dmitrievitch.
61. The Justice of the Peace. (1888.)
62. In the Garden. (1889.)
63. The Interrupted Breakfast.
Lemock, Larl Vikentievitch.
64. Peasant Girls.
Levithan, Isaac.
65. Holy Day in a Convent.
Litovtchenko, Alexander Dmitrievitch.
66. The Italian Ambassador, Calvuc Draw—the Favorite Falcons of the Czar.
67. Auexsey Mihailovitch. (Property of the Academy.)
Macopsky, Constantin, Egorovitch.
68. A Bacchanal.
69. The Bride's Attire.
70. Portrait of a Lady.
Makovsky, Vladimir Egorovitch.
71. The Gamblers' Quarrel.
72. The Niggard.
73. A Public Market in Moscow. (1879.)
74. The Wayfarer.
75. Little Russian Tobacco Smokers.
Mestchersky, Arseni Ivanovitch.
76. The Narva Roads. (1886.) (Property of the Academy.)
Morozoff, Alexander Ivanovitch.
77. The Escape of Gregorie Utreprieff near the Frontier Lithnanian. (Property of the Academy.)
78. The Harvest; a copy of the Picture belonging to the Emperor.
Novoskolzeff, Alexander Nicolaievitch.
79. Head of a Negro. (Property of the Academy.)
80. The Last Minutes of the Metropolitan Phillip.
Novosoff, Vasily Ivanovitch.
81. A Free Dining-room. (Property of the Academy.)

DEPARTMENT K.—FINE ARTS.

- Pasternak, Leonid.**
 82. Home again.
Pelevin, Ivan Andreievitch.
 83. The First Born. (Property of the Academy.)
 * **Peroff, Vasily Grigorievitch.**
 84. The Anglers. (1873.)
Pimonenko, Nicolay Karlovitch,
 85. Easter Halloween. (Property of the Academy.)
Polenoff, Helena.
 86. After the Bath.
 87. Before the Examination.
Repine, Elias Evimovitch.
 88. The Cossack's Answer. (Property of the Academy.)
Savinsky, Vasine Eumentievitch.
 89. The Invention of the Sick Prince Poyarski to accept the Command of the Army. (Property of the Academy.)
Savitzky, Constantin Appollonovitch.
 90. For Christ's Sake.
Sedoff, Gregory Siemenovitch.
 91. Vasilisa Melentievna. (1882.)
Shishkin, Ivan Ivanovitch.
 92. A Forest.
Siemiradsky, Henry Hippolytovitch.
 93. Christ in the House of Lazarus. (1887.) (Property of the Academy.)
 94. Frina. (1887.) (Property of the Emperor.)
Stepanoff, Alexei.
 95. The Hunt.
Svertchkoff, Nicolay Egorovitch.
 96. The Pony that Killed a Wolf.
Tchistiakoff, Pavel Petrovitch.
 97. The Grand Duchess, Sophia Vitofftovna, at the Wedding of the Grand Duke Vasilie II, "The Dark," (1433) Tearing off Demetrie Donskoy's Belt from the Duke Vasilie, "The One-Sighted." (1882.) (Property of the Academy.)
Tvorojnikoff, Ivan Ivanovitch.
 98. A Lay Brother Selling Images. (1888.) (Property of the Academy.)
 99. Grandmother and Grandchild. (1889.) (Property of the Academy.)
Vasilieff, Fedor Aleksandrovitch.
 100. After the Rain. (Property of the Academy.)
Venig, Kark Bogdanovitch.
 101. A Russian Girl. (1889.) (Property of the Academy.)
Volkoff, Efim Efimovitch.
 102. Morning.
Willewalde, Bogdan Pavlovitch.
 103. You To-Day and I To-Morrow. (Property of the Academy.)
- Zagorsky, Nicolay Petrovitch.**
 104. A Sore Heart. (Property of the Academy.)
 105. Morning Tea.
-
106. **Aivazovosky, Ivan Constantinovich.**
 The Ship "Santa Maria" on its way to America, when Columbus, during a heavy storm was surrounded by the Revolting Crew.
 107. Columbus Landing with his suite at San Salvador.
 108. Young Columbus Saving himself on the Mast of a Mercantile ship, set on fire by a Venetian Galley, off the Shores of Portugal.
 109. The Farewell of Columbus in Palos, before going to Sea.
 110. The Arrival of Columbus' Flotilla on the American Shore.
 111. Naples, By Moonlight.
 112. The Gondola. (In Venice.)
 113. Saving Himself in a Boat.
 114. Garibaldi and the Garibaldians on the Deck of a Steamer.
 115. Yalta in the Morning.
 116. A Storm on the Crimean Coast.
 117. A Street in Bakhtchisaray. (The Capital of Crimea, during the dominion of the Tartars.)
 118. A Boat in a Storm.
 119. A Lantern in the Sea of Marmora.
 120. Constantinople.
 121. The Breakers on the Sea of Azof.
 122. The Breakers on the Black Sea Coast.
 123. Yalta at Night.
 124. Environs of Malaga.
Alexeieff, Alexander Hypatievitch.
 125. An Italian Girl. (1884.)
 126. Head of an Italian Girl (1889).

GROUP 141.

Paintings in Water Colors.

Endoguroff, Sergey Ivanovitch.

127. A Quiet Day.
 128. After the Storm.
 129. Evening.

GROUP 145.

Antique and Modern Carvings.

Adamson.

130. The Dying Hyacinthe. (Wood Carving.)

SWEDEN.

GROUP 139.

Sculpture.

- Akerman, W., Paris.**
 1. Madonna. (Plaster relief.) 820
 2. "Sensitiva." 820
Börjesson, Prof. John, Stockholm.
 3. The Brothers. (Bronze group.) 822
Eriksson, Christian, Paris.
 4. Carl von Linc. (Plaster relief.) 820
 5. "1779." (Marble.) 820
 6. Blindman's Buff. (Bronze vase.) 822
Hasselberg, Per, Stockholm.
 7. The Snowdrop. (Plaster statue.) 820
 8. The Frog. (Plaster statue.) 820
 9. The Water Lily. (Plaster statue.) 820
 10. Louis de Geer. (Plaster bust.) 820
 11. Prince Eugen. (Bronze bust.) 822
 12. Olof Wijk. (Bronze statuette.) 822
 13. P. Fürstenberg. (Bronze statuette.) 822
Ludeberg, Th., Prof., Stockholm.
 14. Relief for the Decoration of a Mantel-piece. 821
Matton, Ida, Paris.
 15. "Mama." (Marble statue.) 820
Nyström, Alf., Stockholm.
 16. The Lion of Gothia. (Plaster.) 820
Söderman, N. Aug., Stockholm.
 17. John Ericsson. (Plaster statuette.) 820
Wallgren, Antoinette, Paris.
 18. Bretonne. 820

GROUP 140.

Paintings in Oil.

- Albert, G., Paris.**
 19. French Landscape.
 20. French Landscape.
Andersson, J. A. G., Stockholm.
 21. Winter Fishing.
Arborelius, O., Stockholm.
 22. Landscape in Dalecarlia.
 23. Hay Carting in Dalecarlia.
 24. Sunday Morning in Dalecarlia.
 25. Bridal Procession in Dalecarlia.
Beer, A., Stockholm. (Swedish Pavilion.)
 26. The Castle of Tidö, Sweden.
Behm, Wilhelm, Gnesta.
 27. Birch Grove, Södermanland.
 28. Winter Landscape.
 29. Landscape, River Valley of the Indalselven.
Bergh, R., Stockholm.
 30. Portrait of Miss A. B.
 31. An Old Song.
 32. Landscape.
Björck, O., Stockholm.
 33. Portrait of Baron J. M. Nordenfalk.
 34. Interior of Cow-house.
 35. Portrait Study.
Bonnier, Eva, Stockholm.
 36. My Housekeeper.
 37. Music.
 38. Portrait; Mr. H. L.
Borg, A., Stockholm.
 39. Scene from Fair in Orebro.
 40. Elk Hunt.

- Bredberg, Mina, Stockholm.**
 41. Portrait of a Russian Artist.
Chadwick, E., Stockholm.
 42. Carmencita.
 43. Rainbow.
 44. "My Boy."
Ekström, P., Segerstad, Öland.
 45. Moonrise, Särö.
 46. Breaking Up of the Ice, Oscarshamn.
 47. Dawning, Normandy.
 48. Landscape, Marstrand.
 49. December Midday Sun, Oland.
 50. Autumn, Oland.
Ericsson, Joh., Gothenburg.
 51. Moonrise.
H. R. H. Prince Eugen of Sweden and Norway.
 52. The Forest.
 53. Autumn Day.
 54. The Temple.
Feychting, H., Stockholm. (Swedish Pavilion.)
 55. Regatta in the Archipelago.
Genberg, A., Stockholm. (Swedish Pavilion.)
 56. View of the Tottehumeln, Areskutan, Sweden.
 57. Church of Are, in Jemtland, Sweden.
Hagborg, Aug., Paris.
 58. Beggar.
 59. Evening.
 60. Low Tide.
 61. "Bijou and Honore."
Hermelin, O., Baron, Österby, Torshälla.
 62. Autumn.
Jansson, Eug., Stockholm.
 63. Twilight in May.
Jungstedt, A. Stockholm. (Swedish Pavilion.)
 64. Portrait of H. R. M., the King of Sweden.
 65. Railroad Laborers.
Kayser, Elisabeth, Stockholm.
 66. Peasant Woman, Normandy.
Kindborg, J., Stockholm.
 67. Landscape, Wermland, Sweden.
Kretüger, Nils, Warberg.
 68. Summer Evening.
 69. Street View from Warberg.
 70. Evening.
 71. Winter Idyll.
 72. Evening.
Kronberg, Julius, Professor, Stockholm.
 73. Portrait of Charles XII.
Kulle, J., Stockholm.
 74. Scanian Peasant's Cottage.
Larsson, Carl, Gothenburg.
 75. My Family.
 76. "Ulf" in the Sunset.
 77. A Swedish Fairy Tale.
Liljefors, Bruno, Upsala. (Swedish Pavilion.)
 78. Bear Hunting.
 79. Fox Shooting.
 80. Game Shooting.

DEPARTMENT K.—FINE ARTS.

81. Hawk's Nest.
 82. Foxes.
 83. Wild Geese.
 84. Night.
 85. Grouse Shooting.
Lindholm, B., Gothenburg.
 86. Rocks, Scania.
 87. The Cattagat, off Halland's Väderö.
Lindman, Ax., Stockholm.
 88. Terrace in Positano.
 89. Way Along the Coast at Amalfi.
 90. Capri with Castiglione and Monte Salaro.
 91. Surf at Bagno di Tiberio.
 92. Naples, Riviera di Chiaia.
Lundström, Ernst, Stockholm.
 93. "Berzelii Park," Stockholm.
 94. The Norrström, Stockholm.
Nordström, Karl, Hoga, Bohuslan.
 95. The Yellow House.
 96. Winter Landscape.
 97. Twilight.
 98. In Winter Harbor.
 99. Sunset.
Norrman, H., Tranas.
 100. Autumn.
Österlind, Allan, Stockholm.
 101. The Orphans.
Pauli, G., Stockholm.
 102. Legend.
 103. Midsummer's Night.
 104. Winter Morning in Stockholm.
Pauli, Hanna, Stockholm.
 105. Portrait; Vennie S.
 106. Portrait; K. Nordström, the Artist.
 107. The "Name's-day."
Rosen, G. von Count Prof., Stockholm.
 108. Nordenskiöld.
 109. Portrait; Count Lagerberg.
 110. Portrait; Prof. G. W. Palm.
Rosenberg, Edv., Stockholm.
 111. View of Norrström and the Royal Palace of Stockholm.
Salza, C. F. von, St. Louis.
 112. Portrait.
Schultzberg, A., Grangarde.
 113. The First Snowfall.
 114. The Last Sunbeam.
 115. Evening (Picardy).
Schulzenheim, Ida von, Stockholm.
 116. "Too Hot."
 117. Greyhounds.
Sparre, Emma, Baroness, Stockholm
 118. Interior of the Castle of Gripsholm.
Stolpe, Marie Louise, Stockholm.
 119. In Memoriam Linnei.
Svensson, C. F., Stockholm.
 120. Sailors in the Oresund.
Thegerström, R., Stockholm.
 121. A Calm.
Thörne, Alf., Stockholm.
 122. Nämndö in the Archipelago of Stockholm.
 123. Trolling.
 124. Oat Harvest.
Trädgårdh, Carl, Paris.
 125. Going to Market.
 125. Cow-keeper.
Wahlberg, Prof. Alf., Paris.
 127. Night on the Swedish Coast.
 128. Evening (Hallands' Väderö.)
 129. Stockholm in Moonlight.
130. Misty Night, Oise.
 131. River Landscape (Eure.)
 132. Morning (Oise.)
 133. View from the West Coast of Sweden
Wahlström, Charlotte, Stockholm.
 134. Moonrise.
Wallander, Alf., Stockholm.
 135. "Putte."
Westman, Edw., Stockholm.
 136. Spring Evening.
 137. Hay-making in Normandy.
Zorn, And. L., Paris.
 138. "Margit."
 139. Omnibus.
 140. Ball.
 141. Fair in Mora, Sweden.
 142. A Toast in "Idun."
 143. A Forest Study.
 144. Sunset.
- GROUP 141.**
Paintings in Water Colors.
- Boberg, Anna, Stockholm.**
 145. Venice.
 146. Gondolas.
 147. View from Menaggio.
Ericsson, Anna, Gothenburg.
 148. View from Ronneby, Sweden.
 149. Moon-rise.
Gellerstedt, Prof. A. T., Stockholm
 150. Swedish Views.
Hermelin, T., Baron, Stockholm.
 151. Runic Monuments.
 152. The Barrows of Upsala.
Jolin, Ellen, Stockholm.
 153. The Baptistry of Sienna.
Larson, Carl, Gothenburg.
 154. Portrait; Mrs. F.
 155. Interior of Dalecarrian Peasant Cottage, winter time.
Tiren, J., Stockholm.
 156. Landscape with Lapps.
 157. Lapp on Snow Skates. ("Skidor.")
 158. Lapps Catching Reindeer.
- GROUP 142.**
Paintings on Ivory, on Enamel, on Metal, on Porcelain or Other Wares; Fresco Painting on Walls.
- Althin, C., Stockholm.**
 159. Decorative Painting.
- GROUP 143.**
Engravings and Etchings; Prints.
- Boberg, F., Stockholm.**
 160. Birger Jarl.
 161. St. Catherine Church, Stockholm.
 162. Interior of Italian Yard.
 163. The Choir of San Marco, Venice.
Haglund, R., Stockholm.
 164. The German Church in Stockholm
 165. "Kornhamn," Stockholm.
 166. The Furstenberg Art-Gallery in Gothenburg.
Haig, A. H., Haslemere, Surrey, England.
 167. The Cathedral of Burgos.
 168. Arab Students, Cairo.
 169. Arab Quarters, Cairo.
 170. In Rhine-Land.
 171. Towing in the Prize.

SWEDEN.

172. Wisby, Twilight.
 173. Stockholm.
 Rosen, Count, G. von, Prof., Stockholm.
 174. Six Etchings.
 Zorn, And. L., Paris.
 175. Statuette of my Grandmother. (Wood.)
 176. Etchings.

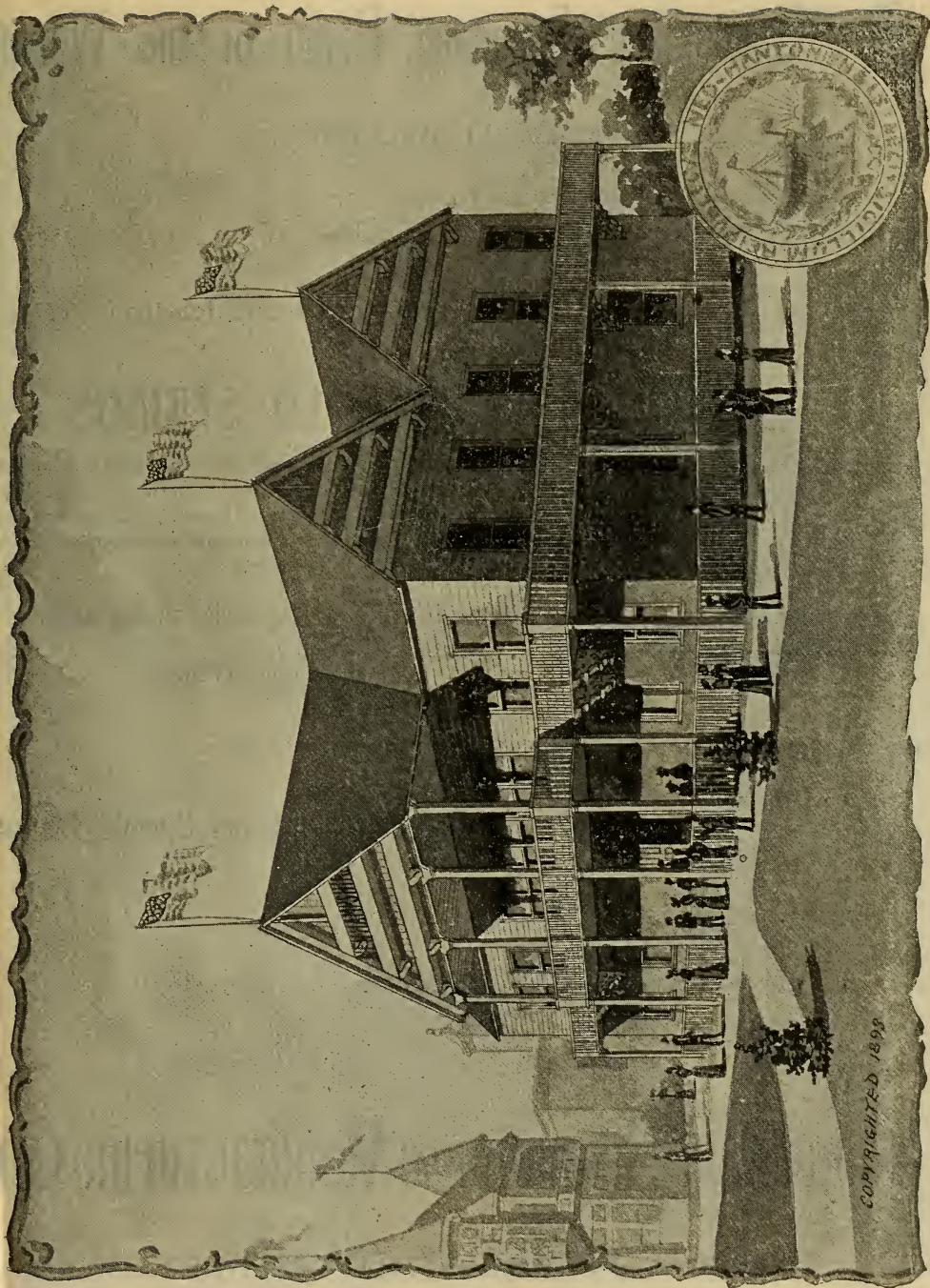
GROUP 144.**Chalk, Charcoal, Pastel and Other Drawings.**

- Andren, V., Stockholm.
 177. Views and Characters from Stockholm.
 H. R. H. Prince Eugen, of Sweden and Norway; Stockholm.
 178. Summer Day.
 Jansson, Eug., Stockholm.
 179. Venus.

- Liljefors, Bruno, Upsala.
 180. Eight Drawings.
 Nordstrom, Karl, Hoga, Bohuslan.
 181. Night.
 182. Moonrise.
 183. Dawning.
 184. Moonlight.
 Wallander, Alf., Stockholm.
 185. A Poulterer.
 186. Evening Sun.
 187. Coffee Party Sixty Years Ago.

GROUP 145.**Antique and Modern Carvings; Engravings in Medallions or in Gems, Cameos, Intaglios.**

- Norman, A. E.
 188. Columbus' Arrival in America. (Cut with pen-knife from a solid block of hardwood.)



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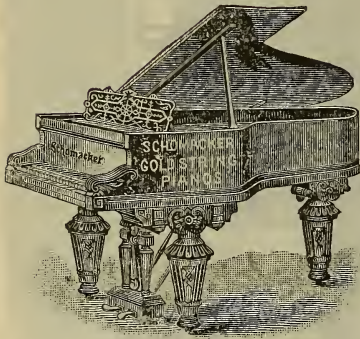
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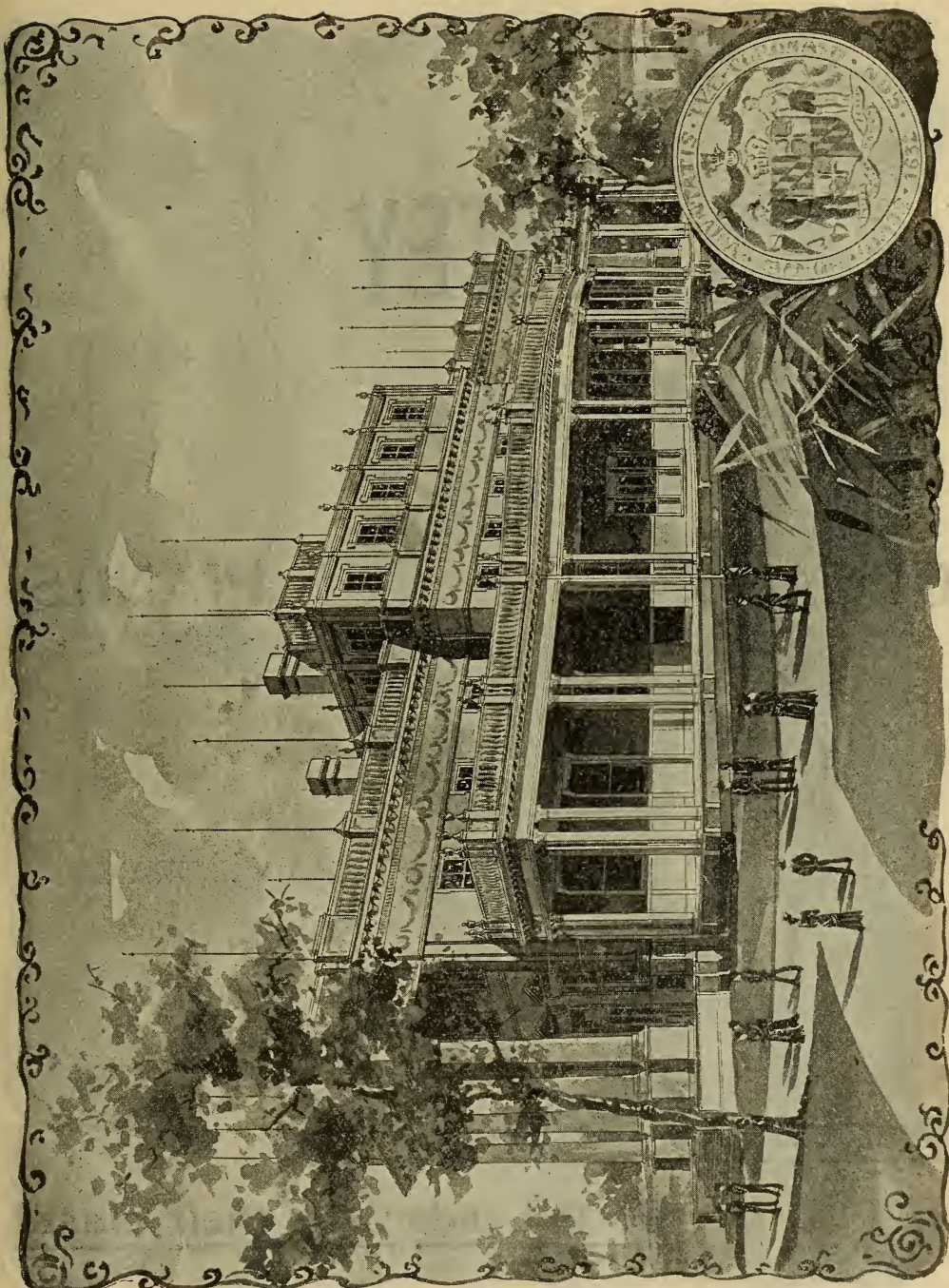
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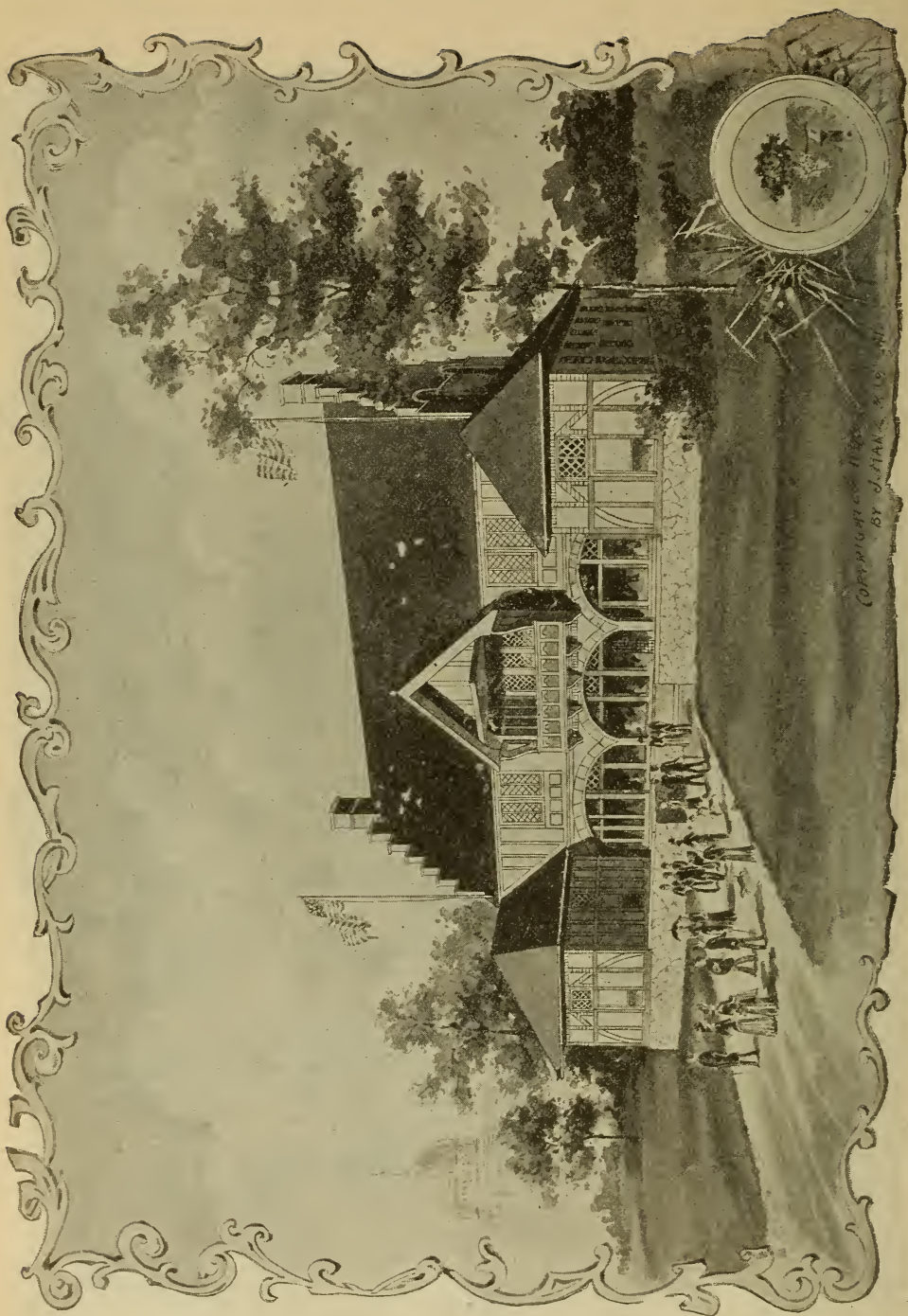
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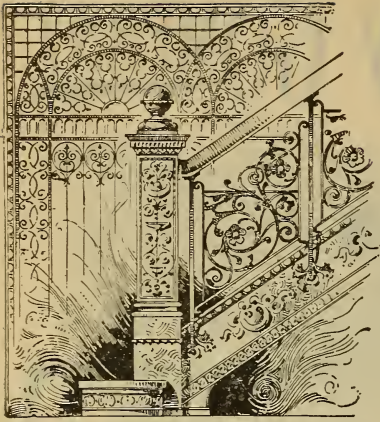


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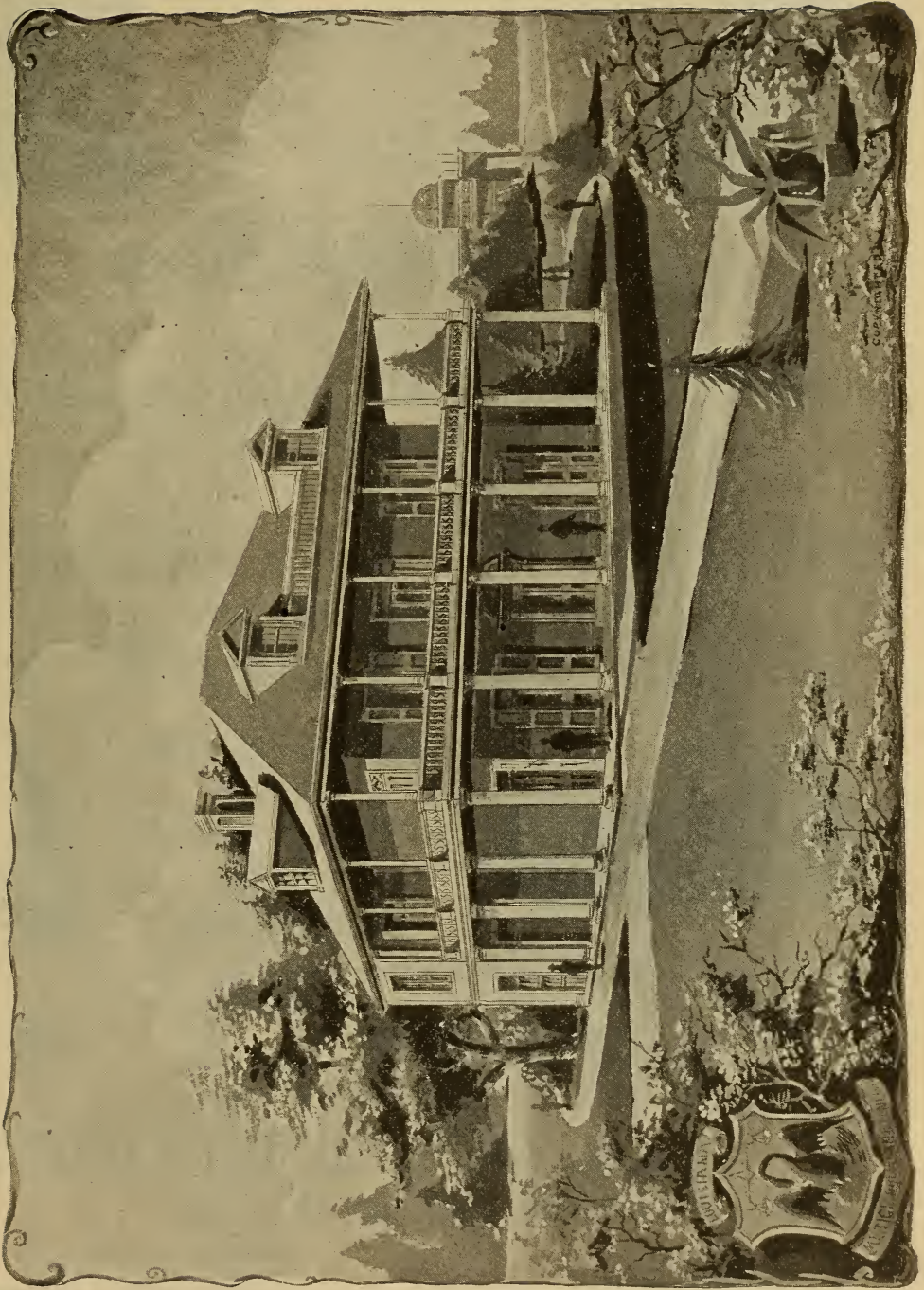
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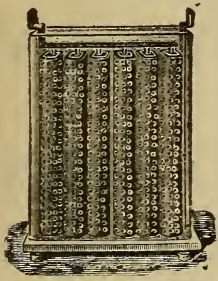
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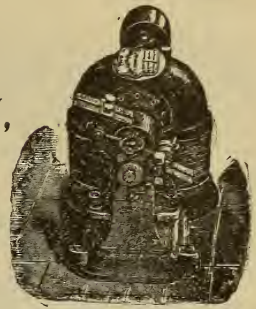


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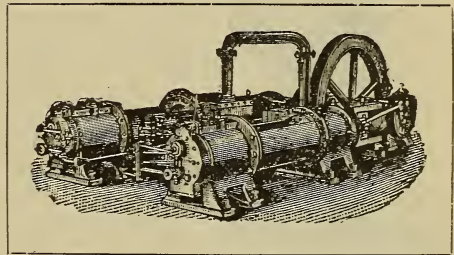
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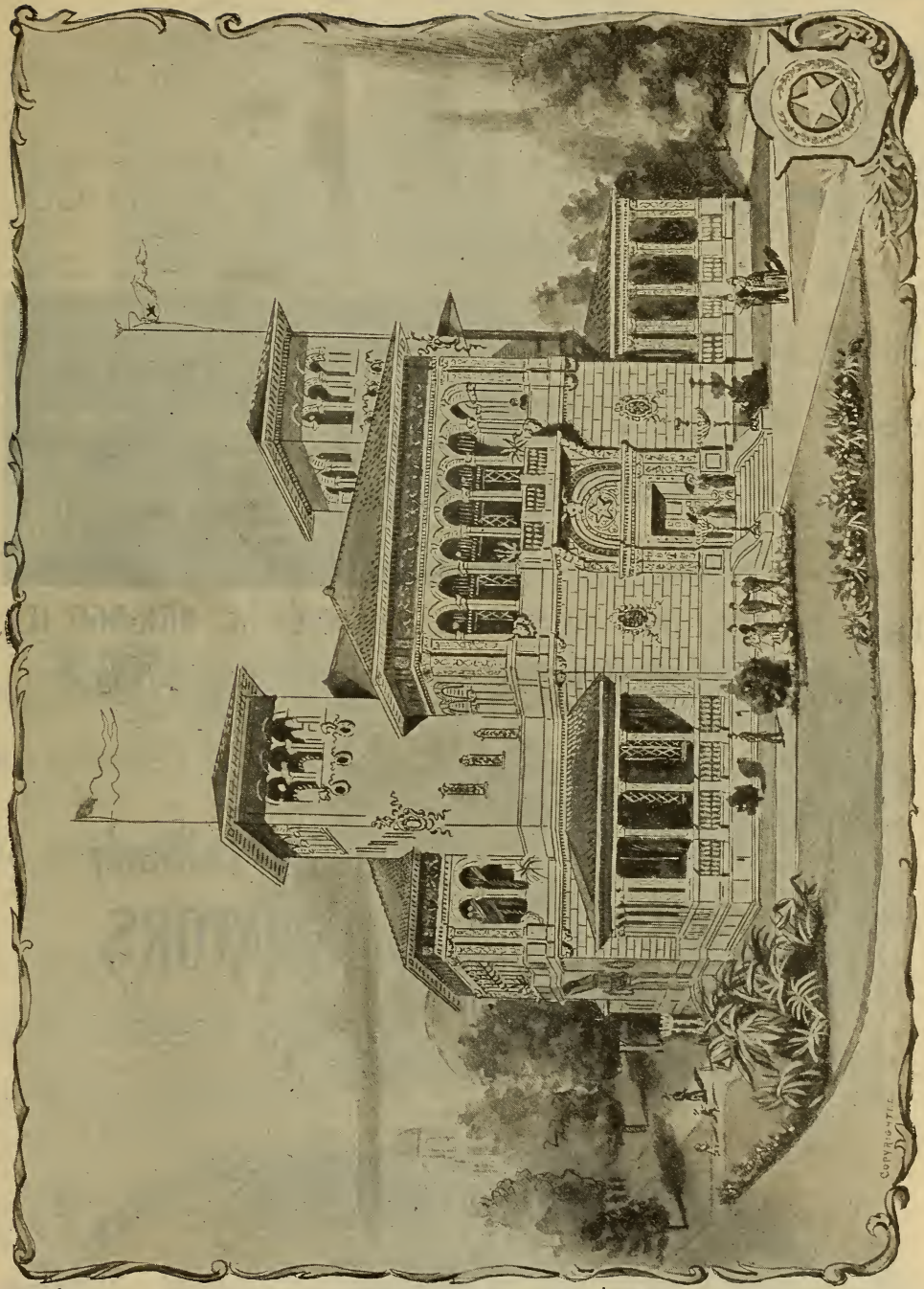
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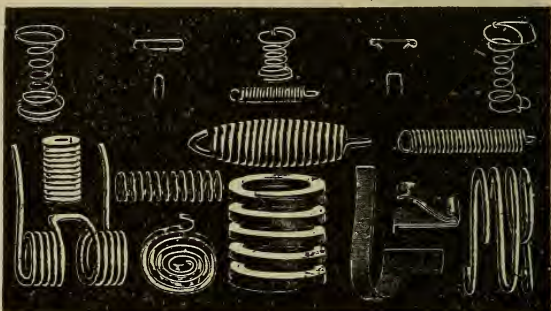
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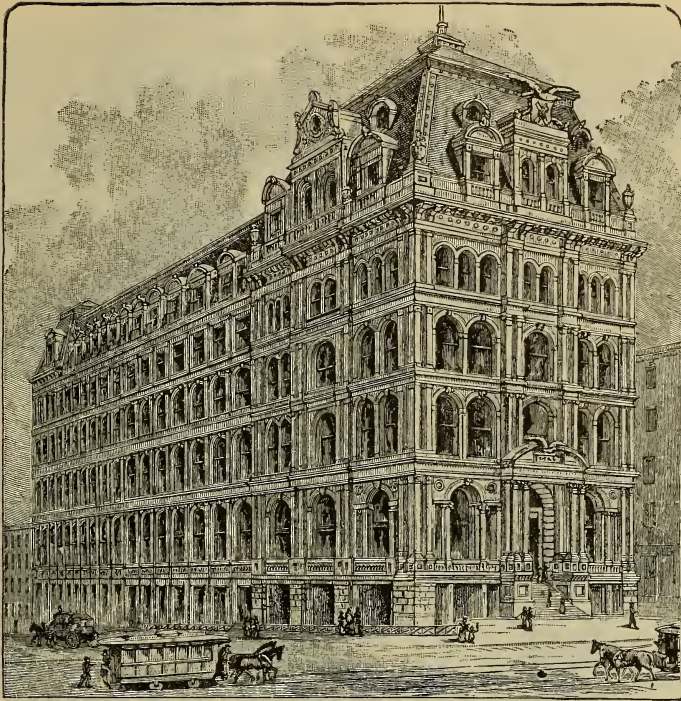
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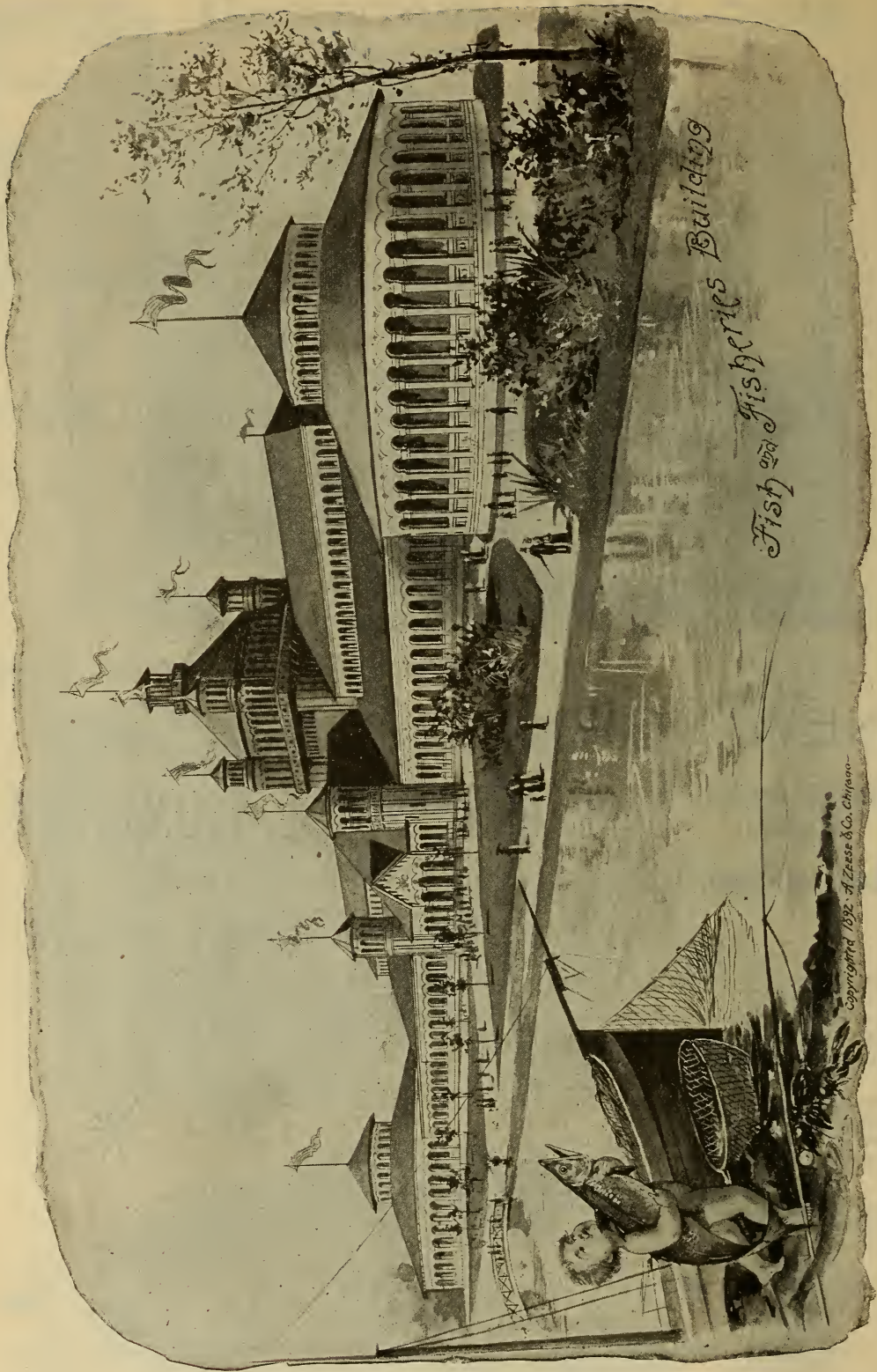


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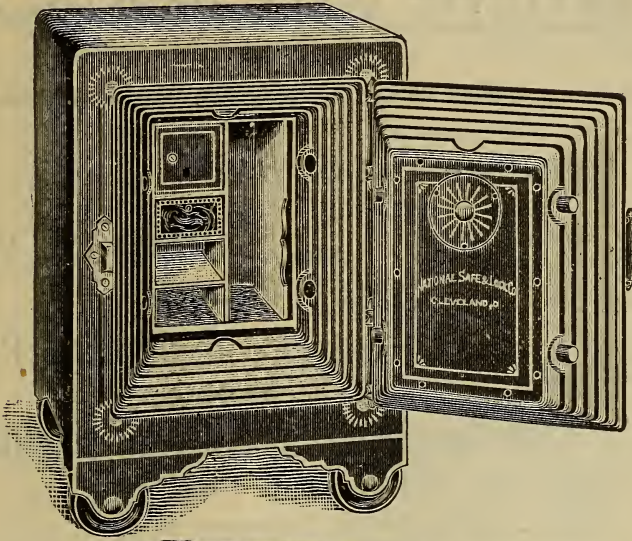
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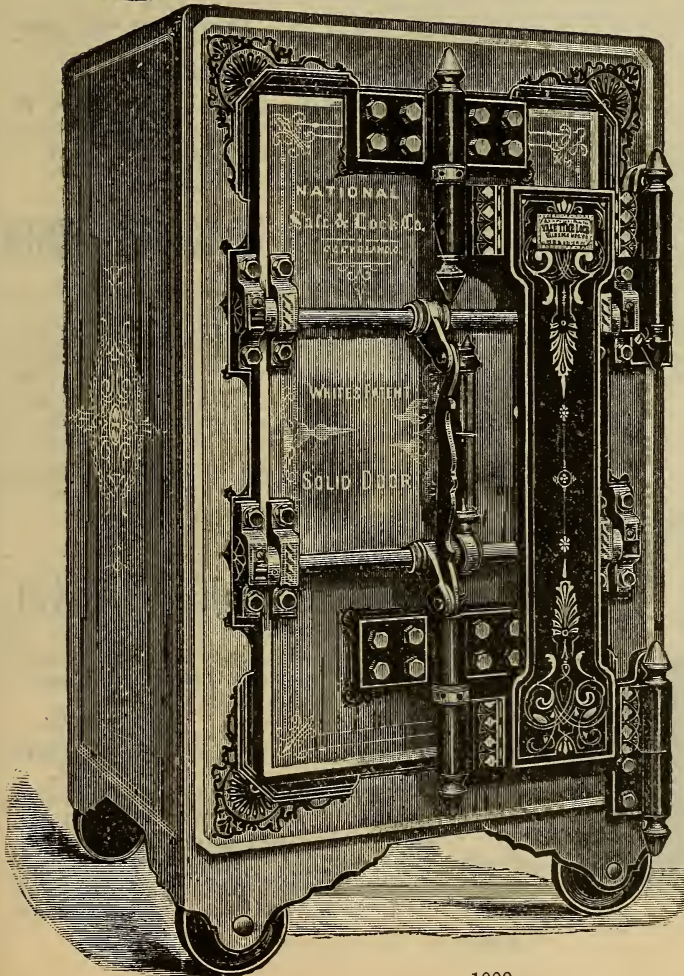
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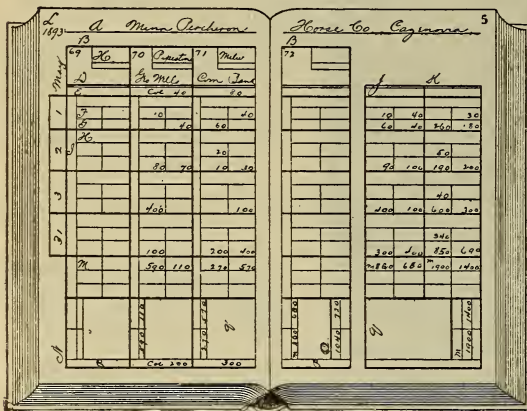
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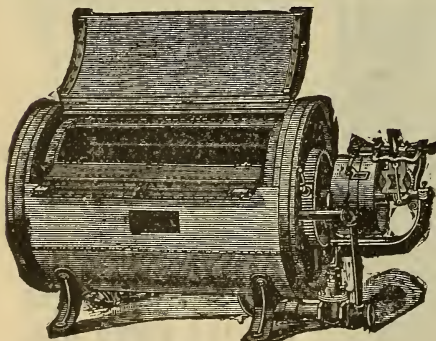
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DEPARTMENT D.—FISH AND FISHERIES.

SOON after the organization of this department great interest was manifested in this phase of the Exposition by those engaged in fish culture in this and other countries, and by those concerned in carrying on the commercial fisheries of the world. In nearly all sections of this country where fisheries are prosecuted committees were appointed to take such measures as are necessary for the promotion of fishery exhibits. Many of the State Fish Commissions prepared displays illustrative of their functions and the result of their efforts, while in some of the foreign countries special appropriations were made to enable the proper officials to prepare and bring to Chicago exhibits of fisheries and fish culture.

The Fisheries Department is intended to admit of the display, in the buildings erected for the purpose, of materials and collections illustrative of the commercial fisheries, fish and scientific fishing upon the inland seas, lakes and rivers, and the object and purpose of the department to illustrate the present and most graphic condition of the fisheries and also their development during the past four hundred years. Practically side by side with primitive methods and uncivilized means of fishing is a specialized apparatus of fishing which illustrates the intelligence of modern methods. Fish are shown in various ways, viz: Alive, by casts, as mounted, and in various appliances, such as fishing-birds that have been used in the fisheries as baits, and also as enemies to fish, such as hawks, eagles, and other birds of prey, and other reptiles, are represented.



J. W. COLLINS, CHIEF.

For instance: Group 38 embraces ten classes, in which are included materials and apparatus employed in sea fishing and angling. This group contains the history of fishing, fishery laws and legislation, fishery commerce, implements used in ancient times, or reproductions of the same; reports and literature upon fish and fisheries, as well as statistics. Gear used in the trawl, herring, long line, hand line and all modes or systems of fishing; lines and rigged gear are included in this group. Other classes of the same group embrace all known apparatus and appliances employed in the prosecution of the commercial sea fisheries, and also those used by anglers in sport fishing for marine species. Vessels and boats used for conducting fishery operations or for angling are provided for in the last class of this group.

The next group, No. 39, comprehends fresh water fishing and angling. Under its several classes are exhibited nearly all of the interesting objects pertaining to the gentle art of angling, although its scope also embraces such apparatus and appliances as are used in the commercial fisheries prosecuted in fresh water.

culture, angling investigation bear- habitants of the rivers. It is the pose of this de- rate in the fullest manner the pres- the world's fish- history, at least for dred years. Shown side are the prim- appliances used by and the highest atus and methods the science and in- ern nations have and fish culcure ious ways, viz: alcoholic speci- etc. With these eating birds and come important to furnishing sup- bait. Animals that young and ma- snakes, lizards,

The products of the fisheries, the machinery and appliances used in their manipulation or preparation, are classed in group numbered 40. This embraces models of fish-curing establishments and canneries, as well as methods, models, and other forms for representing appliances for drying, curing, salting, smoking, tinning, cooking and treating or preserving fishery products.

Primary and secondary products of all kinds, as well as tinned goods, are also embraced within this group. Fish preservatives, antiseptic and otherwise; oils obtained from marine animals; manures, guanos, fertilizers, as well as other classes of products, are arranged under this group.

Pearl shells from the ocean and rivers; mother of pearl, in the rough or manufactured; pearls as gems; sponges, corals, and all parts and products from aquatic animals, whether for purposes useful or ornamental, are embraced in this group.

The history of fish culture, and everything pertaining to the artificial propagation, acclimatization and transportation of aquatic animals are exhibited under group 41. This group is very comprehensive in scope, and embraces everything appertaining to investigations and results of experiments in the direction of utilizing the waters as a means of food supply.

Approaching the Fisheries Building from either front one is impressed with its beauty and general grace of construction. The tall dome towers high above the gables of the main structure, while the small turrets that adorn the dome and main entrances appear in pleasing contrast with the red-tiled roof, columns, and arches. Flanked on both the east and west by small pavilions and connecting arcades, the whole presents an architectural view of great magnificence. The infinite detail of fishes and other aquatic animals with which the columns, arches and friezes are decorated in bas-relief, is gratifying to the eye, and the skill and ingenuity displayed by the ornamentation are as remarkable for originality as for fitness.

Entering the building from the north the eye is immediately attracted to the display of Mexico on the right hand. Passing to the side aisle and turning to the right brings to full view the Russian collection, unique in many ways and with a wealth of caviare. The Norwegians show many kinds of sea fish, from the dry cod of the Lofotens to the spiced anchovies of Bergen. Here are also to be found a number of full-sized fishing boats, with their oars and lines.

Mexico, Russia, and Norway occupy the whole northwestern quarter of the Fisheries Building. Passing these and crossing the aisle to the south side the first display met is that of Great Britain, which embraces an attractive assortment of angling paraphernalia. The display is not large but choice. France, Australia, and Canada follow next in order, and the attention is arrested by the fine group of seals in the New South Wales display. The full-rigged, sharp-stern fishing boat, a duplicate of the one presented to the Prince of Wales ten years ago, occupies a conspicuous position in the Canadian section. The exhibits of Japan and the Netherlands are in the northeastern quarter of the building. Here the odd-shaped boats, together with implements and products of the Japanese fisheries, are displayed with much taste in decorative effect.

The Dutchman is present with a beautiful model of a North Sea herring lugger, one-seventh actual size, with a goodly assortment of Holland herring. In the eastern pavilion is located the fresh-water aquaria. Leaving the aquaria steps are retraced to the main building, through the western arcade to the angling pavilion. Here is the angler's paradise—an array of rods, reels, flies, hooks, landing nets, gaffs, boats, clothing, wading boots, etc., is presented in great profusion. Brazil has a section in the building where is arranged its collection of aquatic fauna, its fishing boats and apparatus of capture. A part of the building is used by Pennsylvania and Wisconsin, in which is shown the work accomplished in fish culture.

Ten of the individual States of the Union show collective exhibits of the fisheries of their waters. Another interesting feature is the weather-worn fishing

boat used by the famous Ida Lewis—the American Grace Darling—in her heroic life-saving deeds.

The Fisheries Building is a large central structure with two smaller polygonal buildings connected with it on either end by arcades. The extreme length of the building is 1,100 feet, and the width 200 feet. It is located to the northward of the United States Government Building. In the central portion is the general fisheries exhibit. In one of the polygonal buildings is the angling exhibit, the aquarial and fish cultural displays of Pennsylvania and Wisconsin; exhibits of mounted and cast specimens of fish from Ohio and Missouri; fish paintings from Vermont and the Hawaiian islands, and the interesting collections from Brazil and other countries, and the other is devoted entirely to the aquaria. The exterior of the building is Spanish-Romanesque, which contrasts agreeably in appearance with that of the other buildings. To the close observer the exterior of the building can not fail to be exceedingly interesting, for the architect exerted all his ingenuity in arranging innumerable forms of capitals, modillions, brackets, cornices and other ornamental details, using only fish and other sea forms for his motif of design. The roof of the building is of old Spanish tile, and the side walls of pleasing color.

The total amount of floor area in the main building is 55,536 square feet; in addition there is a gallery thirty feet wide, running the entire length and breadth of the structure, and on both sides. The gallery space amounts to 27,120 square feet. At the wall side of the gallery floor, the gabled roof leans somewhat, and, together with the roof braces, affords pretty little booths, or bays. These bays are considered the most effective arrangement of space for exhibits, and therefore it is a matter for congratulation that the requirements of construction do not in any manner conflict with the needs of the exhibitor.

In the center of the polygonal building is a rotunda sixty feet in diameter, in the middle of which is a basin or pool twenty-six feet wide, from which rises a towering mass of rocks, covered with moss and lichens. From clefts and crevices in the rock crystal streams of water gush and drop to the masses of reeds, rushes and ornamental semi-aquatic plants in the basin below. In this pool gorgeous gold fishes, golden ides, golden tench and other fishes disport. From the rotunda one side of the larger series of aquaria may be viewed. These are ten in number, and have a capacity of 7,000 to 27,000 gallons of water each. Passing out of the rotunda, a great corridor or arcade is reached, where on one hand can be viewed the opposite side of the series of great tanks, and on the other a line of tanks somewhat smaller, ranging from 750 to 1,500 gallons each in capacity. The corridor or arcade is about fifteen feet wide. The glass fronts of the aquaria are in length about 575 feet and have 3,000 square feet of surface. The total water capacity of the aquaria, exclusive of reservoirs, is 18,725 cubic feet, or 140,000 gallons. This weighs 1,192,425 pounds, or almost 600 tons. Of this amount about 40,000 gallons is devoted to the marine exhibit. In the entire salt-water circulation, including reservoirs, there are about 70,000 gallons. The pumping and distributing plant for the marine aquaria is constructed of vulcanite. The pumps are in duplicate, and each has a capacity of 3,000 gallons per hour.

The government aquaria in the annex of the Fisheries Building have been converted into picturesque combinations of water and rock, where live fish are made to feel quite at home in congenial surroundings. In these aquaria trout, carp, golden ides, and gold fish disport. United States Fish Commissioner McDonald in speaking of the government exhibit said:

For three months we experimented with evaporating sea water and using the material for shipment to Chicago in order to avoid sending water so far inland. For some mysterious reason the revamped sea water we thus obtained would not do, and the fish died. We have found that by mixing a brine made from Turks' Island salt with natural sea water, half and half, fish got along nicely in the combination. This is what we use in the aquaria. In all we have about 70,000 gallons of sea water for the salt water fish. As it is something we can not afford to waste, our arrangements for its purification are complete. It is conducted from the aquaria in rubber tubes to the filter, which is located in the cellar. This consists of stone, gravel, and sand made

in strata, as in natural soil. The water comes from the aquaria into the top of the filter and is drawn off from the bottom after it percolates through the sand and gravel. It then runs off into a cistern with a capacity of 60,000 gallons. A duplicate set of pumps, run by electric dynamos, drives the water again to the reservoir in the top of the building. From there it runs back into the aquaria, entering through a jet just above the surface. The entering stream carries enough air with it to aerate the water and give the fish air. In the filter the top layer of sand will be changed frequently. With our fresh water fish lake water will do fairly well. It is not clear enough and must be filtered carefully. No attempt will be made to save it as with sea water.

The government aquaria are in a circular building nearly 100 feet in diameter. A row of aquaria lines the outer walls with the space broken only at the doors. The effect as one passes through the aisle is as if he were walking on the bottom of a lake with the waters held back by a heavy plate glass. The inner row of aquaria is 12 feet wide and in the center of the building a mound of aquatic and semi-aquatic plants.

On the inner row is the big aquarium for the Mississippi river. It is 72 feet long, 12 feet wide, and 5 feet deep. A submerged bank, such as is so often seen in western rivers, rises from the bottom of sand and gravel. Nearly every variety of fish found in the Mississippi valley is there. Catfish, eighty pounds in weight and seven inches between the eyes, and sturgeon, five, six, and seven feet long, are in the aggregation, with pickerel, outclassing the record, for company. A series of aquaria, showing all varieties of trout and salmon, extends along the south side of the building.

The fish from the great lakes have been gathered at the Put-in Bay Station on Lake Erie, and include sturgeon, whitefish, perch, bass, and herring, as the leading varieties. There are 100 varieties of fish and as many species of invertebrates.

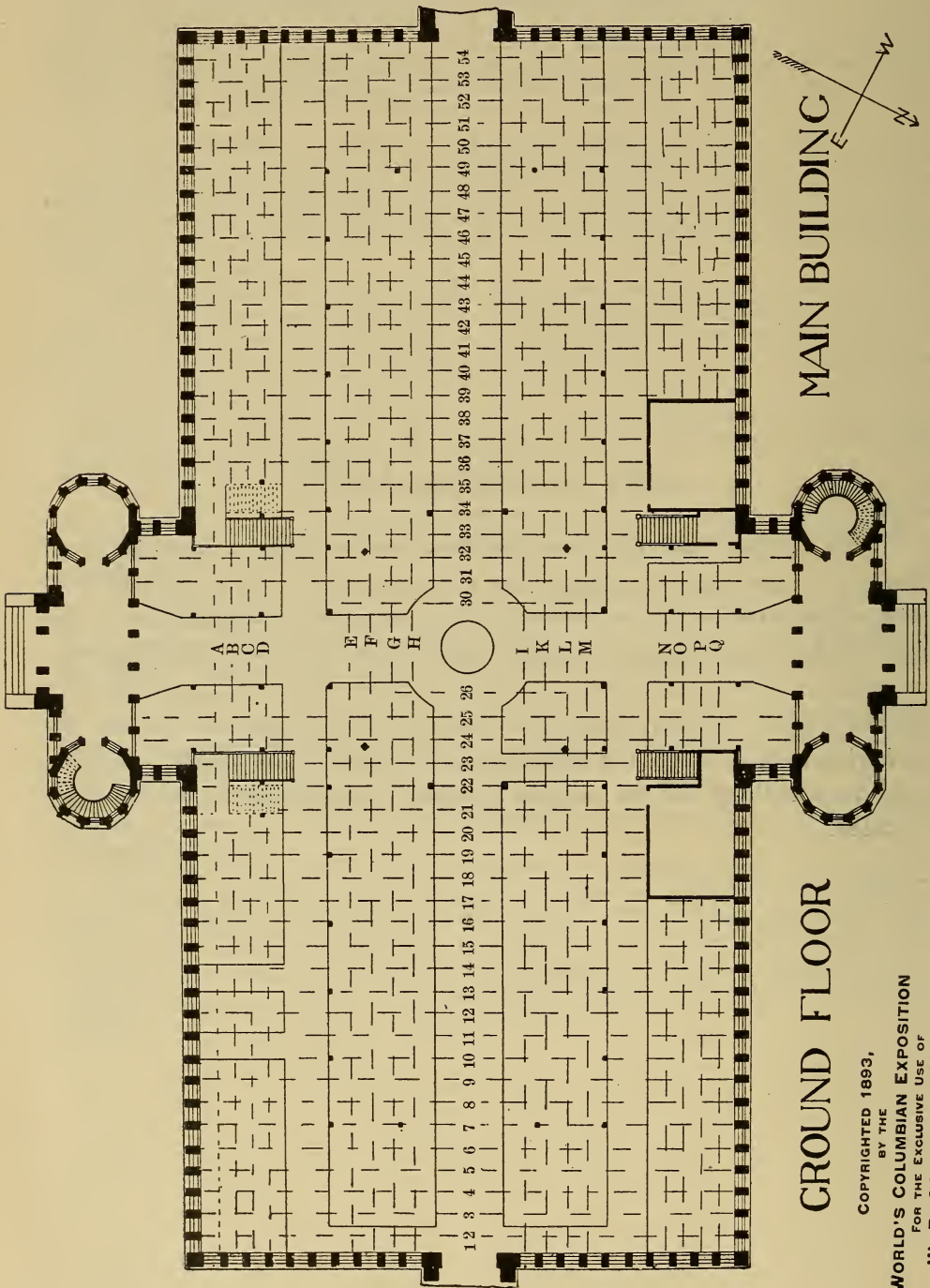
In June the government fish car will be sent to Seattle, Wash., and will bring as good a showing of Pacific coast fish as can be carried so far in the car. The main varieties will be the Chinook and steelhead salmon and the varied trouts of the West. There is in reality little difference between the leading varieties of the two coasts.

Until the natural warmth of the water here reaches 60 degrees no fish will be brought from the Gulf of Mexico. In midsummer the trouble will be that the water will be too warm, and artificial means of cooling it will be used. Many salt-water varieties do not live long in aquaria, even under the most favorable conditions, and these must be replenished by new shipments during the progress of the Exposition.

Next to the west door of the annex is an aquarium radiant with bright colors of anemones, growing over the grottoes. Algæ of every line grow there. It is likewise the home of star fish and sea urchins. The microscopic algæ, which are propagated as food for the anemones, prevent the water being drawn off to put through the filter. To aerate it an automatic contrivance is used which forces the air into the bottom of the aquarium, it passing through the water in small bubbles.

KEY TO INSTALLATION.

The design of the Fish and Fisheries Building differs from that of all the other department buildings, the main structure being circular in form and ornamented with two wings known as polygonal buildings. The ground floor of the central building is laid off into spaces for exhibits, indicated by numbers and the cross sections lettered, which by tracing the lines from the letter to the number, as for instance, A-4, will be easily found. By referring to the name of the exhibitor, or the name of the country or State, and then looking on the diagram the space occupied by the exhibit is indicated.

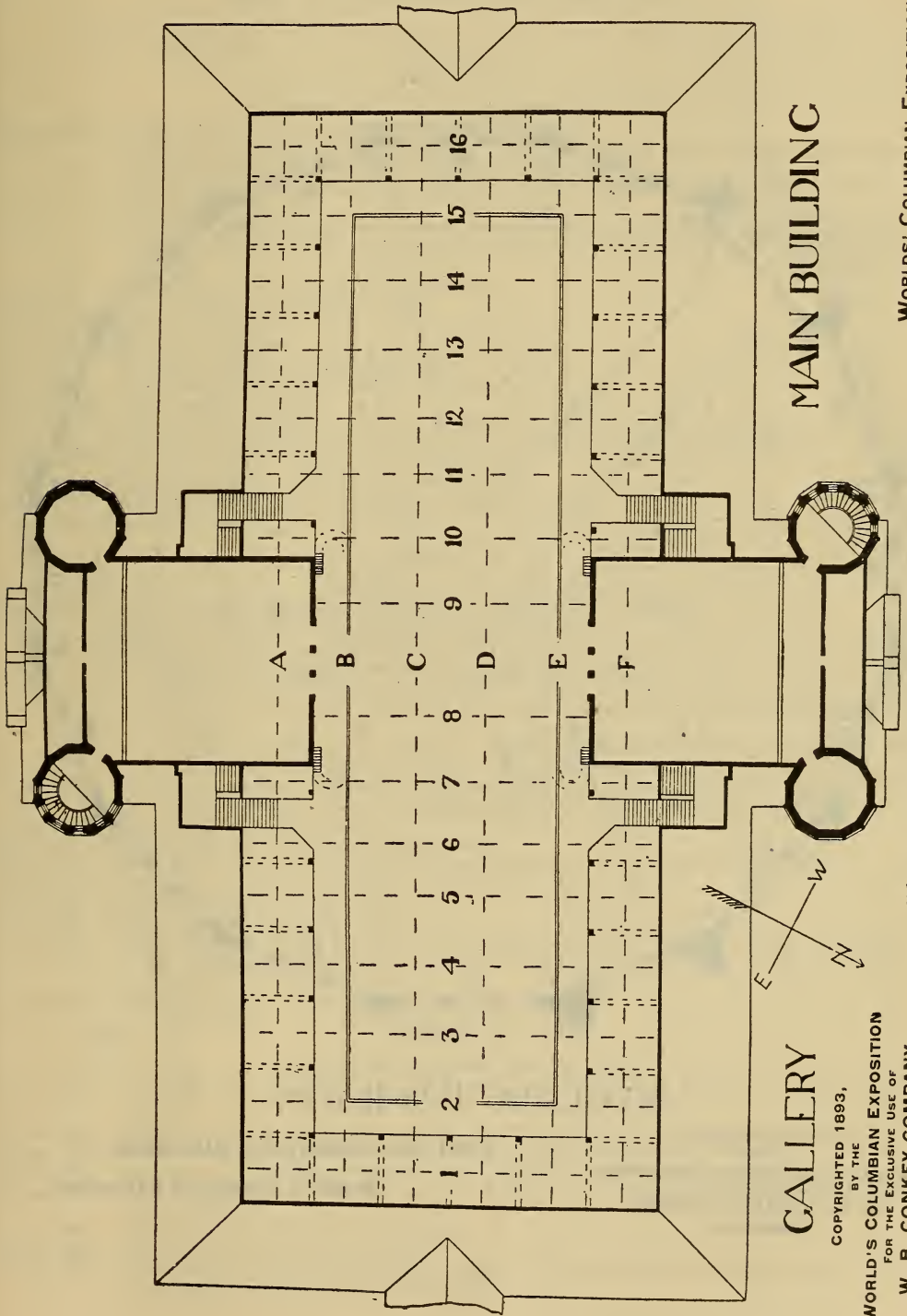


GROUND FLOOR

MAIN BUILDING

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MAIN BUILDING

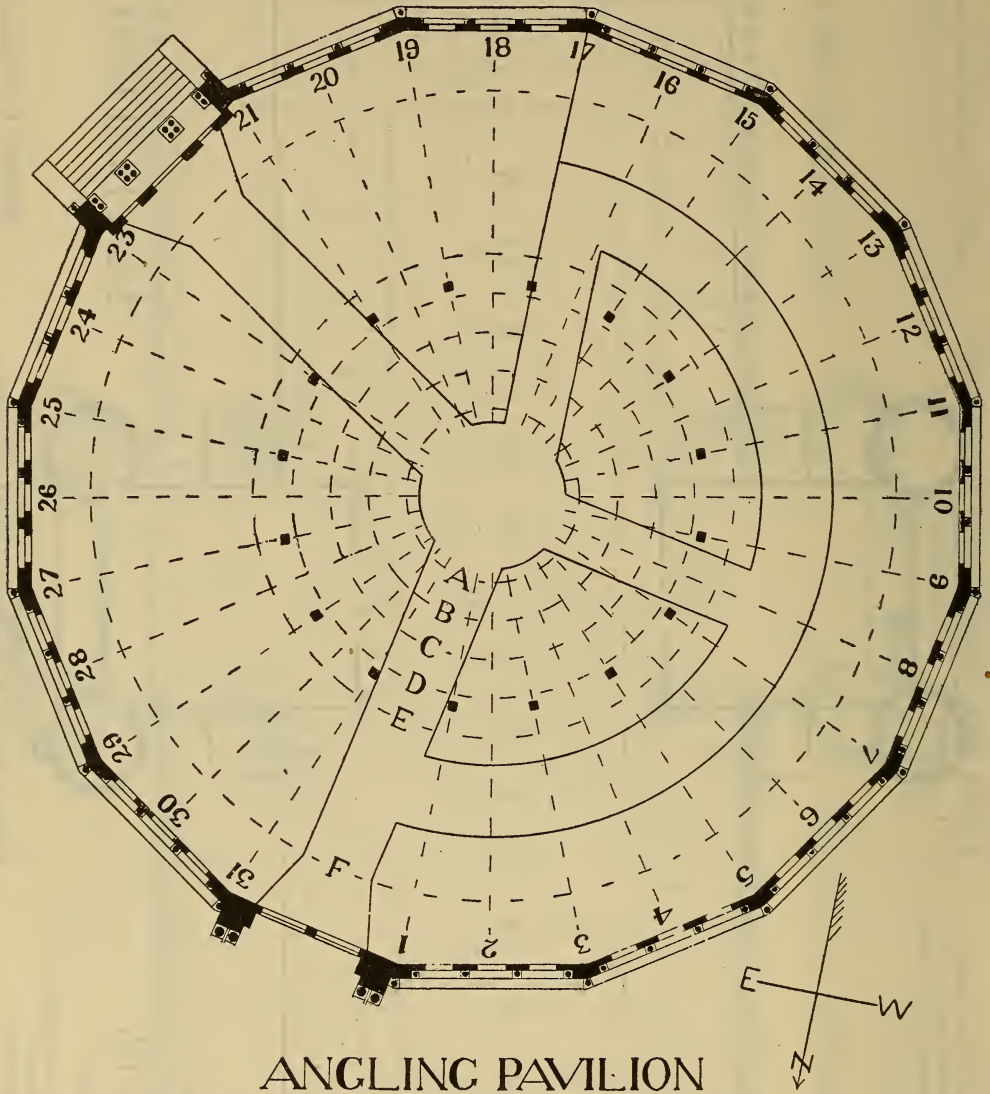
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Fish and Fisheries Building

GALLERY

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ANGLING PAVILION

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FISH AND FISHERIES BUILDING,

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CLASSIFICATION.

FISH AND FISHERIES DEPARTMENT (D).

FISH, FISHERIES, FISH PRODUCTS AND APPARATUS OF FISHING.

GROUP 37.

FISH AND OTHER FORMS OF AQUATIC LIFE.

- Class 239. Aquatic life. Scientific collections and literature. Works on aquatic zoology and botany. Maps illustrating geographical distribution, migration, etc., of fishes and other aquatic animals. Specimens and representations illustrative of the relations between extinct and existing forms of life. Specimens (marine and fresh water), fresh, stuffed or preserved, in alcohol or otherwise, casts, drawings and representations of objects named in the following classes.
- Class 240. Algæ, genera and species, with localities.
- Class 241. Sponges, corals, polyyps, jelly-fish.
- Class 242. Entozoa and epizoa.
- Class 243. Oysters, clams and mollusca of all kinds; shells.
- Class 244. Star-fishes, sea-urchins, holothurians.
- Class 245. Worms used for bait, or noxious; leeches, etc.
- Class 246. Crustacea of all kinds.
- Class 247. Fishes, living or preserved, or represented by casts, drawings or otherwise.
- Class 248. Reptiles, such as tortoises, turtles, terrapins, lizards, serpents, frogs, newts.
- Class 249. Aquatic birds.
- Class 250. Aquatic mammalia, otters, seals, whales, etc.
- Class 251. Characteristic plant and animal life at great depths.
- Class 252. Fishing grounds.

GROUP 38.

SEA FISHING AND ANGLING.

- Class 253. History of fishing, fishery laws, and fish commerce. Ancient fishing implements or their reproductions. Models, pictures, books, emblems. Charters and seals of ancient fishermen's guilds. Fishery laws of different countries. Copies of treaties, conventions, etc., dealing with international fishery relations. Reports, statistics and literature of fish, fishing and fisheries. Reports of acclimatization of fish and of attempts in that direction.
- Class 254. Gear of every description and of all nations, used in trawl, herring, long line, hand line and every other mode or system of fishing; fishing lines and rigged gear.
- Class 255. Fish hooks, jigs and drails.
- Class 256. Fishing rods and reels for lines and nets.
- Class 257. Nets and seines, rakes and dredges, and materials used in their manufacture.
- Class 258. Fish traps, weirs and pounds.
- Class 259. Fishing stations and their outfit.
- Class 260. Knives, gaffs and other apparatus.
- Class 261. Illustrations of special fisheries. The whale and seal, cod, mackerel, halibut, herring, haddock, pollock, menhaden, sword-fish, bluefish, oyster, sponge and other sea fisheries.
- Class 262. Fishing boats and vessels.

GROUP 39.

FRESH WATER FISHING AND ANGLING.

- Class 263. History and literature of angling. Waltonian literature. Folk-lore. Angler's trophies.
- Class 264. Salmon nets and fixed appliances for catching salmonidæ in all their varieties.
- Class 265. Salmon rods, reels, lines, artificial flies and baits, gaffs, spears, creels, etc.
- Class 266. Bass, pike, perch rods, reels and tackle, artificial spinning baits, etc.
- Class 267. Traps, nets, bucks, wheels, and all kinds of apparatus for catching eels, lamprays, etc.
- Class 268. Angler's apparel of every description.
- Class 269. The angler's camp and its outfit.
- Class 270. Illustrations of special fresh water fishery. Shad and alewife, sturgeon, eel, salmon, whitefish, the Great-Lake fisheries, etc.

GROUP 40.

PRODUCTS OF THE FISHERIES AND THEIR MANIPULATION.

(See also, in part, Groupe 6 and 17.)

- Class 271. Models of fish-curing and canning establishments. Methods of, and models, and other representations of any appliances for drying, curing, salting, smoking, tinning, cooking, etc.
- Class 272. Fish, dried, smoked, cured, salted, tinned or otherwise prepared for food.
- Class 273. All products prepared from fish, such as oils, roes, isinglass, etc.
- Class 274. Antiseptics suitable for preserving fish for food.
- Class 275. Oils, manures and other products prepared from fish.
- Class 276. Methods of, and models, and other representations of appliances for preparing oils and manures from fish.
- Class 277. Sea and fresh water pearl shells, mother-of-pearl, manufactured; pearls, sorted.
- Class 278. Preparation and application of sponges, corals, pearls, shells and all parts and products of aquatic animals, etc., to purposes useful and ornamental, with specimens.
- Class 279. Appliances for carrying fish and for preserving fish during transport or otherwise, and models of the same. Models of fish markets and appliances connected with the same.

GROUP 41.

FISH CULTURE.

- Class 280. The history of fish culture.
- Class 281. Hatching, breeding and rearing establishments, including oyster and other shell-fish grounds.
- Class 282. Apparatus and implements connected with fish culture and for transporting fish and fish ova. Food for fry.
- Class 283. Representations illustrative of the development and progressive growth of fish
- Class 284. Models and drawings of fish-ways and fish ladders.
- Class 285. Diseases of fish, with special reference to their origin and cure. Models and drawings.
- Class 286. Processes for rendering streams polluted by sewerage and chemical or other works innocuous to fish life. (Illustrated by models and drawings.)
- Class 287. Physico-chemical investigation into those qualities of salt and fresh water which affect aquatic animals; investigation of the bottom of the sea and of lakes, shown by samples; aquatic plants in relation to fishing, etc.; researches into the aquatic fauna (animals of the several classes preserved in alcohol, or prepared, etc.); apparatus and implements used in such researches.
- Class 288. Acclimatization of fish. Marking of introduced fish for purposes of identification.
- Class 289. Statistics of the results of fish culture. Specimens of fish artificially propagated or introduced.

Department D.--Fish, Fisheries, Etc.

UNITED STATES.

GROUP 37.

Fish and Other Forms of Aquatic Life.

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Paintings of fishes. Pav. F-17 24
2. Anclote & Rock Island Sponge Co.,
Tarpon Springs, Fla. Gal. F-5
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b Shells with sponge growths. 243
3. Gloucester Board of Trade, Gloucester,
Mass. Fishes and other forms of aquatic
life illustrated by preserved specimens,
casts, drawings, etc. F-23 239
4. Jennings, E. L., Titusville, Fla.
Gal. F-4
a Florida sponges and corals. 241
b Florida shells (Mollusks). 243
5. Marston, J. W., & Co., Boston. Casts
of lobsters. Main B-9 246
6. McClanahan, E. B., Waukegan, Ill.
Mounted brook trout. Pav. E-15 247
7. McCullough, Mrs. M. S., Philadelphia.
Mounted marine algæ. Gal. F-9 240
8. Minnesota, State.
a Maps showing distribution of species
of fishes. O-2 239
b Specimens of Minnesota fishes. 247
c Aquatic birds destructive to fishes.
249
9. Missouri, State. Mounted fishes.
Pav. B-12 247
10. Neal, John R., & Co., Boston. B-5
a Cast of swordfish; frozen fishes. 247
b Charts of fishing grounds. 252
11. North Carolina, State. Specimens of
fishes, mammals, birds and marine inver-
tebrates. K-6 239
12. Ohio State. Casts and specimen of
Ohio fishes. Pav. C-11 247
13. Pennsylvania, State. Aquarial ex-
hibit of fishes, colored sketches of fishes.
Pav. E-29 247
14. San Diego High School, San Diego,
Cal. F-3
a Sea-weed (Algæ). 240
b Shells (Mollusks). 243
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d Crustaceans. 246
e Mounted and dried fishes. 247
f Turtles. 248
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a Storm worm. Gal. F-7 245
b Shrimp. 246
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16. Washington State.
a Maps and charts. Main M-25 239
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c Star-fishes. 244
d Crabs. 246
e Fishes; fresh, mounted, cast and
alcoholic specimens. 247
f Skeleton of humpback whale. 250
17. Wisconsin, State.
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18. American Net & Twine Co., Boston.
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19. Ams, Max, New York.
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20. Anclote & Rock Island Sponge Co.,
Tarpon Springs, Fla. Sponge boats and
outfits. Gal. F-5 262
21. Booth, A., Packing Co., Chicago. Fresh
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22. Bristow & Dixon, Stormont, Va. Oys-
ter tngs. C-12 257
23. Gloucester Board of Trade, Gloucester,
Mass.
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showing progress of the Gloucester
fisheries. F-23 253
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c Fish-hooks, jigs and drails. 255
d Nets, seines, rakes and dredges. 257
e Fish-traps, weirs and pounds. 258
f Fishing stations and outfits. 259
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h Illustrations of special fisheries. 261
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b Lobster traps. 258
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fishing. 262
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DEPARTMENT D.—FISH, FISHERIES, ETC.

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31. Acme Folding Boat Co., Miamisburg, Ohio. Folding boats. Pav. F-7 269
 32. Angell, Albert, East Orange, N. J. Artificial baits. Pav. E-15. 266
 33. Benson, A. G., Philadelphia.
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b Rod, ferrule joint. 266
 34. Buel, J. T., Co., Whitehall, N. Y. Artificial baits and trolling spoons. Pav. A-3 266
 35. Comstock, A. S., Evanston, Ill. Tent for anglers. Pav. F-11 269
 36. Forest & Stream Publishing Co., New York. Publications and illustrations of angling. Pav. F-1 263
 37. Gold Medal Camp Furniture Co., Racine, Wis. Folding camp furniture. Pav. F-13 269
 38. Graves, Calvin V., Natural Bridge, N. Y. Trolling bait. Pav. D-14 266
 39. Harris, Wm. C., New York. Paintings and publications of angling. Pav. F-2 263
 40. Hibbard, Chas. B., Grand Rapids, Mich. Artificial baits and trolling spoons. Pav. D-9 269
 41. Horten Mfg. Co., Bristol, Conn. Fishing rods. Pav. E-11 266
 42. Howarth, Samuel, Florissant, Col. Artificial flies, fishing tackle. Pav. D-7 266
 43. Meisselbach, A. F. & Bro., Newark, N. J. Fishing reels, landing-net frames, rod-holder. Pav. E-9 266
 44. Milam, B. C., & Son, Frankfort, Ky. Fishing reels. Pav. A-5 266
 45. Osgood Portable Boat Co., Battle Creek, Mich. Folding fishing boats and fittings. Pav. F-4 269
 46. Rosatka, Joseph, Chicago. Automatic fishing tackle. Pav. F-15 266
 47. Shipley, A. B., & Son, Philadelphia. Rods, reels, flies and tackle. Pav. E-4 266
 48. Skinner, Gardiner M. Clayton, N. Y. Trolling spoons. Pav. F-15 266
 49. Spalding, A. G., & Bros., New York. Fishing rods. Pav. C-9 266
 50. Stagg, Mrs. Essel, Frankfort, Ky. Mounted tarpon with tackle. Pav. E-15 263
 51. Vom Hofe, Julius, Brooklyn, N. Y. Fishing reels. Pav. E-7 266
 52. Waltonian Manufactory Co., Chicago. Artificial flies. Pav. F-14 266
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 54. Yawman & Erbe, Rochester, N. Y. Fishing reels. Pav. E-13 266

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b Caviare. 273
 56. Anclote & Rock Island Sponge Co., Tarpon Springs, Fla. Models of sponge press and appliances. Gal. F-5 271
 57. Booth, A., Packing Co., Chicago. Canned goods. P-25 272
 58. Burnham, Edw. K., Gloucester, Mass. Canned mackerel. M-19 272
 59. Burnham & Morrill Co., Portland, Maine. Canned fish. N-25 272
 60. Gloucester Board of Trade, Gloucester, Mass.
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b Cured and preserved fish. 272
c Products of fisheries. 273
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e Models of fish markets, wharves, appliances for handling fish, etc. 279
 61. Gloucester Isinglass & Glue Co., Gloucester, Mass.
a Fish glues and isinglass. H-15 273
b Fish glue articles. 278
 62. Holmes, Eben A., Eastport, Maine. Canned sardines and lobsters. M-2-1 272
 63. Kelley, Ezra, New Bedford, Mass. Black fish oil for watches. M-12 275
 64. Mann Bros., Chicago. Pails for shipping oysters. C-11 279
 65. Marston, J. W., & Co., Boston.
a Model of building and appliances for lobster industry. Main B-9 271
b Models of lobster market and appliances. 279
 66. Megler, J. G., & Co., Brookfield, Wash. Canned salmon. K-23 272
 67. Meierdiercks, J. A., & Sons, New York. Salt and preserved fish. M-23 272
 68. Neal, John R., & Co. Boston.
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 69. Nye, Wm. F., New Bedford, Mass. Watch, clock and chronometer oil. M-13275
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UNITED STATES.

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GROUP 38.

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GROUP 38.

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GROUP 40.

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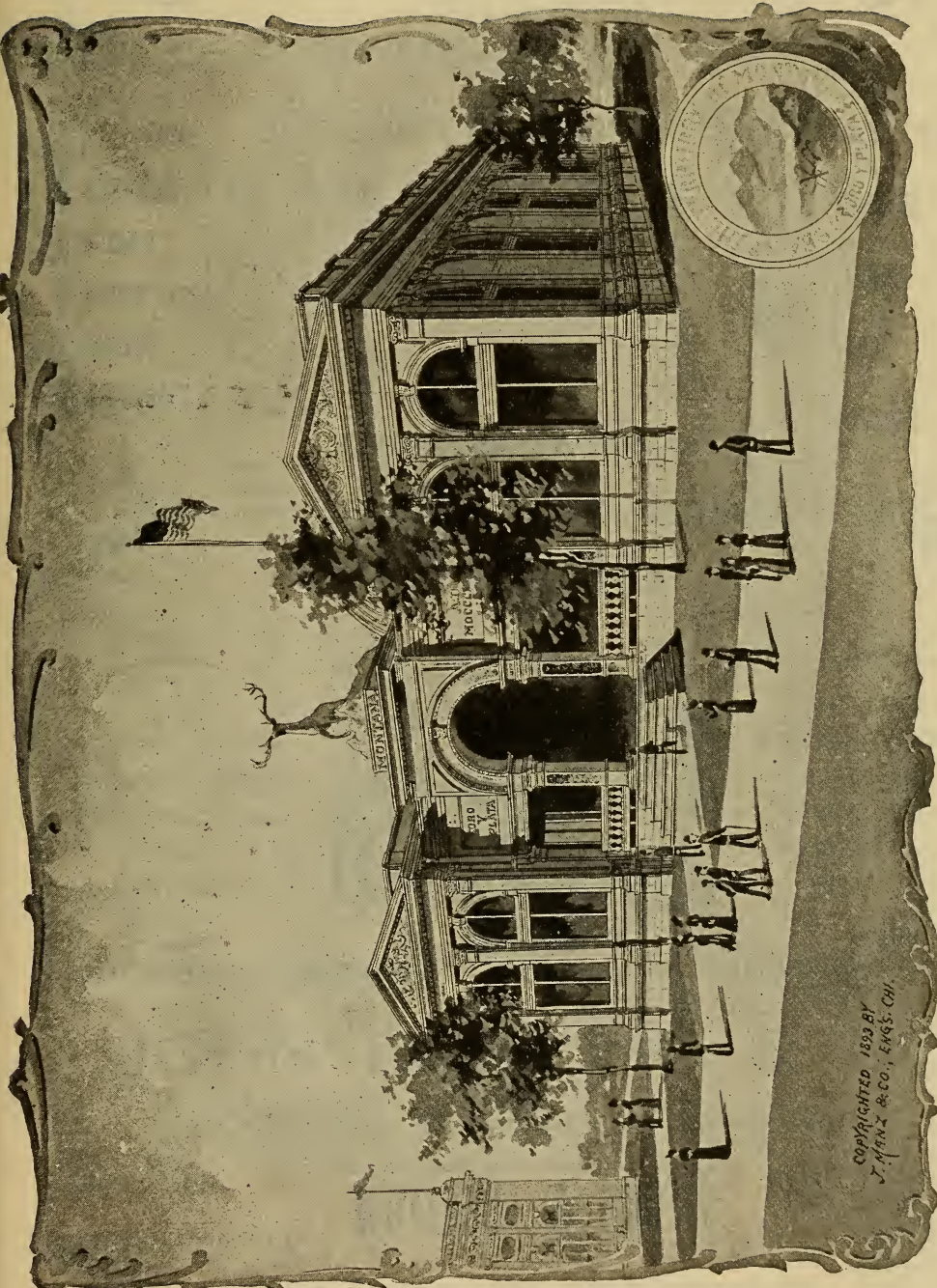
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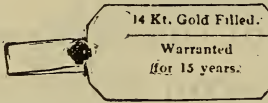
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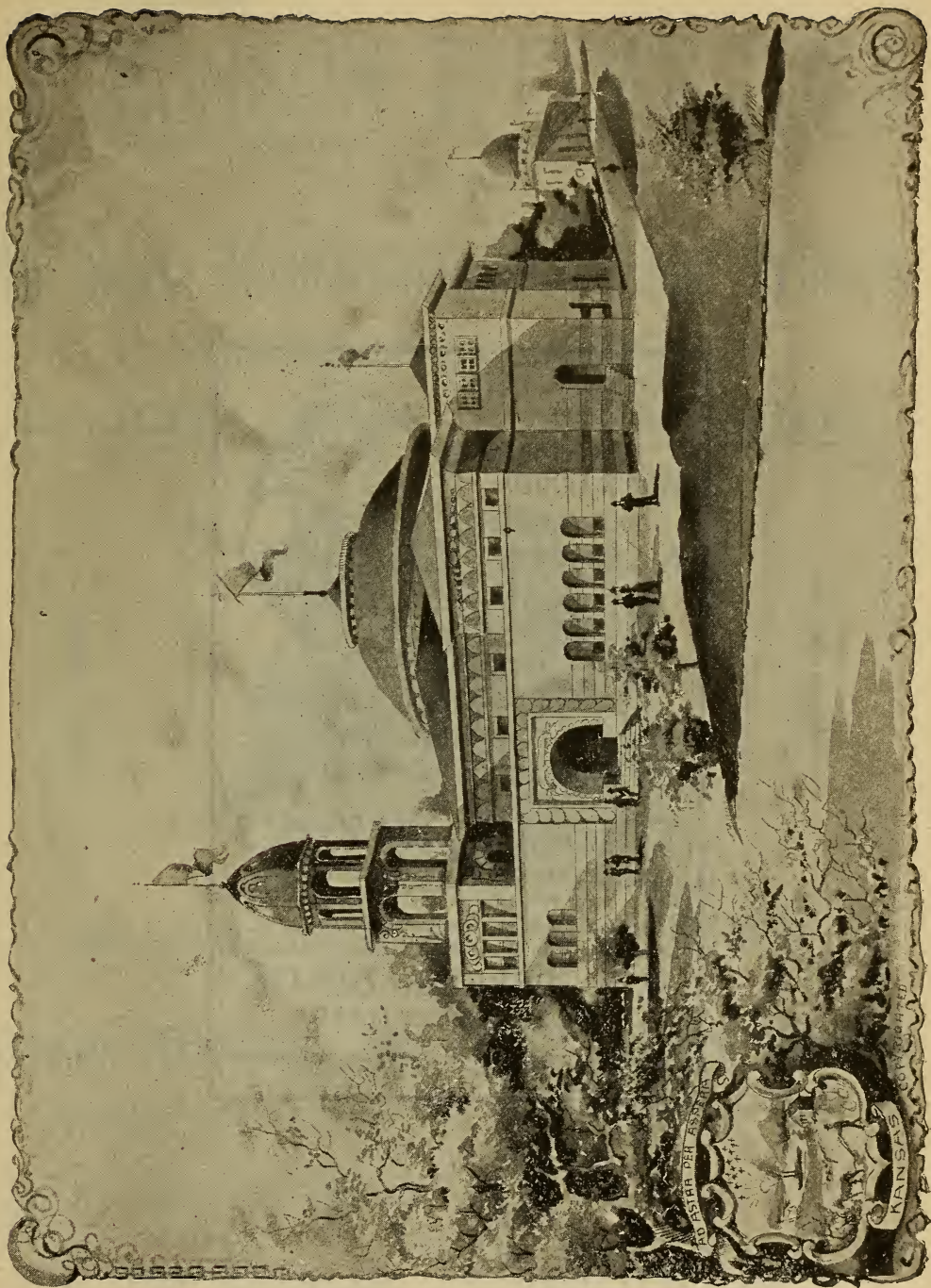


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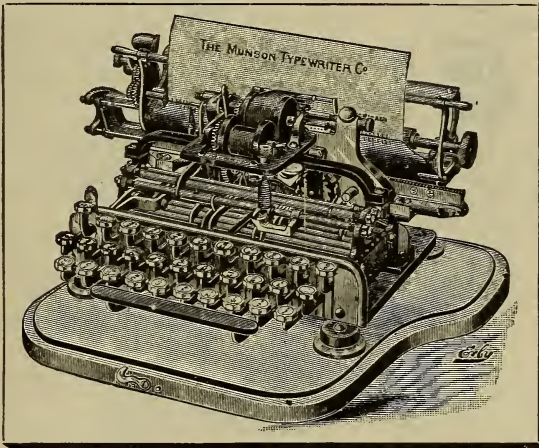
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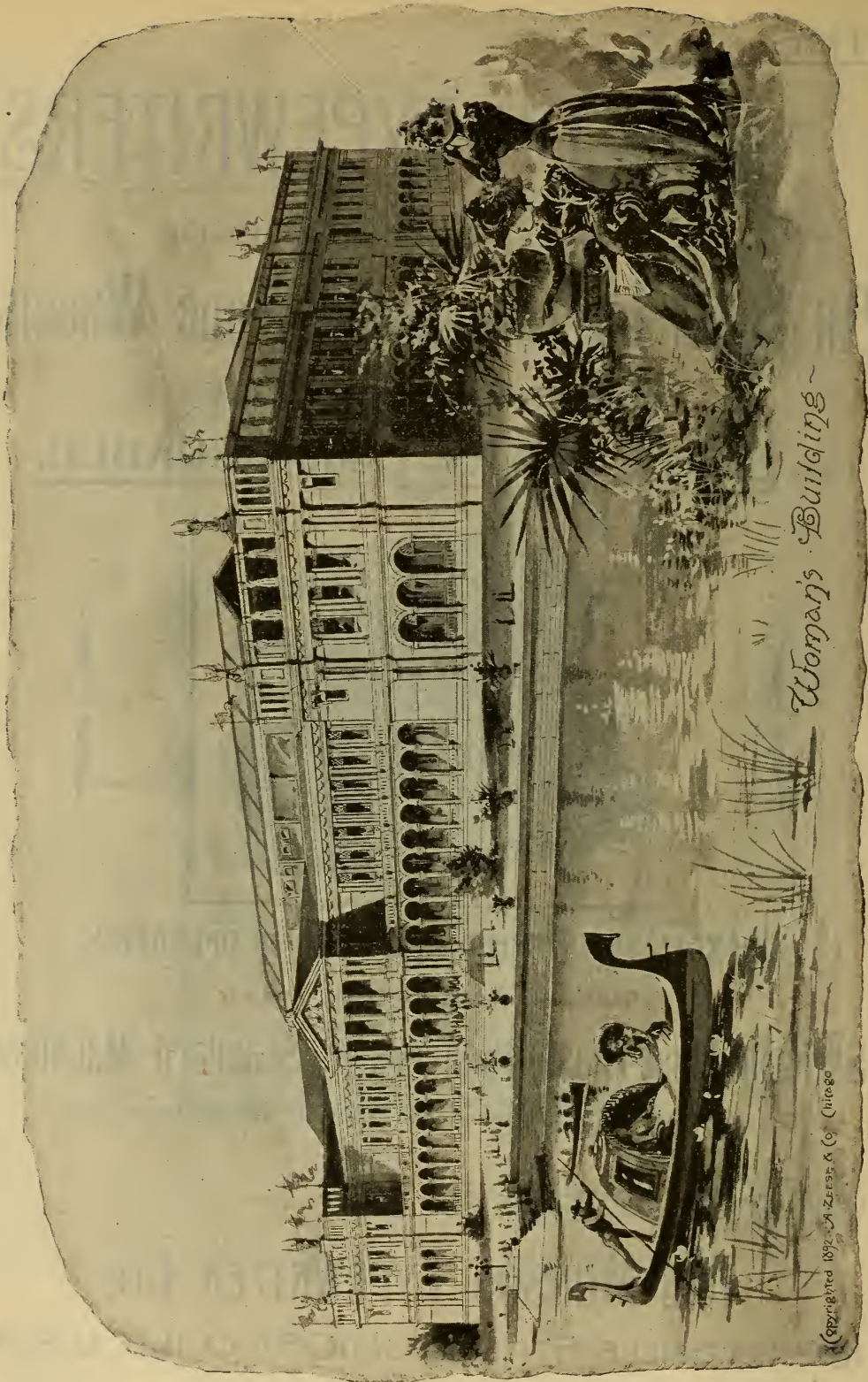
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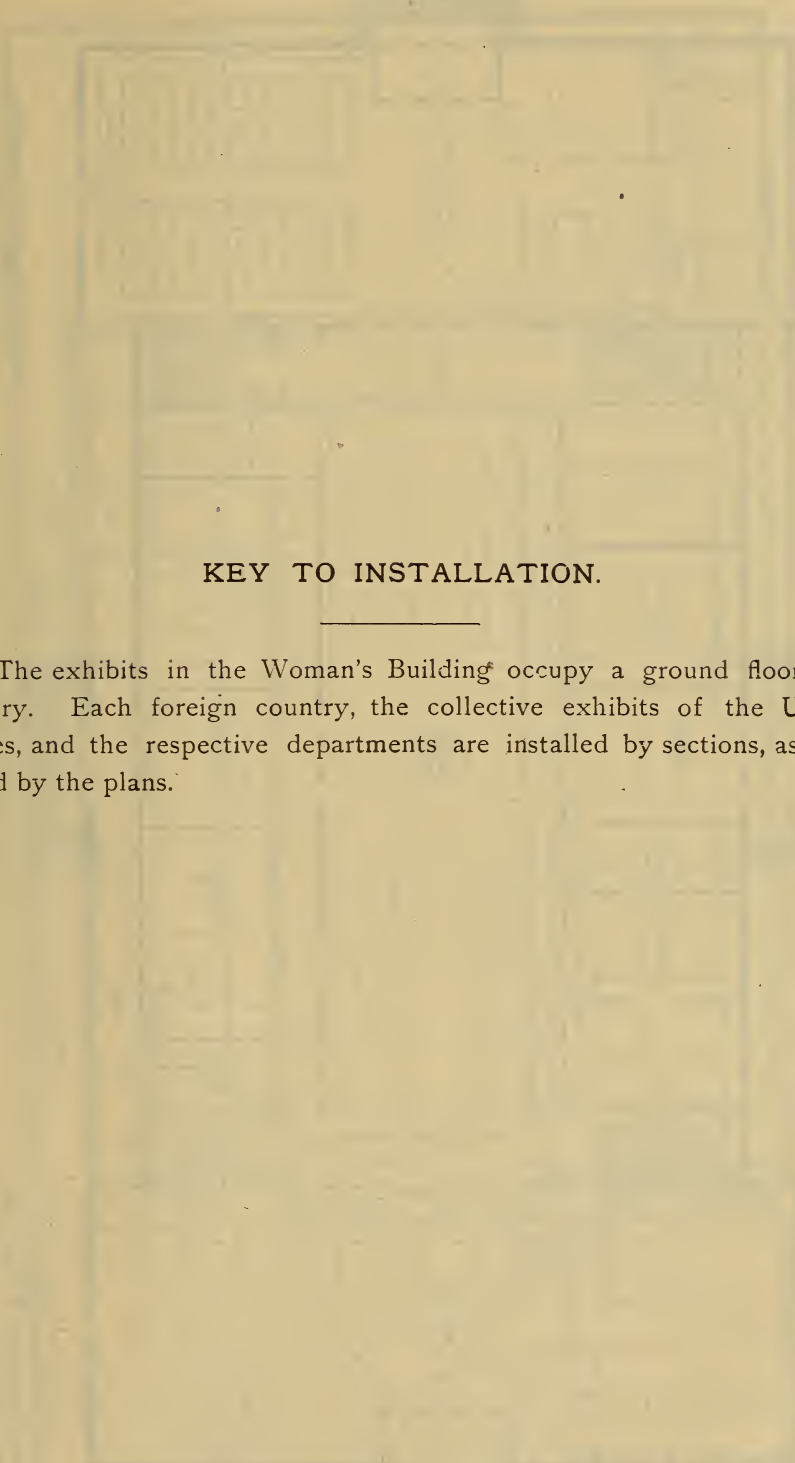
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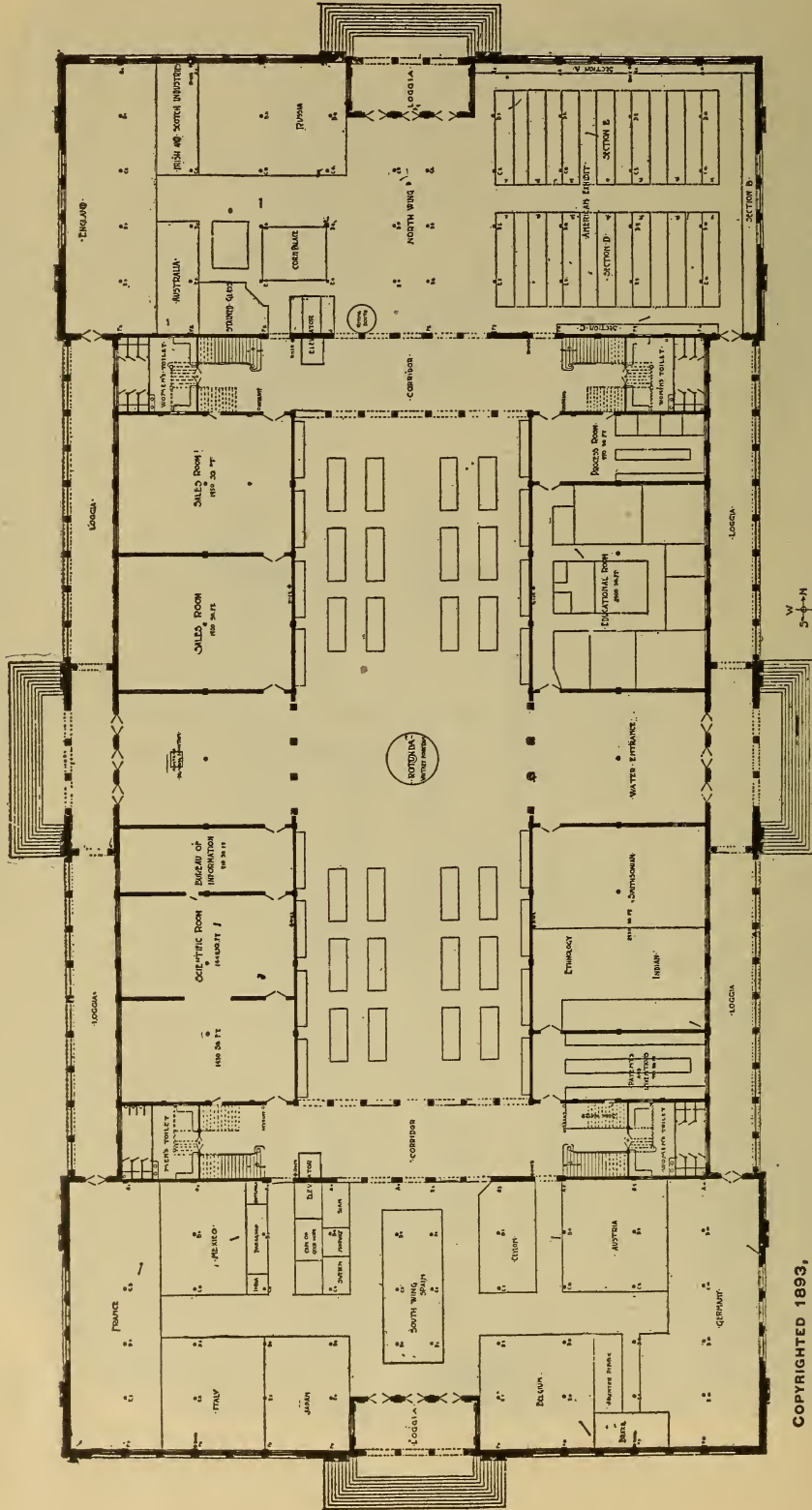
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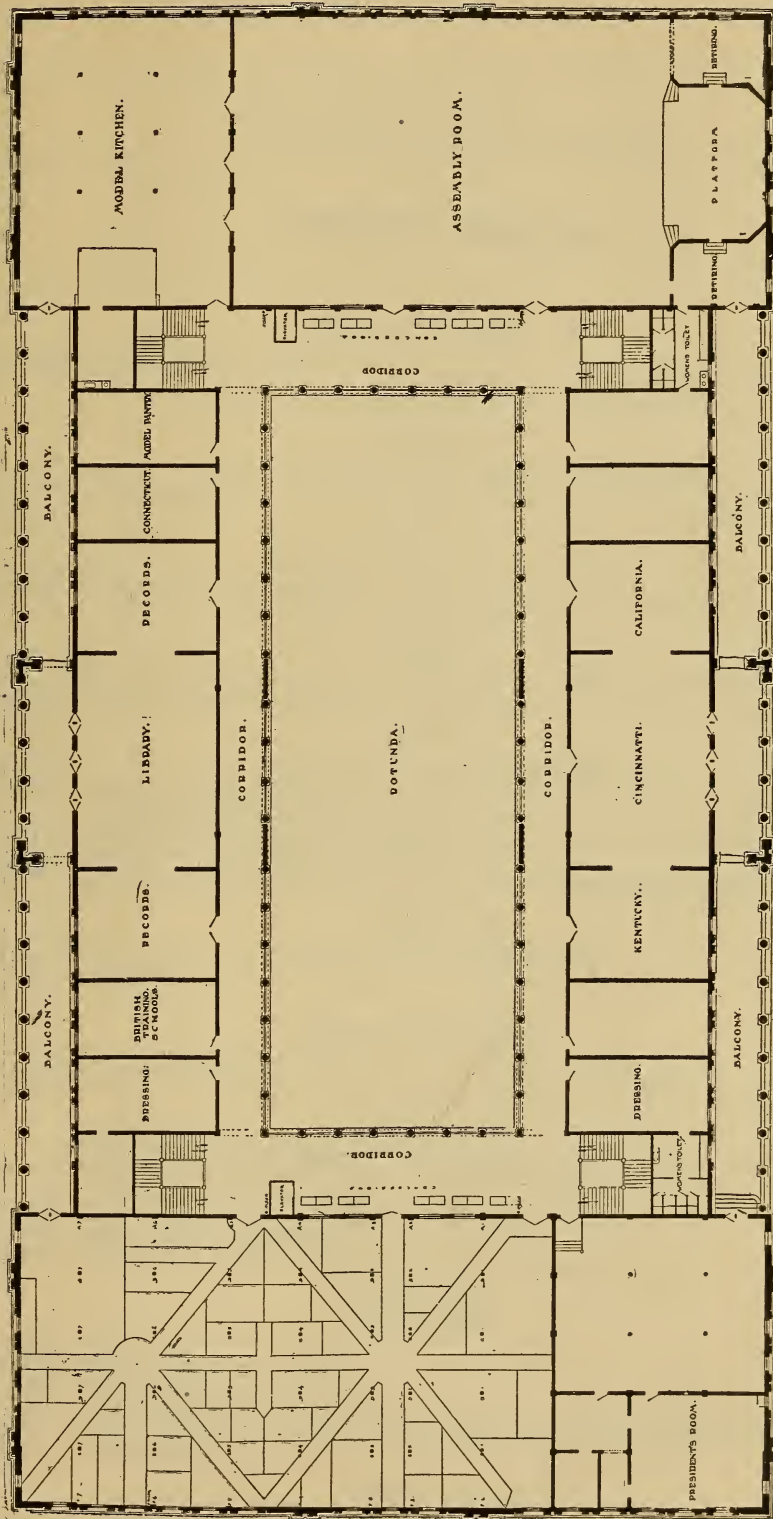
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CLASSIFICATION.

WOMAN'S BUILDING.

DEPARTMENT A.

AGRICULTURE, FOOD AND ITS ACCESSORIES, FORESTRY AND FOREST PRODUCTS, MACHINERY AND APPLIANCES.

GROUP 2.

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

Class 12. Bread and its manufacture, baking powder, yeast and its preparations.

GROUP 7.

THE DAIRY AND DAIRY PRODUCTS.

Class 44. Dairy fittings and appliances—churn for hand and power, butter workers, can and pails, cheese presses, vats and apparatus.

GROUP 8.

TEA, COFFEE, SPICES, HOPS, AND AROMATIC AND VEGETABLE SUBSTANCES.

Class 45. Tea, coffee, cocoa, chocolate and substitutes.

GROUP 9.

ANIMAL AND VEGETABLE FIBRES.

Class 53. Cotton on the stalk—its several varieties; long and short staples, shown by living examples, by engravings, photographs, etc.

Class 59. Hemp, flax, jute, ramie, and other vegetable fibres not enumerated, in primitive forms and in all stages for spinning.

Class 61. Silk worms, silk in the cocoons, apparatus and appliances used in silk culture.

GROUP 18.

FATS, OILS, SOAPS, CANDLES, ETC.

Class 97. Candles, etc.

DEPARTMENT B.

HORTICULTURE, VITICULTURE, POMOLOGY, FLORICULTURE, ETC.

GROUP 21.

POMOLOGY, MANUFACTURED PRODUCTS—METHODS AND APPLIANCES.

Class 139. Dried and evaporated apples, peaches, pears and other fruits. Prunes, figs, dates, etc., in glass or boxes.

Class 140. Fruits in glass or cans, preserved in syrup or alcohol.

Class 141. Jellies, jams, marmalades.

Class 143. Cider, perry, vinegar and expressed juices of berries.

GROUP 22.

FLORICULTURE.

Class 160. Ferns.

Class 164. Native wild plants and flowers.

Class 165. Ornamental grasses and reeds.

Class 167. Cut flowers. Floral designs, pressed flowers, leaves, sea-weeds and bouquets

Class 169. Receptacles for plants, flower pots, plant boxes, fern cases, tubs, jardinières.

Class 171. Miscellaneous.

GROUP 23.

CULINARY VEGETABLES.

Class 176. Vegetables dried or in cans or glass.

Class 177. Pickles, champignons, truffles, chutney, mustard, etc.

DEPARTMENT C.

LIVE STOCK—DOMESTIC AND WILD ANIMALS.

GROUP 34.

POULTRY AND BIRDS.

Class 229. Pheasants and other ornamental birds.

Class 230. Birds of all countries, alive and as stuffed specimens. Taxidermy methods and appliances.

GROUP 36.

WILD ANIMALS.

Class 236. Animals of all countries, alive and as stuffed specimens.

DEPARTMENT D.

FISH, FISHERIES, FISH PRODUCTS AND APPARATUS OF FISHING.

GROUP 37.

FISH AND OTHER FORMS OF AQUATIC LIFE.

Class 240. Algæ, genera and species, with localities.

GROUP 38.

SEA FISHING AND ANGLING.

Class 257. Nets and seines, rakes and dredges, and materials used in their manufacture.

DEPARTMENT E.

MINES, MINING AND METALLURGY.

GROUP 42.

MINERALS, ORES, NATIVE METALS, GEMS AND CRYSTALS—GEOLOGICAL SPECIMENS.

Class 290. Collections of minerals systematically arranged.

Class 291. Collections of ores and the associated minerals. Diamonds and gems, rough, uncut and unmounted. Crystallography.
Specimens illustrating the formations of the earth, systematically arranged.

GROUP 44.

BUILDING STONES, MARBLES, ORNAMENTAL STONES AND QUARRY PRODUCTS.

Class 296. Building stones, granites, slates, etc., rough hewn, sawed or polished—for buildings, bridges, walls, or other constructions, or for interior decoration, or for furniture.

Marble, white, black or colored—stalagmitic marbles, onyx, brecciated marbles, silicified wood, agates, jaspers, porphyries, etc., used in building, decoration, statuary, monuments, vases or furniture.

GROUP 45.

GRINDING, ABRADING AND POLISHING SUBSTANCES.

Class 297. Grindstones, hones, whetstones, grinding and polishing materials, sand, quartz, garnet, crude topaz, diamond, corundum, emery in the rock and pulverized, and in assorted sizes and grades.

GROUP 47.

LIMESTONE, CEMENTS AND ARTIFICIAL STONE.

Class 309. Lime, cement and hydraulic cement, raw and burned, accompanied by specimens of the crude rock or material used; also artificial stone, concrete, beton.

Specimens of lime mortar and mixtures, with illustrations of the processes of mixing, etc. Hydraulic and other cements.

GROUP 67.

HISTORY AND LITERATURE OF MINING AND METALLURGY.

Class 412. Mine engineering—surface and underground surveying and plotting, projection of underground work, location of shafts, tunnels, etc.; surveys for aqueducts and for drainage.

Boring and drilling rocks, shafts and tunnels, etc.; surveys for aqueducts and for ascertaining the nature and extent of mineral deposits.

Construction—sinking and lining shafts by various methods, driving and timbering tunnels and the general operations of opening, stopping and breaking down ore; timbering, lagging and masonry.

Hoisting and delivering at the surface, rock, ore or miners; pumping and draining by engines, buckets or by adits.

Ventilating and lighting.

DEPARTMENT F.**MACHINERY.****GROUP 72.****MACHINERY FOR THE MANUFACTURE OF TEXTILE FABRICS AND CLOTHING.**

Class 436. Machines for the manufacture of woolen goods.

GROUP 77.**MISCELLANEOUS HAND-TOOLS, MACHINES AND APPARATUS USED IN VARIOUS ARTS.**

Class 484. Machines for ironing, drying, scouring and laundry work generally.

GROUP 78.**MACHINES FOR WORKING STONE, CLAY AND OTHER MINERALS.**

(See also Department E.)

Class 492. Brick, pottery and tile machines. Machines for making artificial stone.

DEPARTMENT G.**TRANSPORTATION—RAILWAYS, VESSELS, VEHICLES.****GROUP 80.****RAILWAYS, RAILWAY PLANT AND EQUIPMENT.**

Class 500. Railway equipment—locomotives for passenger and freight service. Locomotive appliances—head lights, bells, whistles, brake valves and apparatus, etc. Plans, drawings and photographs of locomotives and locomotive shops. Passenger cars—mail, baggage and express coaches, drawing-room, parlor, dining, officers' and private cars, etc. Passenger car furnishings and appliances. Freight cars—box, caboose, stock, horse, milk, refrigerator and other varieties. Working cars—sweeping, ditching, wrecking, etc.; snow plows, hand, inspection, push and velocipede cars, baggage barrows and trucks. Freight car appliances of all descriptions. Plans, drawings and photographs of cars and car works.

GROUP 81.**STREET CAR AND OTHER SHORT LINE SYSTEMS.**

Class 506. Cars for street railways or tramways operated by horse-power or other means of propulsion not specified. Construction. Equipment and supplies. Methods of operation.

GROUP 83.**VEHICLES AND METHODS OF TRANSPORTATION ON COMMON ROADS.**

Class 523. Harness, saddlery, robes, whips and accessories of the stable.

GROUP 84.**AERIAL, PNEUMATIC AND OTHER FORMS OF TRANSPORTATION.**

Class 527. Passenger elevators and lifts.

GROUP 85.**VESSELS, BOATS—MARINE, LAKE AND RIVER TRANSPORTATION.**

Class 534. Protection of life and property and communication at sea. Harbors; light-houses; buoys and similar aids to navigation and all pertaining thereto; life-saving service, boats, rafts, belts, etc.; precautions against fire aboard ship and devices for extinguishing it; storm and coast signals; marine signals. Models, plans, samples, etc.

DEPARTMENT H.**MANUFACTURES.****GROUP 87.****CHEMICAL AND PHARMACEUTICAL PRODUCTS—DRUGGISTS' SUPPLIES.**

Class 547. Drugs and pharmaceutical preparations and compounds.

Class 549. Flavoring extracts, essences, essential oils, toilet soap, perfumery, pomades, cosmetics, etc.

GROUP 89.**TYPEWRITERS, PAPER, BLANK BOOKS, STATIONERY.**

Class 563. Wall papers, oil papers.

Class 564. Typewriters, stationery and stationers' goods; ink-stands, weights, rules, pens, pencils, filing-cases, letter presses, etc.

GROUP 90.**FURNITURE OF INTERIORS, UPHOLSTERY AND ARTISTIC DECORATION.**

- Class 566. Tables for various purposes—billiard, card, dining, etc.
 Class 567. Suites of furniture for the hall, parlor, drawing-room, library, dining-room and for the bed-chamber.
 Class 568. Upholstery for windows, doors; curtains, portieres, etc.
 Class 572. Artistic furnishing, illustrated by completely furnished apartments, with selections of furniture and various objects of adornment from other groups.

GROUP 91—CERAMICS AND MOSAICS.**FOR CLAYS AND OTHER MATERIALS SEE GROUP 46.**

- Class 576. Earthenware, stone, china and semi-porcelain ware, faïence, etc., with soft glazes and with high-fire, feld-spathic glazes and enamels.
 Class 577. Porcelain with white or colored body, painted, incised or pate-sur-pate decoration.
 Class 578. Tiles—plain, encaustic and decorated tiles, bosses, tessaræ, etc., for pavements, mural and mantel decoration, etc.
 Class 579. Mural decoration; reredos and panels; borders for fireplaces and mantels.

GROUP 92.**MARBLE, STONE AND METAL MONUMENTS, MAUSOLEUMS, MANTELS, ETC.—CASKETS, COFFINS AND UNDERTAKERS' FURNISHING GOODS.**

- Class 582. Marble and stone fountains, balustrades and miscellaneous ornaments.
 Class 583. Marble, stone and metal mantels and ornaments.

GROUP 93.**ART METAL WORK—ENAMELS, ETC.**

- Class 585. Art metal work; selected examples of iron forgings, bronzes, bas-reliefs, repousse and chiseled work.
 Class 586. Cloisonne enamels.

GROUP 94.**GLASS AND GLASSWARE.**

- Class 592. Cut-glass ware for the table and various purposes. Engraved and etched glass.
 Class 593. Fancy glassware—plain, iridescent, opalescent, colored, enameled, painted beaded, gilded, etc. Millefiori and aventurine glass.
 Class 595. Glass mosaics, beads, spun glass and glass fabrics.

GROUP 95.**STAINED GLASS IN DECORATION.**

- Class 596. Civic and domestic stained glass work, panels, windows, etc.
 Class 597. Ecclesiastical stained glass work.

GROUP 96.**CARVINGS IN VARIOUS MATERIALS.**

- Class 598. Wood carving.
 Class 601. Metal carving and chiseling.

GROUP 97.**GOLD AND SILVER WARE, PLATE, ETC.**

- Class 607. Fancy bonbon and other spoons; miscellaneous fancy articles in silver—snuff-boxes, match-boxes cane-heads, handles, chatelaines, etc.

GROUP 98.**JEWELRY AND ORNAMENTS.**

- Class 612. Gold ornaments for the person, etc.
 Class 613. Diamonds and various colored gems, as rubies, sapphires, emeralds, chrysoberyls, tourmalines, topazes, etc., mounted in various ornaments. (For gems in the rough and unmounted in part, see Department E.)
 Class 614. Agates, onyx, jasper, ornaments for the person.

GROUP 100.**SILK AND SILK FABRICS.**

- Class 625. Raw silk as reeled from the cocoon, thrown or twisted silks on the gum.
 Class 629. Figured-silk piece goods, woven or printed. Upholstery silks, etc.
 Class 630. Crapes, velvets, gauzes, cravats, handkerchiefs, hosiery, knit goods, laces, scarfs, ties, veils; all descriptions of cut and made-up silks.
 Class 632. Bindings, braids, cords, galloons, ladies' dress trimmings, upholsterers', tailors', military and miscellaneous trimmings.

GROUP 101.

FABRICS OF JUTE, RAMIE AND OTHER VEGETABLE AND MINERAL FIBRES.

- Class 634. Ramie and other fabrics.
- Class 635. Mats and coarse fabrics of grass, etc.
- Class 637. Woven fabrics of mineral origin—fine wire-cloths, sieve-cloth, wire screen, bolting cloth. (See also Group 117.) Asbestos fibre, spun and woven, with the clothing manufactured from it. Glass thread, floss and fabrics. (See also Class 595.)

GROUP 102.

YARNS AND WOVEN GOODS OF COTTON, LINEN AND OTHER VEGETABLE FIBRES.

- Class 638. Cotton fabrics, etc.
- Class 639. Linen fabrics—linen thread, cloths and drills, plain and mixed; napkins, table-cloths, sheetings, shirtings, etc.; cambrics, handkerchiefs and other manufactures of linen.

GROUP 103.

WOVEN AND FELTED GOODS OF WOOL AND MIXTURES OF WOOL.

- Class 647. Sundries and small wares, webbings and gorings, bindings, beltings, braids galloons, fringes and gimps, cords and tassels, and all elastic fabrics, dress trimmings, embroideries, etc.
- Class 649. Carpets and rugs, ingrains (two-ply and three-ply) and art carpets, tapestry, and body Brussels, tapestry velvet, Wilton or Wilton velvet, Axminster, tapestry Wilton, Moquette, ingrain and Smyrna rugs, other woolen rugs, rag carpets.

GROUP 104.

CLOTHING AND COSTUMES.

- Class 653. Dresses gowns, habits, costumes.
- Class 654. Hats and caps.
- Class 657. Knit goods and hosiery, woven gloves, gloves of leather and skins.
- Class 659. Sewing machines for domestic purposes.

GROUP 105.

FURS AND FUR CLOTHING.

- Class 660. Furs and skins, dressed and tanned. Of the cat tribe, of the wolf tribe, of the weasel tribe, of the bear tribe, of the seal tribe. Fur seals—Alaska, Oregon, South Georgia, Shetland and Siberia, undressed, plucked and dyed. Hair seals, Greenland and Labrador seals, spotted seals, silver seal, harp seal, saddleback. Furs of rodent animals—squirrels, chinchilla, beaver, hares, rabbits and other fur bearing animals. Birds' skins treated as furs. Swans and swans'-down. Skins. Goose and goose-down used as swans'-down. Grebe, eider-down and penguin.
- Class 661. Fur mats and carriage or sleigh robes.
- Class 662. Fur clothing.

GROUP 106.

LACES, EMBROIDERIES, TRIMMINGS, ARTIFICIAL FLOWERS, FANS, ETC.

- Class 664. Laces of linen and cotton, of silk, wool or mohair, made with the needle or the loom; silver and gold lace.
- Class 665. Embroideries, crochet-work, etc.; needle-work.
- Class 666. Artificial flowers for trimming and for decoration of apartments.
- Class 667. Fans.
- Class 668. Trimmings in variety, not otherwise classed. Buttons, hooks and eyes, pins and needles.
- Class 669. Art embroidery and needle-work.
- Class 670. Tapestries, hand-made.

GROUP 107.

HAIR WORK, COIFFURES AND ACCESSORIES OF THE TOILET.

- Class 672. Hair work, as souvenirs and ornaments.

GROUP 108.

TRAVELING EQUIPMENTS—VALISES, TRUNKS, TOILET CASES, FANCY LEATHER WORK, CANES, UMBRELLAS, PARASOLS, ETC.

- Class 679. Trunks of leather, paper, canvas and of wood and metal.
- Class 680. Fancy bags, pouches, purses, card-cases, portfolios, pocket-books, cigar-cases, smoking-pipes, cigar-holders, etc.

GROUP 109.

RUBBER GOODS, CAOUTCHOUC, GUTTA PERCHA, CELLULOID AND ZYLONITE.

- Class 683. Clothing:—Mackintoshes, capes, coats, boots, shoes, hats, etc.

GROUP 110.

TOYS AND FANCY ARTICLES.

- Class 693. Automatic and other toys and games for the amusement and instruction of children.
- Class 695. Miscellaneous fancy articles not especially classed.

GROUP III.**LEATHER AND MANUFACTURES OF LEATHER.**

- Class 705. Embossed leather for furniture, wall decoration, etc.
(For trunks see Class 679. For harness, saddlery, etc., see Class 523.)

GROUP 115.**HEATING AND COOKING APPARATUS AND APPLIANCES.**

- Class 726. Steam heaters, hot-water heaters, radiators, etc.
Class 727. Stoves for heating, cooking stoves, kitchen ranges, grills, roasting jacks, ovens, etc. Stove polish.
Class 729. Petroleum stoves.
Class 730. Kitchen utensils and other miscellaneous articles for household purposes.

GROUP 116.**REFRIGERATORS, HOLLOW METAL WARE, TIN WARE, ENAMELED WARE.**

- Class 731. Refrigerators. Soda and aerated water fountains and appliances.

GROUP 117.**WIRE GOODS AND SCREENS, PERFORATED SHEETS, LATTICE WORK, FENCING, ETC.**

(See also Group 65.)

- Class 738. Screens for special purposes.

GROUP 120.**PLUMBING AND SANITARY MATERIALS.**

- Class 753. Bath tubs, bathing appliances and attachments.
Class 755. Porcelain laundry tubs, basins, cocks, drains and other appliances.

GROUP 121.**MISCELLANEOUS ARTICLES OF MANUFACTURE NOT HERETOFORE CLASSED.****DEPARTMENT K.****FINE ARTS; PAINTING, SCULPTURE, ARCHITECTURE AND DECORATION.****GROUP 139.****SCULPTURE.**

- Class 820. Figures and groups in marble; casts from original works by modern artists; models and monumental decorations.
Class 821. Bas-reliefs in marble or bronze.
Class 822. Figures and groups in bronze.

GROUP 140.**PAINTINGS IN OIL.****GROUP 141.****PAINTINGS IN WATER COLORS.****GROUP 142.**

- PAINTINGS ON IVORY, ON ENAMEL, ON METAL, ON PORCELAIN OR OTHER WARES; FRESCO PAINTING ON WALLS.**

GROUP 143.**ENGRAVINGS AND ETCHINGS; PRINTS.****GROUP 144.****CHALK, CHARCOAL, PASTEL, AND OTHER DRAWINGS.****GROUP 146.****EXHIBITS OF PRIVATE COLLECTIONS.****DEPARTMENT L.****LIBERAL ARTS—EDUCATION, LITERATURE, ENGINEERING, PUBLIC WORKS, MUSIC AND THE DRAMA.****GROUP 147.****PHYSICAL DEVELOPMENT, TRAINING AND CONDITION—HYGIENE.**

- Class 825. Athletic training and exercise gymnasiums; apparatus for physical development and of gymnastic exercises and amusement; skating, walking, climbing, ball-playing, wrestling, acrobatic exercises; rowing, hunting, etc. Special apparatus for training in schools, gymnasia; apparatus for exercise, drill, etc.
Class 826. Alimentation—food supply and its distribution; adulteration of food, markets, preparation of food, cooking and serving, school kitchens and arrangements for school canteens, methods of warming children's meals, etc. Dinner-pails, or receptacles for carrying meals for school children, workmen and others. Restaurants, dining halls, refectories, etc.

- Class 828. Hotels, lodging-houses.
- Class 829. Public baths, lavatories; public and domestic hygiene. Sanitation—sanitary appliances and methods for dwelling-houses, buildings and cities. Direct renewal of air. Heating, ventilating, lighting, in their relation to health. Conduits of water and sewage. Drains and sewers. Sinks, night-soil apparatus, sanitary plumbing, walls, bricks, roofs, flooring, etc. Sanitary house decoration—non-poisonous paints and wall-papers, floor coverings, washables, decorations, etc.
 Apparatus for carrying off, receiving and treating sewage. Slaughter-house refuse, city garbage.
 Apparatus and methods for filtering water and cleansing water-courses.
 Apparatus intended for the prevention of infectious diseases. Methods, materials and instruments for purifying and destroying germs; disinfectors.
 Apparatus and fittings for warming, ventilating and lighting schools; school latrines, closets, etc.
 Special school fittings for storing and drying clothing.
 Precaution in schools for preventing the spread of infectious diseases; school sanitarium, infirmaries, etc.
- Class 831. Asylums and homes— asylums for infants and children; foundling and orphan asylums; children's aid societies. Homes for aged men and women; for the maimed and deformed; for soldiers and sailors.
 Treatment of paupers; alms-houses.
 Treatment of aborigines; Indian reservations and homes.
- Class 832. Hospitals, dispensaries, etc.; plans, models, statistics. Shed hospitals for infectious fevers and epidemic diseases; tent hospitals; hospital ships; furniture and fittings for sick rooms.

GROUP 148.

INSTRUMENTS AND APPARATUS OF MEDICINE SURGERY AND PROSTHESIS.

- Class 837. Surgical instruments, appliances and apparatus, with dressings, anæsthetics, antiseptics; obstetrical instruments, etc.

GROUP 149.

PRIMARY, SECONDARY AND SUPERIOR EDUCATION.

- Class 841. Elementary instruction—infant schools and kindergartens. Descriptions of the methods of instruction, with statistics.
- Class 843. Domestic and industrial training for girls—models and apparatus for the teaching of cookery, housework, washing and ironing, needle-work and embroidery, dress-making, artificial flower-making, painting on silk, crockery, etc. Specimens of school work.
- Class 849. Education of defective classes—schools for the deaf, dumb, blind and feeble-minded; adult schools for the illiterate.
- Class 850. Public schools—descriptions, illustrations, statistics, methods of instruction, etc.
- Class 851. Higher education—academies and high schools. Descriptions and statistics. Colleges and universities. Descriptions, illustrations of the buildings, libraries, museums, collections, courses of study, catalogues, statistics, etc.
- Class 852. Professional schools— theology, law, medicine and surgery, dentistry, pharmacy; mining, engineering, agriculture, mechanic arts; art and design; military, naval, normal, commercial; music.
- Class 853. Government aid to education, National Bureau of Education. Reports and statistics.

GROUP 150.

LITERATURE, BOOKS, LIBRARIES, JOURNALISM.

- Class 854. Books and literature, with special examples of typography, paper and binding. General works—philosophy, religion, sociology, philology, natural sciences, useful arts, fine arts, literature, history and geography; cyclopædias, magazines and newspapers; bindings, specimens of typography.

GROUP 151.

INSTRUMENTS OF PRECISION, EXPERIMENT, RESEARCH AND PHOTOGRAPHY,
PHOTOGRAPHS.

- Class 871. Photographic apparatus and accessories. Photographs.
- Class 875. Electric and magnetic apparatus. (See also Department J.)

GROUP 152.

CIVIL ENGINEERING, PUBLIC WORKS, CONSTRUCTIVE ARCHITECTURE.

- Class 882. Irrigation—irrigating canals and systems.
- Class 889. Constructive architecture—plans of public buildings for special purposes; large and small dwelling houses.

GROUP 153.**GOVERNMENT AND LAW.**

- Class 890. Various systems of government illustrated—government departments, legislative, executive and judicial.

GROUP 155.**INSTITUTIONS AND ORGANIZATIONS FOR THE INCREASE AND DIFFUSION OF KNOWLEDGE.**

- Class 907. Institutions founded for the increase and diffusion of knowledge, such as the Smithsonian Institution, the Royal Institution, the Institute of France, British Association for the Advancement of Science, and the American Association, etc.; their organization, history and results.
- Class 908. Academies of science and letters—learned and scientific associations, geological and mineralogical societies, etc.; engineering, technical and professional associations; artistic, biological, zoological, medical, astronomical societies and organizations.

GROUP 156.**SOCIAL, INDUSTRIAL AND COOPERATIVE ASSOCIATIONS.**

- Class 917. Secret societies.
- Class 918. Miscellaneous organizations for promoting the material and moral well-being of the industrial classes.

GROUP 157.**RELIGIOUS ORGANIZATIONS AND SYSTEMS—STATISTICS AND PUBLICATIONS.**

- Class 919. Religious organizations and systems.—Origin, nature, growth, and extent of various religious systems and faiths. Statistical, historical and other illustrations; pictures of buildings; plans and views of interiors.
- Class 921. Missionary societies, missions and missionary work; maps, reports, statistics.

GROUP 158.**MUSIC AND MUSICAL INSTRUMENTS—THE THEATRE.**

- Class 926. History and theory of music—music of primitive people. Crude and curious instruments. Combinations of instruments, bands and orchestras. Music books and scores. Musical notation.
- Class 930. History and literature of music. Portraits of great musicians.
- Stringed instruments with key-board.—The piano-forte, square, upright and grand.
- Actions and parts of a piano.
- The predecessors of the piano.—Clavicytherium, clavicymbal, clavichord, manichord, virginal, spinet, harpsichord, and hammer harpsichord.
- Instruments and methods of manufacture.
- Street pianos.

DEPARTMENT M.**ETHNOLOGY, ARCHÆOLOGY, PROGRESS OF LABOR AND INVENTION.****GRUUP 172.****WOMAN'S WORK.****GROUP 174.****THE NORTH AMERICAN INDIAN.**

- Class 959. Villages or families of various tribes engaged in their native occupations.
- Class 960. Specimens of their special work and industries. Collections of Indian "trinkets" or curiosities.

GROUP 175.

- PORTRAITS, BUSTS AND STATUES OF GREAT INVENTORS, AND OTHERS WHO HAVE CONTRIBUTED LARGELY TO THE PROGRESS OF CIVILIZATION AND THE WELL-BEING OF MAN.**

GROUP 176.**ISOLATED AND COLLECTIVE EXHIBITS.**

- Class 968. The Latin-American Bureau.

DEPARTMENT N.

FORESTRY, FOREST PRODUCTS.

- Class 99. Logs and sections of trees; samples of wood and timber of all kinds generally used in construction or manufactures, either in the rough or hewed, sawed or split, including square timber, joists, scantling, plank and boards of all sizes and kinds commonly sold for building purposes. Also ship timber, as used in ship-building, or for masts and spars; piles, timber for fencing, for posts, for paving or for timbering mines. Miscellaneous collections of wood.
- Class 100. Worked timber or lumber, in form of clapboards, shingles, sheathing or flooring, casings, moldings, stair rails or parts of furniture.
- Class 111. Basket industry—willow ware, etc.
- Class 113. Forest botany—distribution of forests, of genera, of species (maps).
Wood sections and herbarian specimens of the economically important timber trees.
Seed collections, not herbarium, etc.
Illustrations of forest growth, typical trees, botanical features.
Anatomy and structure of woods. (Veneer sections and photo-micrographs.)
Peculiarities of forest growth—cypress-knees, burls.
Diseases of forest trees and timber. Injurious insects.

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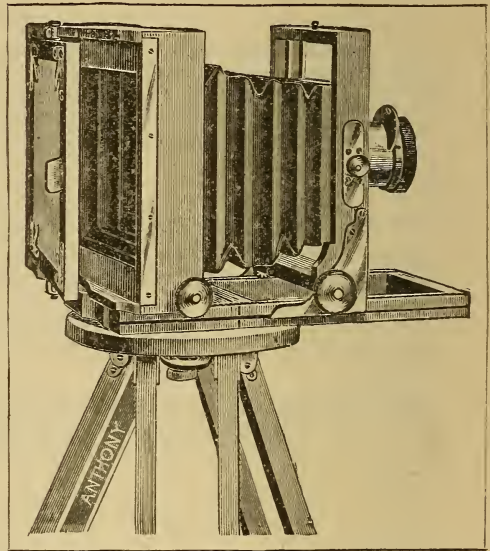
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WOMAN'S BUILDING.

UNITED STATES.

DEPT. A.—AGRICULTURE.

GROUP 2.

Bread, Biscuits Pastes, Starch, Gluten, etc.

1. Saunders, Mrs. Carrie W., Saginaw, Mich. Baking powder. 12
2. Thompson, Mrs. D. S., Chicago. Baking powder. 12

GROUP 7.

The Dairy and Dairy Products.

3. Romney, Mrs. C. W., Chicagó. Milk cooler and refrigerator. 44

GROUP 8.

Tea, Coffee, Spices, Hops and Aromatic and Vegetable Substances.

4. Massiah, Fannie, Cairo, Ill. Chocolate and cocoa. 45

GROUP 9.

Animal and Vegetable Fibres.

5. Hammond, Julia B., Beech Island, S. C. Bale of cotton. 53
6. McKee, Anita H., Jackson, Miss. Cotton raised by women. 53
7. Stone, Mrs. John M., Jackson, Miss. Cotton. 53

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8. Hatch, Miss L. H., Fresno, Cal. Raisins. 139
9. Moore, Mrs. Lawrence, Mobile, Ala. Fig preserves. 140
10. Rowland, Mrs. Sallie E., St. Louis. *a* Preserves. 140
b Jams and apple butter. 141
11. Sutherland, Mrs. Wm., White Sulphur Springs. *a* Preserves. 140
b Jellies, etc. 141
12. Thompson, Mrs. C. V., Chicago. Home made fruit wines. 143

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13. Coleman, Laura P., Denver, Col. Botanical specimens. 167

14. Columbian Exhibition Ass'n for Lewis and Clark counties, Mont. Pressed flowers. 167
15. Crowley, Mrs. A. M., Evanston, Ill. Prepared botanical specimens. 167
16. Haynes, Kate E., Coldwater, Mich. Jardinere. 169
17. Howey, Laura E., Helena, Mont. Montana Flora. 164
18. March, Mrs. Jeannette B., Baltimore, Md. Portable window garden. 169
19. Moore, Jennie H., Butte, Mont. Floral pillar. 167
20. Oregon Women, Portland, Ore. Oregon ferns and mosses. 160
21. Stillwell, May I., Deadwood, S. Dak. Pressed flowers. 167
22. Strong, Harriet W. R., Whittier, Cal. Pampas plumes. 165
23. Ware, Emma J., Philipsburg, Mont. *a* Montana wild flowers, mounted. 164
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28. Tinsley, Mrs. L. F., Minneapolis, Minn. Group of prairie chickens. 230
29. Williams, Mrs. Violet S., Coralville, Iowa. Case of mounted birds. 230

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30. Lewis and Clarke Counties Columbian Ass'n, Helena, Mont. Taxidermy. 236
31. Williams, Mrs. Violet S., Coralville, Iowa. Case of mounted animals 236

WOMAN'S BUILDING.

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 33. Jones, Mrs. Ellen H., Estrella, Cal. Sea mosses. 240

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34. Fisherwomen of New Jersey. Collection of fish nets. 257

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35. Davidson, Mrs. A. D., Oberlin, Ohio. Fossils, minerals and geological specimens. 291
 36. Women of the Black Hills, Deadwood, S. Dak. Collection of minerals. 290

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37. Ladies of La Plata County, Denver, Col. Bust and pedestal of pink sandstone from La Plata County, Col. 296

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38. Myers, Mrs. Laura H., Chicago. Silver fish. 297

GROUP 47.

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39. Brown, Mrs. Emma O., Syracuse, N. Y. Cement. 309

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History and Literature of Mining and Metallurgy.

40. Fish, Rachel J., Denver, Col. Mining claims surveys made by women. 412

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Machinery for the Manufacture of Textile Fabrics and Clothing.

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 42. Shepard, Mrs. Jennie A., Portland, Ore. Yarn reel. 436

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43. Colvin, Margaret P., Battle Creek, Mich. Washing machine. 484
 44. Day, Mary J., Newburg, N. Y. Waist and sleeve pressing board. 484

45. Goodwin, Ella, Chicago. Washing machine. 484

46. Ring, Miss F. L., Westfield, Mass. Steam pressing and ironing board 484

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Machines for Working Stone, Clay and Other Materials.

47. Fitch, Mrs. Nancy M., Springfield, Ohio. Kilns for firing decorated china. 492

48. Hall, Fanny E., New York. Gas kiln for firing china and glass. 492

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49. Armstrong, Geneva, Chicago. Model of a stock car. 500

50. Kelley, Miss Caroline B., Wilmington, Del. Section of decorated ceiling for railway car. 500

51. Romney, Mrs. C. W., Chicago. Foot stone for compartment cars. 500

GROUP 81.

Street Car and Other Short Line Systems.

52. Bailey, Anna E., Chicago. Warming device for protecting street car drivers. 506

GROUP 83.

Vehicles and Methods of Transportation on Common Roads.

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GROUP 84.

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54. Tracy, Mrs. Harriet R., New York. Elevator. [In service.] 527

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Vessels, Boats—Marine, Lake and River Transportation.

55. Blue Anchor Society, New York. Relief work done by women for wrecked sailors. 534

56. Coston, Martha J., New Brighton, N. Y. Night signals. 534

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Chemical and Pharmaceutical Products—Druggists' Supplies.

57. Coit, Frances H., Chicago. Fruit laxative. 547

58. Simmons, Mrs. Adelaide L., Kenosha, Wis. Toilet articles. 549

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Typewriters, Paper, Blank Books, Stationery.

59. National Ass'n of Women Stenographers, Chicago. Typewriters. 564

UNITED STATES.

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60. Barr, Mary L., Indianapolis, Ind. Folding bed. 567
61. Carter, Miss, Louisville, Ky. Decorative treatment of Kentucky room in Woman's Building. 572
62. Frindlander, Sophia B., Chicago. Boudoir of furniture in pyrographic painting. 567
63. Galvan, Mrs. Sarah, M., New York. Painted screen. 572
64. Howell Mrs. Elizabeth E., Marysville, Mo. Self-waiting table. 566
65. Ladies' Committee of Mobile, Ala. Artistic furnishing of platform in assembly room. 572
66. Ladies of Santa Fe County, Santa Fe, N. M. Table inlaid with gold and silver engraved plates, jewels, ores, etc. 566
67. McCandless, Mary E., Pittsburg, Pa. Screen. 572
68. May, Mrs. A. A., Boston. Combination cabinets. 567
69. Moore, Mrs. Lou G., Saginaw, Mich. Rustic cabinet. 567
70. Neal, Miss S. C., New York. Model of baby's crib. 567
71. Pitman, Agnes, Cincinnati. Decorative treatment of managers' parlor in Woman's Building. 572
72. Seidenburg, Anna, Cincinnati. Rustic parlor furniture. 567
73. Sheldon, Miss, Hartford, Conn. Decorative treatment of Connecticut room in Woman's Building. 572
74. Simmons, Mrs. Adelaide L., Kenosha, Wis. Folding beds. 567
75. Turkish Compassionate Fund, New York. Curtains, portieres, etc. 568
76. Waite, Mrs., San Francisco. Decorative treatment of California room in Woman's Building. 572
77. West, Mrs. M., Chicago. Satin portiere. 568
78. Wheeler, Candace, New York. Decorative treatment of library in Woman's Building. 572

GROUP 91.

Ceramics and Mosaics.

79. Barnes, Clara M., New Haven, Conn. Punch bowl. 576
80. Beaman, Miss, Wilmington, Del. China plate. 576
81. Brock, Mrs., Lincoln, Neb. Decorated vase. 577
82. Butterfield, Mellona, Omaha, Neb. Painted china. 577
83. Butts, Kate C., Grand Rapids, Mich. Decorated chocolate set. 577
84. Bye, Rosalie P., Wilmington, Del. Plates and toilet set. 576
85. Christian Woman's Exchange, New Orleans. Decorated china. 577
86. Cincinnati Pottery Club, Cincinnati. Overglaze decoration on porcelain. 577
87. Clarke, Eva L., South Bend, Ind. Hand painted china. 577
88. Cole, Lillie E., Chicago. Decorated porcelain ware. 577
89. Columbian Ceramic Society, Chicago. Ceramic work. 576
90. Crockett, Mrs. I. B., Chicago. Decorated china. 577
91. Dibble, Mabel C., Chicago. Decorated china. 577
92. Dodge, Anna S., Milwaukee, Wis. Decorated china. 577
93. Dutcher, Mrs. Anna M. H., St. Louis. Painted porcelain vase. 577
94. English, H. St. B., Los Angeles, Cal. Decorated china jardiniere. 577
95. Farnum, Mrs. H. C., Grosse Isle, Mich. Ceramic portrait of T. W. Palmer, President World's Columbian Commission. 577
96. Flint, Henrietta O., Highland Park, Ill. Decorated tile. 578
97. Frisbie, Mrs. M. A., Hartford, Conn. Jardiniere, plates, etc. 576
98. Hall, Fanny E., New York. Decorated china ware. 577
99. Healey, Mary and Emily, Washington, D. C. Gold covered porcelain. 577
100. Ireland, Mrs. Emma, Warsaw, Ind. Decorated tea set. 577
101. Julian, Nellie I., Indianapolis, Ind. Decorated china. 577
102. Junor, Miss Kate, Boston. Porcelain panels, plaques, trays, etc. 576
103. Kline, Esther, Wikes-Barre, Pa. Decorated jardiniere and plaque. 577
104. Lannoy, Mr. F. de, Chester, Pa. China plates. 576
105. Lewis and Clark Columbian Exhibition Association. Helena, Mont. China painting. 577
106. Lord, Nellie M., Chicago. Decorated china. 577
107. Marple, Miss Mary, Bridgeport, Pa. Decorated china plaque. 577
108. Miller, C. J., Peoria, Ill. China tray. 576
109. Morey, Mrs. Chas. F., Hastings, Neb. Jardiniere and vase. 576
110. O'Shaunessey, Miss Lucy, Cincinnati. Sevres and wedgewood cups and saucers. 576
111. Peck, Grace H., Chicago. Decorated porcelain chocolate set. 577
112. Phillips, Mary A., Helena, Mont. Decorated china. 577
113. Pickett, Mrs. Laura M., St. Louis. Porcelain painting. 577
114. Sears, Miss, Trenton, N. J. Intaglio vase. 577
115. Sherratt, Mrs. J., Washington, D. C. Decorated china. 577
116. Smith, Mary M., Washington, Conn. Decorated ice cream platter. 577
117. Thompson, Augustine, St. Louis. Painted china fancy articles. 577
118. Thompson, Zerlina C., St. Louis. Painted porcelain fancy articles; jardiniere. 577
119. Van Nechten, Miss Fannie, Cedar Rapids, Iowa. Decorated china fish set. 577
120. Walker, Miss Mary E., Flushing, N. Y. a China fruit service. 576
b Porcelain tiles. 578

WOMAN'S BUILDING.

121. White, Mrs. M. E., Butte, Mont. Decorated china. 577
 122. Whitney, Mamie P., Pottsville, Pa. Chocolate pot, cups and saucers. 576
 123. Wickes, Mrs. Ellen P., Englewood, N. J. China plaque. 576
 124. Winterbotham, Ruth M., Eau Claire, Wis. Modeled tile. 578

GROUP 92.

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

125. Ladies of Selma, Ala. Carved stone chair. 582
 126. McClung, Mrs. J., Knoxville, Tenn. Marble wainscoting for western vestibule of Woman's Building. 583
 127. Whitney, Miss Anne, Boston. Marble fountain. 582
 128. Women of Westerly, R. I. Granite vase. 583

GROUP 93.

Art Metal Work—Enamels, Etc.

129. Hardy, Mrs. A., Beatrice, Neb. Etched brass tablet. 585
 130. Ladies' Flag Committee, Detroit, Mich. Copper statue of girl. 585
 131. White, Mrs. M. E., Butte, Mont. Burnished copper shield. 585
 132. Woman's Relief Corps, Sabetha, Kan. Patriotic badges. 585
 133. Women of Michigan. Copper statue of girl. 585

GROUP 94.

Glass and Glassware.

134. Hall, Fanny E., New York. Decorated glassware. 593

GROUP 96.

Carvings in Various Materials.

135. Carper, Minnette S., St. Louis. Piano bench decorated in pyrography. 598
 136. Chicago Athenæum Wood Carving School, Chicago. Carved cabinet, chairs, chest, screen, etc. 598
 137. Clarke, Annie M., St. Louis. Carved oak writing desk. 598
 138. Crowley, Mrs. Belle C., Council Grove, Kas. Carved box. 598
 139. Daniel, Miss Martha, Jackson, Miss. Carved walnut easel and portfolio. 598
 140. David, Miss Martha, Jackson, Miss. Carved wood candelabra. 598
 141. Field, Mrs. Belle D., Jackson, Miss. Hunter's cabinet. 598
 142. Gardner, M. Louise, Chicago. Demi-relief on polished wood. 598
 143. Hasenwinkle, Miss Madelaine, St. Paul, Minn. Carved white maple table. 598
 144. Henermann, Magda W., Chicago. Pyrographic work. 598
 145. King, Mrs. P. R., Chicago. Carved jewel case. 598
 146. Korvin-Pogosky, A., New York. Burnt wood engraving, panels and furniture. 598

147. Kuntze, Miss F. B., Trenton, N. J. Etched silver tray. 601
 148. Langworthy, Mrs. E. C., Seward, Neb. Carved oak cabinet. 598
 149. Lipscomb, Miss Lucie, Denver, Col. Carved chair and table. 598
 150. Love, Jeannette C., Muncie, Ind. Carved cabinet. 598
 151. Mauran, Julia L., Providence, R. I. Carved oak chest. 598
 152. Nordstrom, Mrs. Albertine, Wausau, Wis. Carved hat-rack, frame, etc. 598
 153. Palen, Miss Jeannette, South Orange, N. J. Carved oak cabinet. 598
 154. Schmidt, Mrs. H. D., York, Pa. Statue of a dragon, carved at York, Pa., which surmounted the State House during the sessions of the Continental Congress in that town in 1777-8. 598
 155. Scudder, Janet, Chicago. Carved mantel. 598
 156. Titus, Amanda C., Chicago. Combined cabinet and book-case, carved. 598
 157. Van Vechten, Emma, Cedar Rapids, Iowa. Carved oak chest. 598
 158. Wetmoreland County Auxiliary Committee, Greensburg, Pa. Carved cabinet. 598
 159. Woolnough, A. E. I., Meekum's River, Va. Burnt wood work. 598
 160. Workman, Miss Annie, Washington, Pa. Carved frame with photographs. 598

GROUP 97.

Gold and Silverware, Plate, Etc.

161. Albright, Mrs. Frances L., Albuquerque, N. M. Filigree tree with onyx base. 607
 162. Logan, Mrs. S. I., Louisville, Ky. Souvenir spoons. 607
 163. Palmer, Miss E. W., Stonington, Ky. Souvenir spoons. 607

GROUP 98.

Jewelry and Ornaments.

164. Brown Amber M'fg Co., Chicago. Amber ornaments. 614
 165. Posey, Sara E., Whitewater, Wis. Wisconsin pearls. 613

GROUP 100.

Silk and Silk Fabrics.

166. Associated Artists, New York.
a Silk brocades. 629
b Sea island plushes; shadow silks. 630
 167. Barron-Buck, Kate D., Salt Lake City, Utah. Silk map of United States. 630
 168. Greiner, H. C., Somerset, Ohio. Silk flag made by the mother of General Sheridan at the age of 80 years. 632

GROUP 101.

Fabrics of Jute, Ramie and Other Vegetable and Mineral Fibres.

169. Associated Artists, New York. Weavings in gold and silk, and silver and silk. 637

UNITED STATES.

GROUP 102.

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

170. Reed, Edith, Eau Claire, Wis. Net for kitchen decoration. 630

GROUP 103.

Woven and Felted Goods of Wool and Mixtures of Wool.

171. Betts, Ella H., New York. Absorb- ing dress shield. 647
 172. Guidotti, Mrs. Claudia, Chicago. Infant stomach protector and diaper- holder. 647
 173. Kennedy, Lizzie, Chicago. Rug. 649
 174. Schack, Mrs. Sarah J., Chicago. Abdominal and hose supporter. 647

GROUP 104.

Clothing and Costumes.

175. Holmes, Mrs. Emma, Minneapolis, Minn. Opera cloak. 653
 176. Kellogg, Mrs. Martha E., Battle Creek, Mich. Life-size wax figures repre- senting styles of dress since A. D., 1400. 653
 177. Kerr, Mrs. Thomas, Bridgeport, Conn. Infant's knitted cap. 657
 178. Knitting Mills of New York State, Women of the. Collective exhibit of underwear. 657
 179. McIlwaine, Miss K. C., Mountain Lake Pass, Md. Infant's long dress. 653
 180. Tracy, Mrs. Harriet R., New York. Sewing machines. 659
 181. Turner, Mrs. L. E., North Fairfield, Ohio. Knit goods. 657

GROUP 105.

Furs and Fur Clothing.

182. Avery, Mary E., Alton, N. H. Feather cloak and cape. 662
 183. Davidson, Sophie J., Bismark, N. Dak.
 a Buffalo calf skins tanned by Indian women. 660
 b Buffalo robe tanned by Indian women 661
 184. Fuller, Mrs. Viola, Mitchell, S. Dak. Feather opera cloak. 662

GROUP 106.

Laces, Embroideries, Trimmings, Arti- ficial Flowers, Fans, Etc.

185. Adams, Mrs. A. P. P., Shelbyville, Ind. Table mat. 669
 186. Addington, Mrs., Mineral Point, Wis. Honiton lace and cushion. 664
 187. Albright, Mrs. Frances L., Albu- querque, N. M. Embroidery and drawn work. 665
 188. Alexander, Mrs. J. F., La Fayette, Ind. Table cloth. 669
 189. Allmond, Miss Phebe, Wilmington, Del. Centre piece. 665
 190. Associated Artists, New York.
 a Embroidery.
 Color study in textiles. Subject, Fighting Dragoons.

- Clematis portiere.
 Azalia portiere.
 Rose hanging.
 Chrysanthemums on gold cloth.
 Pomegranate embroidery.
 Needle woven and embroidered wall hanging. 669
b Needlewoven tapestry.
 Reproduction of Raphael's Mir- aculous draught of fishes.
 Decorative panel. Peacocks.
 Figure. Algerian boot-black.
 Figure. Penelope. 670
 191. Austin, Mrs. Wm., Ocean Springs, Miss. Feather and fish scale flowers. 666
 192. Bach, Mrs. Isaac, New York. Em- broidered table cover. 669
 193. Ball, Mrs. Spencer, F., Terre Haute, Ind. Table centre. 669
 194. Barnard, Miss Edith, Wilmington, Del. Drawn work. 665
 195. Barnes, Mrs. Geo., Howell, Mich.
 a Point lace handkerchief 654
 b Drawn work scarf. 665
 196. Barnett, Mrs. A.. Tom's River, N. J. Guipure lace, bed spread and pillow shams. 664
 197. Beach, Mrs. Isaac, New York. Cover inlaid with cloth stitches. 665
 198. Beach, Mrs. M. G., Battle Creek, Mich. Drawn linen work. 665
 199. Biemesderfer, S. Ursula, Kissel Hill, Pa. Hand made lace. 664
 200. Birdsall, Mrs. A. E., Brooklyn, N. Y. Bed-clothes and costume fastener. 668
 201. Blackstock, Mrs. Wm. M., Shade- land, Ind. Tea cloth. 669
 202. Bodtker, Sara B., Chicago. Seal of the Board of Lady Managers. 669
 203. Boots, Miss Alice, Wilmington, Del. Tea cloth. 665
 204. Bradley, Mrs. Agnes M. Omaha, Neb. Doilies. 665
 205. Brant, Miss J. A., Dubuque, Ia. Russian, Spanish, honiton and point ap- plique laces. 664
 206. Braselman, Mrs. Elizabeth, Wash- ington, D. C. Bed spread, centre pieces, etc. 669
 207. Brignardello, Miss Hortense, San Francisco, Cal. Drawn work. 665
 208. Bruce, Mary E., Lafayette, Ind. Table cloth. 669
 209. Buehler, Miss Martha, Harrisburg, Pa. Centre piece for table. 669
 210. Buller, Mrs. D. W., Indianapolis, Ind. Table centre. 669
 211. Burgess, Mrs. Della A., St. Louis, Mo. Hand-made thread lace. 664
 212. Bush, Mrs. L. P., Wilmington, Del. Doilies. 665
 213. Bush, Mrs. Walter, Wilmington, Del. Table covers, napkins, mats, etc. 665
 214. Butler, Mrs. E., Mahaffey, Pa. Tap- istry picture. 670
 215. Butler, Isabel H., Bridgeport, Conn. Reproductions on the sewing machine of hand art needlework. 665
 216. Caldwell, Miss Hattie D., Chicago. Lace made from fayal fibres. 664

WOMAN'S BUILDING.

217. Carnahan, Louise, Fort Wayne, Ind. Table cloth. 669
218. Chapman, Mrs. Mary. Center piece and doilies. 669
219. Chislett, M. Lucile, Chicago. Spanish drawn work. 665
220. Christopherson, Miss Marie, Chippewa Falls, Wis. Kensington embroidery. 669
221. Clinchy, Mrs. A., Kansas City, Mo. Counterpane, shams, etc. 665
222. Cluff, Gertie de F., Lodi, Cal. Garment fastener and hose supporter. 668
223. Coffin, Minnie A., Indianapolis, Ind. Table cover, doilies, etc. 669
224. Committee on Woman's Work for Pennsylvania, Philadelphia. Art needle-work. 669
225. Cooper, Mrs. M. D., Bozeman, Mont. Embroidery, drawn work and darning. 665
226. Cowdery, Mrs. Rosa E., Chicago. Drawn work. 665
227. Criss, Mrs. S. E., Chicago. Mexican drawn work. 665
228. Cusey, Miss Hannah, Wilmington, Del. Dress front. 665
229. Dallett, Mrs. E. J., Wilmington, Del. Center piece. 665
230. Davis, Mrs. F. L., North Pomfret, Vt. Drawn work. 665
231. Decorative Art Society, Baltimore, Md.
a Embroidered lunch cloth, napkins, doilies, etc. 665
b Embroidered portiere, table covers and screen. 669
232. Deman, Mrs. V. C., New Orleans, La. Infants' caps. 665
233. Dure, Miss Helen, Wilmington, Del. Center pieces, doilies, apron, etc. 665
234. Durrad, Mary, Chicago. Dress lift. 668
235. Earl, Elizabeth C., Connersville, Ind. Table cloth. 669
236. Eaton, Mary M., Augusta, Me. Embroidery, tatting, etc. 665
237. Ellsworth, Connie F., LaFayette, Ind. Tea cloth. 669
238. Fenner, Mary, South Orange, N. J. Embroidery. 669
239. Fernald, Mrs. W. L., Logansport, Ind. Table cloth. 669
240. Fette, Margaret M., Los Angeles, Cal. Tapestry applique. 670
241. Field, Marshall, & Co., Chicago. Embroidered table linen. 665
242. Flinn, Miss Annie, Wilmington, Del. Center piece. 665
243. Fritschel, Mrs. Julia F. J., Strawberry Point, Iowa. Samples of needle-work, hand-sewing and mending. 665
244. Fuller, Mrs. Rachel E., Kansas City, Mo. Table cover. 665
245. Gardiner, Miss Sarah C., Cold Springs, N. Y. Lace. 664
246. Gargotta, Mary, Kansas City, Mo. Knit shawl and stitched chemise. 665
247. Gavan, Mrs. Frank, LaFayette, Ind. Table cloth. 669
248. Girardeau, Miss M. H., Sumter, S. C. Embroidery made in 1786. 665
249. Gray, Mrs. Mania, St. Louis. Table cover. 669
250. Greenstreet, Flora V., Indianapolis, Ind. Table runner. 669
251. Gregory, Mrs. D. E., Indianapolis, Ind. Table center and doilies. 669
252. Griffis, Katherine R., Indianapolis, Ind. Table overlay. 669
253. Gruber, Mrs. Gustave, Lexington, Mo. Pictures in tapestry embroidery. 669
254. Guion, Mrs. Frank, Leavenworth, Kan. Drawn work lunch cloth. 665
255. Hall, Eva J., Stillwater, Minn. Self-threading sewing machine needle. 668
256. Hall, Mrs. Q., Boise City, Idaho. Needle-work. 665
257. Harker, Miss Annie P., Mineral Point, Wis.
a Lace work. 664
b Embroidery and drawn-work. 665
258. Harley, Mrs. V. E., Kansas City, Mo. Garment and hose supporter. 668
259. Houghton, L. C. O., Baltimore, Embroidered sofa cushion. 669
260. Heath, Misses, New York. Paper flowers. 666
261. Hebron Columbian Needle Club, Hebron, Neb. Lunch cloth. 669
262. Henley, Mrs. Martha, Carthage, Ind. Table mat. 669
263. Heron, Mary R., Indianapolis, Ind. Table mat. (6)
264. Herron, Kitty, Indianapolis, Ind. Table decoration. 669
265. Herron, Lydia W., Indianapolis, Ind. Table center and doilies. 669
266. Herron, May, Indianapolis, Ind. Table decoration. 669
267. Hershfield, Mrs. Mary H., Helena, Mont. Hand sewed children's underwear. 665
268. Higginson, Edith G., Chicago. Altar front. 669
269. Hollingsworth, Miss Effie A., Kansas City, Mo. Sideboard scarf in drawn work. 665
270. Hollis, J. H., Brooklyn, N. Y. Knitted work. 665
271. Hounsfeld, Mrs., Wilmington, Del. Needle-work done in 1800. 665
272. Hund, Mrs. Lena, Chippewa Falls, Wis. Crotchet work curtain. 665
273. Hyder, Mrs. Mary, York, Neb. Lunch cloth. 665
274. Ingram, Mrs. T. C., Kansas City, Mo. Lace bed spread. 664
275. Jefferies, Llura, Wilmington, Del. Center piece and doilies. 665
276. Johnson, Etta J., Rushville, Ind. Table center. 669
277. Johnson, Lillian B., Indianapolis, Ind. Table center. 669
278. Johnson, Miss Lulu, Wilmington, Del. Table scarf. 669
279. Kane, Mrs. H. W., Jeffersonville, Ind. Embroidered chamois. 669
280. Kane, Mrs. W. P. La Fayette, Ind. Table mat. 669
281. Kenyon, Mrs. Mary J., Downer's Grove, Ill. Lace handkerchief and linen drawn work neck scarf made by lady eighty-two years old. 664
282. King, Harriet E., Brazil, Ind. Plain needle work. 665

UNITED STATES.

283. Kittinger, Fannie R., Wilmington, Del. Embroidered spread, table covers, etc. 665
284. Kofod, Mrs. Augusta, Chicago. Gold and steel embroidery done in Denmark in 1794. 669
285. Landon, Miss Milla, Brighton, N. Y. Silk butterflies, mounted; embroidered doilies, boxes, etc. 665
286. Lehman, Misses, Lebanon, Pa. Embroidered linen bed cover. 665
287. Leontin, Jaenne, Chicago. Garment fastener. 668
288. Levering, Amelia, F., La Fayette, Ind. Table cloth. 669
289. Lewis and Clarke Columbian Exposition Ass'n, Helena, Mont. Needle-work. 665
290. Lockwood, Bertha Greene, Indianapolis, Ind. Table cloth. 669
291. Long, Mrs. W. J., Topeka, Kan. Point lace articles. 664
292. Lyons, Anna E., Syracuse, N. Y. Lace cape. 664
293. Major, S. Frances, Shelbyville, Ind. Table cloth. 669
294. Malone, Mrs. Richard A., Lancaster, Pa. Needle-work. 665
295. Manchester, Nellie, La Crosse, Wis. Sofa pillow, scarf and doilies. 665
296. Mantel, Mrs. Anna, Chicago. Embroidery. 665
297. Masters, Mrs. M. A., Chicago. Center piece made by a lady seventy-six years old. 665
298. McCoy, Mary J., Rensselaer, Ind. Table cover. 669
299. McCullough, Miss, Washington, D. C. Needlework. 665
300. McCullough, Miss Caroline L., Bladensburg, Md. Holbein embroidery. 669
301. McLean County Columbian Club, Bloomington, Ill. Fine sewing. 665
302. Mendenhall, Mrs. Henry, Wilmington, Del. Tea cloth, doilies and center piece. 665
303. Mendenhall, Mrs. John, Wilmington, Del. Embroidery. 665
304. Miller, Miss Annie R., Philadelphia. Drawn work. 665
305. Minturn, Mrs. Alice S., St. Louis. Point lace. 664
306. Mitchell, Mrs. J. B., La Fayette, Ind. Table cloth. 669
307. More, Miss Grace, West Orange, N. J. Table square in drawn work. 665
308. Morris, Mrs. Dora I., Chicago. Point lace shams. 664
309. Morse, Mrs. Annie E., Fort Wayne, Ind. Table cloth. 669
310. Mott, H. C., East Hartford, Conn. Wax, feather, tissue paper, shell and fish scale flowers. 666
311. Oberg, Miss Kristina, Portland, Ore. Embroidery. 665
312. Ogden, Clara E. M., Orange, N. J. Embroidery. 665
313. Ogden, Mrs. R. E., Iowa City, Iowa. Lace. 664
314. Olberg, Mrs. O. N., Albert Lea, Minn. Ladies dress lifter and sleeve holder. 668
315. Olds, Mrs. Henry G., Fort Wayne, Ind. Table runner and doilies. 669
316. O'Niell, Mrs. W. O., Prescott, Ariz. Quilt made of army badges. 665
317. O'Shaunessay, Miss Lucy, Cincinnati.
a Handkerchief and veil. 664
b Embroidered handkerchief. 665
318. Owen, Minerva, Middletown, N. J. Counterpane. 665
319. Parker, M. E., & Co., Camden, Me. Scale work flowers. 666
320. Parker, Susie, Rensselaer, Ind. Table mats. 669
321. Pell-Clarke, Henrietta, Springfield Centre, N. Y. Ecclesiastical embroidery. 669
322. Philadelphia School of Art Needlework, Philadelphia. Hand embroidery. 669
323. Pierce, Mrs. Harriet, Grand Rapids, Mich. Handkerchief. 665
324. Pilkington, Mrs. W. A., Bridgeport, Conn. Sleeve holder and hat pin. 668
325. Porter, Mrs. Willard H., Wilmington, Del. Embroidery made in 1799. 665
326. Powers, Helen, St. Louis, Mo. Spool holder. 668
327. Putnam, Lydia H., Logansport, Ind. Table mat. 669
328. Quein, Floretta, Chicago. Veil clasp. 668
329. Radford, Mrs. J., Chicago. Embroidered handkerchief. 665
330. Richardson, Miss Agnes, Wilmington, Del. Curtains and center piece. 665
331. Rickords, Mrs. C., Kansas City, Mo. Needlework. 665
332. Roberts, Mary C., Connersville, Ind. Table cloth. 669
333. Robinson, Mrs. H. C., Wilmington, Del. Doilies. 665
334. Robinson, Mrs. J. A., Ravenswood, Ill. Knitted bed spread. 665
335. Rose, Mary C., Chicago. Dinner cloth. 665
336. Ryerson, S. J., San Francisco, Cal. Lace and drawn thread work from United States and Mexico. 664
337. Sample, Mrs. Robert W., La Fayette, Ind. Table cloth. 669
338. Schalck, Emma R., Pottsville, Pa. Embroidery. 669
339. Schmidt, Mrs. H. D., York, Pa. Mexican drawn work; shawl made by lady one hundred years old; old-time embroidery. 665
340. Scott, Laura M., Red Rock, Mont. Embroidered child's dress. 665
341. Scott, Mrs. J. E., Indianapolis, Ind. Counterpane. 669
342. Seeley, Mrs. Levi, Lake Forest, Ill. Art needlework. 669
343. Sellers, Mrs. Francis G., Wilmington, Del. Tea cloth and doilies. 665
344. Shaw, Susan W., Downer's Grove, Ill. Point lace handkerchief, collars and cuffs. 664
345. Shepard, Harriet E., Indianapolis, Ind. Table cloth. 669
346. Smith, E. M., Newport, Vt. Drawn work. 665

WOMAN'S BUILDING.

347. Smith, Jessie I., New Haven, Conn. Embroidered table cloth. 669
348. Smith, Mrs. Ernest, Wilmington, Del. Bed spread, doilies, etc. 665
349. Smith, Mrs. Mollie, Rural Hall, N. C. Embroidery. 665
350. Smith, Nellie C., La Fayette, Ind. Table cloth. 669
351. Snow, Mrs. N. H., Mineral Point, Wis. Tapestry table cover. 670
352. Sogomeier, Mrs. A. Paola, Kan. Lace curtains. 664
353. Somerville, Emma M., Menominee, Mich. Art needlework, "Moses in the Bulrushes." 669
354. Spann, Mrs. John M., Indianapolis, Ind. Table center. 669
355. Stanley, Sara E., Portland, Me. Needlework. 665
356. Stannes, Orpha A., Indianapolis, Ind. Curtain. 669
357. Stark, Mrs. W. H., Chicago. Lace bed spread and pillow shams. 664
358. State of New York, Board of Women Managers.
a Laces. 664
b Antique embroideries. 665
c Fans. 667
359. Stanton Woman's Relief Corps, Los Angeles, Cal. Embroidered badge. 665
360. Stearns, Mrs. R. D., St. John's, Mich. Drawn work. 665
361. Steigley, Miss Emily, LaPorte, Ind. Table cloth. 669
362. Stevens, Mrs. E. J., Washington, D. C. Tapestry. 670
363. Stevens, Mrs. William, Brandon, Miss.
a Point lace. 664
b Venetian embroidery. 669
364. Stillwell, Maria, Brownstown, Ind. Table cloth. 669
365. St. Joseph Academy, St. Augustine, Fla. Lace work. 664
366. Studebaker, Mrs. Clem, South Bend, Ind. Library table cloth. 669
367. Taylor, Susan A., Lafayette, Ind. Table mat. 669
368. Thurston, Matilda, Chicago, Ill. Point lace handkerchiefs. 664
369. Trump, Miss May, Wilmington, Del. Embroidery. 665
370. Tucker, Mrs. H. S., Indianapolis, Ind. Table cloth. 669
371. Turkish Compassionate Fund, New York.
a Embroidered bed spreads, center pieces, doilies, etc. 665
b Art hand embroidery for home and table decoration. 669
372. Turner, Mrs. L. E., North Fairfield, Ohio.
a Point lace work. 664
b Crochet work; embroidered table linen, etc. 665
c Embroidered table scarfs, sofa pillows, etc. 669
373. Voos, Mrs. A., Portland, Ore. Curtains, bed spread, tidies, etc. 664
374. Walter, Mrs. Virgil W., Wilmington, Del. Flannel skirt. 665
375. Warner, Mrs. Anna R., Wilmington, Del. Embroidery done in 1797. 665
376. Warner, Mrs. E. T., Wilmington, Del. Dress front, mats, cushion, etc. 665
377. Waters, Miss, Mineral Point, Wis. Drawn work. 665
378. Westmoreland County Auxiliary Committee, Greensburg, Pa. Needle work. 665
379. White, Mrs. M. E., Butte, Mont. Needle work. 665
380. Whitman, Mrs. J. M., Montpelier, Idaho. Embroidered symbolical flag made by Mormon women. 669
381. Williamson, Amanda, Indianapolis, Ind. Table cloth. 669
382. Williamson, Amy, Tipton, Ind. Table cloth. 669
383. Williamson, Mrs. John H., Indianapolis, Ind. Table cloth. 669
384. Williamson, Mary A., Indianapolis, Ind. Embroidered table and bedroom furnishings. 669
385. Wilson, Lilian A. B., Meriden, Conn.
a Center piece, cushion and doilies. 665
b Table spread. 669
386. Wise, Mrs. Elizabeth J., Wilmington, Del. Thread lace. 664
387. Zimmermann, Catherine, St. Charles, Mo. Work in tatting. 665

GROUP 107.

Hair Work, 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. 672
389. Lyons, Anna Eliza, Syracuse, N. Y. Hair work. 672
390. McDonald, Mrs. J., Streator, Ill. Hair wreath. 672

GROUP 108.

Traveling Equipments—Valises, Trunks, Toilet Cases, Fancy Leather-work, Canes, Umbrellas, Parasols, etc.

391. Eaton, Mrs. Minerva J., Hot Springs, S. Dak. Trunk. 679
392. Hayes, Gretta L. S., Springfield, Mass. Wardrobe trunk. 679
393. Law, Lizzie H., Providence, R. I. Safety pockets for purses, etc. 680
394. Palmer, Elizabeth R., Philadelphia, Pa. Trunk with elevating attachment. 679

GROUP 109.

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

395. Foxworthy, Mrs. Mollie, Lincoln, Neb. Waterproof garment. 683

GROUP 110.

Toys and Fancy Articles.

396. Dike, May, Boston. Penwipers and jewelry plate. 695
397. Dodge, Mrs. Arthur M., New York. Costume dolls. 693
398. Featherstone, Miss Sara W., Toledo, Ohio. Card game. 693

UNITED STATES.

399. Heath, E. H. & Co., New York. Paper lamp shades, glove and bon-bon boxes, etc. 695
 400. Macfie, Anne E., Grand Haven, Mich. Game of art characters. 693
 401. Milliken, Miss Annie B., Chicago. Toy folding chair. 693
 402. Parker, M. E., & Co., Camden, Me. Scale work jewelry. 695
 403. Smith, Mrs. Wm. H., New York. Tops and dolls. 693
 404. Sweet, Miss Stella, Kansas City, Mo. The Easter egg toy. 693

GROUP 111.

Leather and Manufactures of Leather.

405. Breves, Mrs. H., Chicago. Embossed leather chair seat and back. 705
 406. Fobes, Harriet K., East Orange, N. J. Leather work decorated by etching. 705
 407. Heimrod, Dora L., Omaha, Neb. Hand carved leather chair in high relief. 705

GROUP 115.

Heating and Cooking Apparatus and Appliances.

408. Bulkeley, Mrs. Mary B., St. Louis. Duster. 730
 409. Burns, Priscilla M., St. Louis. Flour sifter. 730
 410. Cochrane, Mrs. J. G., Shelbyville, Ill. Dish washer. 730
 411. Durell, M. S., New York. Steam radiator attachment. 726
 412. Everhard, Mary M., St. Joseph, Mich. Metal kneading board. 730
 413. Foxworthy, Mrs. Mollie, Lincoln, Neb. Gasoline kitchen. 729
 414. Hambel, Mrs. A. J., Chicago. Egg beater. 730
 415. Hamilton, Catherine M., Decatur, Ill. Model of convertible chair. 730
 416. Hillyer, Mrs. Harriet, R., Madison, Wis. Cooking table. 730
 417. Holcomb, Mary H., Chicago. Baking dish. 730
 418. Holden, Mrs. Martha B., Chicago. Carpet and floor duster. 730
 419. Minster, Elizabeth, Ravenswood, Ill. Bolster. 730
 420. Noland, Mrs. Mary B., Independence, Mo. Meat boiler. 730
 421. Robertson, Emma L. I., Port Hope, Canada. Frying pan. 730
 422. Sawyer, Mrs. H. A., St. Louis. Dish heater. 730
 423. Shleppy, Mrs. Ettie E. B., Russia-ville, Ind. Beef mangler. 730
 424. Wilcox, Olive W., St. Louis. Bake oven. 727
 425. Wood, Mrs. Eliza A., Easton, N. Y. Mop pail. 730

GROUP 116.

Refrigerators, Hollow Metal Ware, Tin-ware, Enameled Ware.

426. Harris, Mary M., Chicago. Model of refrigerator. 731
 427. Romney, Mrs. C. W., Chicago. Water cooler and refrigerators. 731

GROUP 117.

Wire Goods and Screens, Perforated Sheets, Lattice Work, Fencing, Etc.

428. Price, Mrs. Charles, Salisbury, N. C. Screen. 738

GROUP 120.

Plumbing and Sanitary Materials.

429. Brack, Mrs. W. B., El Paso, Tex. Portable sink. 755
 430. Dexter, Mary J., Wauwatosa, Wis. Portable bath-tub. 753
 431. Neal, Miss S. C., New York. Portable bath-tub for infants. 753

GROUP 121.

Miscellaneous Articles of Manufacture not Heretofore Classed.

432. Caldwell, Miss Hattie D., Chicago. Straw work on lace.
 433. Dexter, Mrs. S. H., Chicago. Fancy rope work.
 434. Smith, Mrs. S. L., Austin, Ill. Scale for measuring hems, etc.
 435. Webb, Mrs. Frank, Wilmington, Del. India ink marking.
 436. Wolfsbruck, Carrie, New York. Artificial teeth, fillings and dentures.

DEPT. K—FINE ARTS.

GROUP 139.

Sculpture.

- Ames, Mrs. S. F., New York.
 437. Marble bust of Abraham Lincoln. 820
 438. Plaster bust of Ulysses S. Grant. 820
 Barton, Miss Carrie, Lincoln, Neb.
 439. Young Athlete. 822
 Brooks, Caroline S., Cincinnati, Ohio.
 440. Bust of Lucretia Mott. 820
 Chislett, Mabel C., Chicago.
 441. Plaster bust. 820
 Copp, Ellen Rankin, Chicago.
 442. Plaster portrait of Harriet Monroe. 820
 Curtis, Amelia D., St. Joseph, Mo.
 443. Bas-reliefs. 821
 Dunham, Phebe A., Wayne, Ill.
 444. Plaster medallions. 820
 Gates, Adeline, Minneapolis, Minn.
 445. Portrait bust in plaster. 820
 Hammond, Jane N., Boston.
 446. Plaster medallions. 820
 Hoxie, Vinnie Ream, Little Rock, Ark.
 Statuary in marble.
 447. "Miriam." 820
 448. "The West." 820
 449. "America." 820
 Jackson, Lily I., Parkersburg, W. Va.
 450. Medallions in plaster. 830
 Lewis, Edmonia, New York.
 451. Statuettes. 820
 Palette Club, Chicago.
 452. Sculpture. 820
 Prescott, Katharine T., Boston.
 453. Bas-relief and bronze medallions. 821
 Slater, Mary E., Philadelphia.
 454. Panel in plaster of Paris. 820

WOMAN'S BUILDING.

- Tobin, Benedette B., Austin, Tex.
 455. Group of Genii. 820
 456. Statue of the King. 820
 Wadsworth, Fanny L., Philadelphia.
 457. Bronze statuette. 822
 Whitney, Anne, Boston.
 458. Marble bust of Lucy Stone. 820

GROUP 140.

Paintings in Oil.

- A'Becket, Marie, New York.
 459. The Storm.
 Adams, Mrs. G. P., Chicago.
 460. A Pail of Raspberries.
 461. Grandma's Window.
 462. Plums.
 Anderson, Jessie B., Moorhead, Minn.
 463. Study of Negro Woman's Head.
 Barney, A. C., Cincinnati.
 464. Portrait.
 Beaux, Cecilia, Philadelphia.
 465. Colleen.
 Bell, Frances S., St. Louis, Mo.
 466. Oil paintings.
 Benedict, Euella, Lake Forest, Ill.
 467. Old Stories.
 Boggs, Mary H., Long Beach, Miss.
 468. Winter View of Gulf Coast.
 Bohn, Grace G., Chicago.
 469. A Staid Old Poser.
 470. Old Cider Mill.
 Bond, Frances N., Chicago.
 471. Posing.
 Brainerd, Mrs. M. N., Lansing, Mich.
 472. Eve.
 Brooks, Maria, New York.
 473. Down Piccadilly.
 Brown, Mrs. Delia F. H., Pinerolo, Italy.
 474. Oil paintings.
 Brown, Mrs. M. G., San Jose, Cal
 475. Basket of Peaches.
 Burton, Kate, Geneva, Ill.
 476. White's Creek.
 477. A Country Road.
 Carl, Kate A., Paris, France.
 478. Oil paintings.
 Chapman, Minerva J., Chicago.
 479. The Village Church.
 Clark, Mrs. T. C., Stillwater, Minn.
 480. Still-life Study.
 Clarke, Sarah F., Marietta, Ga.
 481. In the Great Smoky Mountains, N. C.
 Coats, Ida May, San Francisco, Cal.
 482. Light of the Harem.
 Coman, Mrs. C. B., Waterville, N. Y.
 483. Thistledown.
 Conly, Jean, Boise City, Idaho.
 484. Spring Among the Foot Hills.
 Craig, Mrs. A. M., Galesburg, Ill.
 485. Roses.
 Dodge, M. Leftwich, New York.
 486. Portrait de ma Fille.
 Dodgshun, Mrs. A. V., Chicago.
 487. Landscapes.
 Dohn, Pauline A., Chicago.
 488. Portrait of Mrs. M. W. Means.
 Emmet, Lydia, New York.
 489. Portrait: Study.
 Fassett, Mrs. C. A., Washington, D. C.
 490. Oil paintings.

- Fenner, Emily, South Orange, N. J.
 491. Carnations.
 Fenner, Lucy T., South Orange, N. J.
 492. Dog's Head.
 France, Mrs. Eurilda Loomis, Pittsburg, Pa.
 493. Preoccupation.
 Fry, Georgie T., St. Louis, Mo.
 494. Mountain Brook.
 495. A Study.
 Gill, Rosalie L., New York.
 496. Chat.
 Gray, Miss Abbot, Cincinnati.
 497. Portrait.
 Grothjean, Fanny C., Boise City, Idaho.
 498. Marine.
 Hart, Letitia B., New York.
 499. A New Book.
 Harwood, Mrs. Hattie R., Salt Lake City, Utah.
 500. Still Life.
 Haydock, Atha, Cincinnati.
 501. Portrait.
 502. Landscape.
 Hayne, Mrs. J. T., Portland, Ore.
 503. Roses.
 Haynes, C. Coventry, New York.
 504. Portrait.
 Heberton, Fannie O., Philadelphia.
 505. Portraits.
 Hejusten, Mrs. H. T., Milwaukee, Wis.
 506. Portrait.
 Herrick, Caroline K., Brick Church, N. J.
 507. Still Life.
 Hess, Miss Lydia P., Chicago.
 508. Two Friends from Normandy.
 Holmes, Miss Mary J., Chicago.
 509. Portrait of Hannah Moore supposed to have been painted by Sir Joshua Reynolds.
 Holt, Mrs. Maud S., Little Rock, Ark.
 510. Still Life.
 Jackson, Lily I., Parkersburg, W. Va.
 511. Dogs.
 Joslyn, Kate, Janesville, Wis.
 512. Studies of Roses.
 Keith, Dora Wheeler, New York.
 513. Daphne's Nymphs.
 Kellogg, Alice D., Chicago.
 514. Portrait.
 Kimbrough, Mrs. C. G., Lexington, Miss.
 515. Portrait.
 516. Landscape.
 Klumpke, Anna E., Boston.
 517. Oil painting.
 Lamar, Kate L., Washington, D. C.
 518. Portrait of Justice L. Q. C. Lamar.
 Lesshaft, Mrs. Ottily, Harrisburg, Pa.
 519. Swabean Peasant.
 Lord, C. A., Cincinnati.
 520. Noon.
 Lyon, Haitie L., Bethel, Conn.
 521. A Bouquet of Onions.
 MacKubin, Miss Florence, Baltimore.
 522. A Florentine Mandolin Player.
 Matthern, Theodora K., Chicago.
 523. Autumn's Last Offering.
 524. Group of Orchids.

UNITED STATES.

525. Matthews, Retta, Arlington, Ind.
 Salle de Venus, Louvre.
 526. Maynich, Emma, Washington, D.C.
 Portrait of a child.
 527. McDougne, Louise F., Cincinnati.
 Landscape.
 528. McLaughlin, M. Louise, Cincinnati.
 Head.
 529. McLean, Eugenie, Pullman, Ill.
 A Dreamer.
 530. Mumaugh, Mrs. F. M., Omaha, Neb.
 Beulah's Dog.
 531. Natt, Phebe D., Philadelphia.
 Illustrations in black and white.
 532. Newman, Mrs. W., Cincinnati.
 Portrait.
 533. N'chols, Rhoda H., New York.
 A Venetian Courtyard.
 534. Owen, Mrs. Ella S., Burlington, Vt.
 Roses.
 Palette Club, Chicago.
 535. Paintings.
 536. Parmele, Madge B., Rochester, Minn.
 Portrait of Lady with Violin.
 537. Fruit.
 538. Parsons, Orrin Sheldon, New York.
 Portrait of Mrs. Lillian Devereaux
 Blake.
 Plympton, A. H., Cincinnati.
 539. Landscape.
 540. Rea, Ellie, Fargo, N. D.
 Norwegian Girl.
 Rohrer, Alice H., Worthington,
 Minn.
 541. Marine.
 542. Old Log Cabin near Spring Lake, Ia.
 543. Bachelor's Lunch.
 Scott, E. M., New York.
 544. Cherries.
 545. Shepley, Annie B., New York.
 Work and Play.
 546. Smith, Letta C., Detroit, Mich.
 Five O'clock Tea.
 547. Smith, Miss M., Minneapolis, Minn.
 Early Morning on the Lake of the
 Isles.
 548. Solari, Mary M., Memphis, Tenn.
 Beggars in Sympathy.
 549. Spencer, Mary, Cincinnati, O.
 Boys.
 550. Stewart, Luella M., Syracuse, N. Y.
 Portrait of Jean Laurent.
 551. Stone, Ellen J., New York.
 Portrait.
 552. Taber, Mrs. P. C., New York.
 Cherries.
 553. Tobin, Benedette B., Austin, Texas.
 Oil painting.
 554. Uhler, Miss C. Estelle, Lebanon, Pa.
 The Gleaners.
 555. Vanderpool, Emily K., New York.
 Spirit of the Nineteenth Century.
 556. Uhler, Miss C. Estelle, Lebanon, Pa.
 The Gleaners.
 557. Wachman, H., Cincinnati.
 Baby.
 558. Wade, Caroline D., Chicago.
 A Little Maid.
 559. Wadhams, Mrs. J. A., Chicago.
 Roses.
 560. Walter-Eisenlohr, L., New York.
 Divided Attention.
 561. West, A. M., Minneapolis, Minn.
 Landscape.
 562. Roses.
 Williams, Mrs. M. D., Indianapolis,
 Ind.
 563. A Bit of Hoosierdom.
 Wood, Virginia H., Ivy Depot, Va.
 Old Virginia.
 564. Young, Mrs. L. C., Portland, Ore.
 565. Paintings of fruits.
- GROUP 141.**
- Paintings in Water Colors.**
566. Attwill, Elizabeth, Chicago.
 Water color painting.
 567. Bohn, Grace G., Chicago.
 Roses.
 568. Brooks, Elizabeth, Chicago.
 Springtime.
 569. On the Shenango.
 Brooks, Frances M., Chicago.
 570. The Old Cider Mill.
 Butler, Mrs. T. J., Prescott, Ariz.
 571. Wild Flowers.
 Darlington, Alice L., West Chester,
 Pa.
 572. Portrait.
 Derickson, Clara M., Minneapolis,
 Minn.
 573. Landscape.
 574. Still Life.
 Fassett, Mrs. C. A., Washington,
 D. C.
 575. La Marquise.
 Harrison, Agnes, Minneapolis, Minn.
 576. Water color.
 Hart, Miss Lilly M., Champaign, Ill.
 577. Water color paintings of insects.
 Herrick, Caroline K., Brick Church,
 N. J.
 578. Roses and Still Life.
 Hoke, Martha H., St. Louis, Mo.
 579. Water color.
 Hooper, Miss Anna, Wilmington,
 Del.
 580. Water color.
 Hugher, Katherine E., New York.
 581. Fresh Tulips.
 582. Faded Tulips.
 583. Corner of Southern Kitchen.
 584. Portrait de ma Fille.
 Hughes, Marie G., Salt Lake City,
 Utah.
 585. Water color studies.
 Lannoy, Mrs. F. de, Chester, Pa.
 586. Water color paintings.
 Lathrop, Mrs. A. A., Chicago.
 587. Scenery in Montana.
 Leiper, Eliza S., Chester, Pa.
 588. Historical painting.
 Ludwig, Katie K., Erie, Pa.
 589. African Scenes.
 McKinstry, Grace E., Faribault, Minn.
 590. Angels.
 McLean, Miss Charlotte E., Hart-
 ford, Conn.
 591. Daisy Field near Stockbridge, Mass.
 592. Murdock, Sarah A., Stillwater, Minn.
 Study of Moccasin Flower.
 593. Pattison, Alice M. G., St. Louis.
 La Tuilerie.

WOMAN'S BUILDING.

- Roberts, Mrs. G. W., Highland Park, Ill.
 594. Pass Through the Woods.
 Smith, Miss M., Minneapolis, Minn.
 595. Orchids.
 Solari, Mary M., Memphis, Tenn.
 596. Courtyard of Il Bargello, Florence, Italy.
 597. Campanile of Santa Croce, Florence Italy.
 Taber, Mrs. P. C., New York.
 598. Fruit piece.
 Tobin, Benedette B., Austin, Tex.
 599. Water color.
 Wales, Florence, Minneapolis, Minn.
 600. In the Harbor.
 601. Late Afternoon.
 602. Violets.
 West, A. M., Minneapolis, Minn.
 603. Old Bridge in Wales.

GROUP 142.

Paintings on Ivory, on Enamel, on Metal, on Porcelain, or other Wares; Fresco Painting on Walls:

604. Anderson, Louise C., Chicago. Paintings on porcelain.
 605. Archambault, Mrs. Anna M., Philadelphia. Tapestry painting.
 606. Axtell, Miss Ella C., St. Louis, Mo. Portraits on china.
 607. Board of Women Managers of the State of New York. Miniatures.
 608. Boyden, Emily M. B., Chicago. Dog in embroidery.
 609. Butts, Mrs. S., Dennison, Tex. Oil paintings in relief on plush, canvas, etc.
 610. Cassatt, Miss, Paris, France. Decorative panel in north tympanum in Woman's Building.
 611. Coles, Miss Agnes, New Rochelle, N. Y. Miniatures on marble and ivory.
 612. Dana, Mrs. Mary H., New Haven, Vt. Paintings on marble.
 613. Dodge, Virginia V., Beverly, Ohio. Paintings on velvet and porcelain.
 614. Emmet, Miss Lydia, New York. Decorative panels on west side of gallery in Woman's Building.
 615. Fairchild, Miss, Boston. Decorative panels on east side of gallery in Woman's Building.
 616. Fleming, Caroline F., Minneapolis, Minn. Painted photographs.
 617. Foster, Marie B., Chicago. Paintings on porcelain.
 618. Frazee, Mrs. A., Chicago. Sketch on porcelain.
 619. Fuldmer, Miss L., Milwaukee, Wis. Embroidered picture.
 620. Greenleaf, Mrs. Walter, Riverside, Ill. Paintings on porcelain.
 621. Heynsen, Mrs. John, Milwaukee, Wis. Painting on tapestry.
622. Hoke, Martha H., St. Louis. Miniatures on ivory.
 623. Keith, Dora W., New York. Painted ceiling.
 624. Kittredge, Emma A., Chicago. Paintings on porcelain.
 625. MacMonnies, Mrs., Paris, France. Decorative panel in south tympanum of Woman's Building.
 626. McKinstry, Grace E., Fairbault, Minn. Painting on tapestry.
 627. McLean, Eugenie, Pullman, Ill. Painted tapestry.
 628. Mann, Mrs. W. L., Chicago. Paintings on porcelain.
 629. Neale, Mrs. Vincent, San Rafael, Cal. Paintings on china.
 630. Payen, Cecile E., Chicago. Miniatures painted on ivory.
 631. Ryerson, Nellie C., Florence, Italy. Painted tapestries.
 632. Salmon, Florence E., New York. Painted tapestry wall hangings.
 633. Sewell, Mrs. Amanda B., New York. Decorative panels on east side of gallery in Woman's Building.
 634. Sherwood, Rosina E., New York. Decorative panels on west side of gallery in Woman's Building.
 635. Stevens, E. Jane. Tapestry (Guinevere).
 636. Tobin, Benedette B., Austin, Tex. Tapestry painting.
 637. Walker, Miss Lou, Fayetteville, Ark. Painted piano cover.
 638. Walker, Miss Mary E., Flushing, N. Y. Miniatures on porcelain.
 539. Walmsley, Mabel, Philadelphia. Heraldic painting on vellum.
 640. Webbing, Miss Ethel, New York. Miniatures painted on ivory.
 641. White, Emma G., Portland, Ore. Pictures on porcelain.

GROUP 143.

Engravings and Etchings; Prints.

642. Gilliland Anna, M., Plattsburg, N. Y. Wood engravings.
 643. Lord, C. A., Cincinnati. Engravings.
 644. Powell, Caroline A., Trenton, N. J. Artist proofs of wood engraving.
 645. Shipman, Miss Rebecca A., Lewiston, Mont. Proofs of wood engravings.
 646. Sussemilch, Miss Charlotte von, Delavan, Wis. Book of etchings, etc.

GROUP 144.

Chalk, Charcoal, Pastel, and Other Drawings.

647. Albright, Mrs. Frances L., Albuquerque, N. M. Crayon-pastel.
 648. Anderson, Jessie B., Moorhead, Minn. Lead-pencil sketches.
 649. Blake, Elizabeth, Prescott, Ariz. Crayon portrait.
 650. Brown, Mrs. Delia F. H., Pinerolo, Italy. Aquarelles.

UNITED STATES.

651. Bucy, Mrs. Estelle, Detroit, Mich. Crayon portraits. 832
652. Craylisle, Miss M. H., Denver, Col. Portrait of Miss Blanch Dougan. 832
653. Clark, Mrs. T. C., Stillwater, Minn. Free hand drawing. 832
654. Comstock Anna B., Ithaca, N. Y. Drawings of insects for engraving. 832
655. Culbertson, M. E. B., Richmond, Ind. Maria Monk's daughter. 832
656. Degges, Kate P., St. Louis. Crayon—Old Salem on the Sangamon, the early home of Abraham Lincoln in Illinois. 832
657. Dougan, Miss Blanch, Denver, Col. Devoted to the Virgin. 832
658. Fassett, Mrs. C. A., Washington, D. C. India ink drawing. 832
659. Foote, Mary H., New York. India ink drawings. 832
660. Hart, Miss Lilly M., Champaign, Ill. Drawings of insects and crustaceans. 832
661. Hawley, Mrs. Clara D., Lennox, S. D. Pastel picture. 832
662. Heynsen, Mrs. Jahn, Milwaukee, Wis. Pastel portrait. 832
663. Jekyll, Emily, Wichita, Kan. Figure in pastel. 832
664. Natt, Phebe D., Philadelphia. Pen and ink sketches. 832
665. Ritterhoff, Miss Amalie, Newark, N. J. Pen sketches, etc. 832
666. Smith, Miss M., Minneapolis, Minn. Fruit in pastel. 832
667. Sparks, Mrs. George W., Wilmington, Del. Pastel painting. 832
668. Solari, Mary M., Memphis, Tenn. Crayon work. 832
669. Suessmilch, Miss Charlotte von, Delavan, Wis. Crayon of Napoleon I painted from life. 832

GROUP 146.

Exhibits of Private Collections.

670. Albright, Mrs. Frances L., Albuquerque, N. M. Private collection of antiques. 832

DEPT. L—LIBERAL ARTS.

GROUP 147.

- Physical Development, Training and Condition—Hygiene.
671. Carpenter, Emma H., Springfield, Vt. Surgical bandage. 832
672. Chinese Woman's and Girls' Home Society, Portland, Ore. Photograph and chart. 831
673. Dodge, Mrs. Arthur M., New York. Exhibit of training school for nurses. 832
674. Elkins, Miss Fannie, New York. Plates, drawings, models and photographs. 832
675. Humphrey, T. G., Hays City, Kan. Vapor cabinet. 832
676. Murphy, Mrs. Mary A., San Francisco, Cal. Metal hot-water appliance. 832
677. Orphans' Home and Hospital, Albany, Ore. Statistics and picture 831

678. Ovington, Irene H., Brooklyn, N. Y. Bed pan. 832
679. Provident Dispensary, Rochester, N. Y. Photographs and statistics. 832
680. Romney, Mrs. C. W., Chicago. a Laborers' dinner pail and heat converters. 826
b Water filters. 829
681. Training School for Nurses, Philadelphia. System, statistics, etc. 832
682. Wood, Miss Alice, Muskegon, Mich. Model of toboggan slide. 825

GROUP 148.

Instruments and Apparatus of Medicine, Surgery and Prosthesis.

683. Epple, Louise, Chicago. Supporters, trusses and bandages. 837

GROUP 149.

Primary, Secondary and Superior Education.

684. Alumnae Ass'n of Pratt Institute, Brooklyn, N. Y. Samples of work. 843
685. American College for Girls, Scutari, Turkey. Work of the students. 851
686. Arnold, Miss A. A., Minneapolis, Minn. Work of school girls. 850
687. Bachmann, Sophia E., Chicago. Copy book for the blind. 849
688. Banniwell, Norma, Hickory, N. C. Design for cabinet by girl 15 years old. 852
689. Beecher, Mrs. H. F., Port Townsend, Wash. Easel. 852
690. Bryn Mawr School, Baltimore, Md. Model of School. 851
691. Chicago Trade School, Dressmaking Dept., Chicago. Models in full dress, charts, etc. 843
692. Corey, Mrs. L. S., Harvard, Neb. Historical blocks and panels. 841
693. Kellogg, Mrs. Martha E., Battle Creek, Mich. System of ladies tailoring and dressmakers' supplies. 843
694. King's Daughters, St. Peter, Minn. Fancy work done by women patients in the hospital for the insane. 849
695. Kuntze, Miss F. B., Trenton, N. J. Design for needle-work. 852
696. McManus, Blanche, Chicago. Designs for mural decorations, wall-paper, etc. 852
697. Michener, Mrs. Mary, Ogontz, Pa. Dress-making chart. 843
698. Monticello Seminary, Godfrey, Ill. Statistics and work. 851
699. Peterson, Miss Maria, Chicago. Samples of sloyd work to be taught to girls in the common schools. 850
700. Repley, Mrs. E. C., Hartford, Conn. Designs for wall-paper. 852
701. School of Applied Designs for Women, New York. Designs as applied to wall-paper, carpets and the work of an architect's draughtsman, with samples of completed work. 852
702. School of Industrial Art and Technical Designs for Women, New York. Working designs for carpets, wall-papers, printed textiles, etc., with specimens of fabrics. 852

WOMAN'S BUILDING.

703. Sisters of the Academy of Visitation, Washington, D. C. Books and charts. 851
 704. State of New Jersey. Statistics of female education and professions of the State. 853
 705. Thompson, Mrs. F. E., Kansas City, Mo. Garment cutter. 843
 706. Williamson, Mary A., Indianapolis, Ind. Designs for embroidery executed and exhibited by the women of Indiana. 852

GROUP 150.

Literature, Books, Libraries, Journalism.

707. Anthony, Mary E., Philadelphia. Biographical, poetical and prose works in manuscript. 854
 708. Campbell, Mrs. Ellis L., Wayne, Pa. Whittier's Centennial Hymn illuminated. 854
 709. Grace, Nellie R., Burns, Ore. Books and book making. 854
 710. Hollister, Mrs. Harvey J., Grand Rapids, Mich. Hymns showing styles of illumination in different periods. 854
 711. Lady stenographers of Park County, Livingston, Mont. Samples of stenographic work. 854
 712. Miller, Anna J., Washington, D. C. Books on dress reform. 854
 713. Morey, Mrs. Anna R., Hastings, Neb. Illuminated booklet. 854
 714. Morse, Alice C., Brooklyn, N. Y. Book covers. 854
 715. Orff, Annie L. Y., St. Louis. Chaperone magazine. 854
 716. State of New York, Women Managers of, Albany, N. Y. Books and pamphlets of statistics of the women of the State. 854
 717. Sweeny, Margaret, Chicago. Relief maps. 864
 718. Wilkinson, Thomas, South Waukegan, Ill. Sentences written by Madagascan women, with English translation. 854

GROUP 151.

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

719. Albright, Mrs. F. L., Albuquerque, N. M. Collection of photographs. 871
 720. Carter, Alice R., Chatham, Pa. Photographs of historical women and places in Chester County. 871
 721. Dock, Mira L., Harrisburg, Pa. Photographs. 871
 722. Farnsworth, Emma J., Albany, N. Y. Amateur photographs. 871
 723. Garrity, Miss, Chicago. Photographs. 871
 724. Kendall, Mrs. Marie H., Norfolk, Conn. Photographs. 871
 725. Millay, Mrs. Jerry, Phoenix, Ari. Album of photographs. 871
 726. Okis, Miss Gertrude, Boothwyn, Pa. Photographs. 871
 727. Proctor, Miss Hattie A. Chicago. Instrument to facilitate the analysis of oils. 875
 728. Richards, Miss Annie L., Boston. Amateur photographs. 871

729. Scull, Sarah A., Washington, D. C. Photographs. 871
 730. Slade, Elizabeth A., New York. Amateur photographs. 871
 731. Titus, Mrs. Lillie B., Boston. Photographs. 871
 732. Wellman, Miss M. B., Upland, Pa. Amateur photographs. 871
 733. Wells, Miss Kate, Salt Lake City, Utah. Tinted photographs. 871
 734. White, Mrs. C. E., Butte, Mont. Photographic view of Butte. 871
 735. Wright, Mrs. J. O., New York. Amateur photographs. 871

GROUP 152.

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736. Brewster, Clotilde K., New York. Designs and drawings for a villa. 889
 737. Cobb, Mrs. Anna M., Pensacola, Fla. Working plans, elevations and photographs of houses. 889
 738. Howe, Lois L., Cambridge, Mass. Architectural drawings for Woman's Building. 889
 739. Ransom, Frances A., East Palatka, Fla. Combination blind and screen. 889
 740. State of Iowa. Sioux City Corn Palace. 889
 741. Strong, Harriet W. R., Whittier, Cal. System of storage reservoirs for irrigation. 882
 742. Stuekert, Mary C. C., Denver Col. Model and drawings of building for co-operative living. 889

GROUP 153.

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743. Lockwood, Belva A. Washington, D. C. Copy of the law of 1879 admitting women to the U. S. Supreme Court. 890

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Institutions and Organizations for the Increase and Diffusion of Knowledge.

744. Dana Natural History Society, Albany, N. Y. Representative papers, etc. 908
 745. Smithsonian Institute, Washington, D. C. Collective exhibit. 907

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746. Compton, Mrs. Chas. W., Newark, N. J. Masonic apron. 917
 747. Girls' Friendly Society, New York. Reports, statistics and fancy work. 918
 748. Massachusetts Ass'n of Working Girls' Clubs, Boston. Reports and maps. 918
 749. Minnesota State Board, Minneapolis, Minn. Statistics; philanthropic and reform literature. 918
 750. Woman's Physiological Society, Chicago. Manuscript. 918
 751. Woman's Relief Society, Portland, Ore. Photograph and statistics. 918

UNITED STATES.

GROUP 157.

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Statistics and Publications.**

752. Art embroidery executed by pupils of Girls' Industrial School at Guntur, South India. 921
753. Board of Foreign Missions of the Evangelical Lutheran Church, Baltimore.
754. Woman's Columbia Club of Sedgwick county, Wichita, Kan. Chart of religious work in Wichita, Kan. 919

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755. Anthony, Mary E., Philadelphia. Original manuscript music 926
756. Church, Lily Regina, Parkersburg, W. Va. Music text books, etc. 926
757. Pick, Libbie & Esther, Chicago. Music cabinet attachment for pianos and organs. 930
758. Wilde, Mary V., St. Louis, Mo. Rubber piano pedal. 730

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760. Philadelphia County Committee, Philadelphia. Photographs, statistics, etc., of women's work in libraries, journalism, hospitals, etc.
761. Philadelphia Exchange for Woman's Work, Philadelphia. Woman's work.
762. Pittsburg Exchange for Woman's Work, Pittsburg, Pa. Woman's work.
763. Statistical Committee for Massachusetts, Boston. Charts of statistics of women of Massachusetts.
764. Woman's Exchange and Decorative Art Society, Detroit, Mich. Woman's work.
765. Woman's Work for Woman, Chicago. Statistics of organization.

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766. DeLaney, Mrs., Alaska. Alaska Indian work 960
767. Fransway, Mrs. Louisa, Oldtown, Me. Baskets, canoes, bows and arrows, wooden tomahawks and knives, snow shoes and moccasins made by the Penobscot Indians. 960
768. Hare, Wm. H., Sioux Falls, South Dakota. Altar cloth executed in bead work by Oglala, Sioux Indian woman. 960

769. Ladies of San Juan World's Fair Aux. Com., Aztec, N. M. Navajo blanket to be used as portiere in Woman's Building. 960
770. Pallardy, Alice, Pine Ridge Agency, South Dakota. Beaded altar cloth made by Sioux Indian woman. 960
771. Patrick, Anne B., Leadville, Col. Navajo blankets and baskets, with two Indian women at work at Indian loom. 959

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772. Board of Women Managers of the State of New York. Autographs and portraits of famous women of the past four hundred years.
773. Copp, Ellen Rankin, Chicago. Portrait in bronze of Mrs. Potter Palmer, President Board of Lady Managers World's Columbian Commission.

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774. French-Sheldon, M., Boston. African exhibit. 968
775. Hunt, Mrs. L. P., St. Paul, Minn. Loan collection of ancient articles. 968
776. Lady Managers of the World's Columbian Commission, Chicago. Neck-handkerchiefs, Bohemian and Slovak bonnets and babies' hoods, head ornaments, embroidered tail of holubinka, aprons, christening cloths, cushion covers, Slovak and Moravian embroidery, photographs of female costumes and country furniture, etc., donated by the women of Bohemia to the permanent memorial building at Chicago. (In Main Gallery) 968

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778. Fisherwomen of New Jersey. Wall and scrap baskets, etc. 111
779. Jones, Mrs. Mable C., Pittsburg, Pa. Historic woods. 99
780. Ladies of Mercer County, Mercer, Pa. Inlaid table of over 2,000 pieces of native woods. 100
781. McManus, Miss Blanch, Jackson, Miss. Sixty panels of different woods with fruit, leaf and flower of each painted on it. 113

Loan Collection of Bureau of Applied Arts, New York.

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3. Tiffany Glass & Decorating Co., New 568
York. Silk velours portiere. 568

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Ceramics and Mosaics.

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5. Cox, Mrs. Kenyon, New York. 579
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China. 576
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9. Hall, Miss Frances P., New Haven, 576
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11. Osgood, Mrs. Worth, New York. 576
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12. Raymond, E. Launitz, East Orange, 576
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oration, "Order of Columbus." 585
16. Emerson, Miss S. H., New York. 585
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17. Huntington, Metelill, Pulaski, N. Y. 585
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18. Marshall, Miss Lily, New York. 585
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22. Tillinghast, Miss Mary, New York. 595
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30. Colgate, Mrs. Jas. B., New York. 667
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31. Day, Mrs. Henry, New York. Table 669
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32. Downer, Mrs. Frederick, New York. 669
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33. Drivdahl, Miss Marie, Brooklyn, 669
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34. Foote, Catherine, Delhi, N. Y. Em- 669
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35. Frost, Miss Helen, Poughkeepsie, 669
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36. Gilchrist, Mrs. Geo., New York. 665
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37. Hampton, Mrs. Henry, Poughkeepsie, 669
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38. Hogan, Kate, New York. Braid 664
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39. Jackson, Marion T., New York. 669
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40. Nicholis, Rhoda H., New York. Hand- 664
made point lace. 664
41. Peters, Mary Austin, New York. 669
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LOAN COLLECTION OF BUREAU OF APPLIED ARTS, NEW YORK.

- 42. Preston, Mrs. R. W., Brooklyn, N. Y. Crochet counterpane and pillow covers. 665
- 43. Ryerson, Miss N. C., New York. Tapestries. 670
- 44. Satterlee, Miss Florence, New Brighton, N. Y. Embroidered picture. 669
- 45. Schroeder, Miss Emma, Brooklyn, N. Y. Lace doilie. 664
- 46. Stevens, Mary D., New York. Ecclesiastical embroidery. 669
- 47. Stokes, Olivia P., New York. Ecclesiastical lace. 664
- 48. Troy Women's Exchange, Troy, N. Y. Mexican drawn work. 665
- 49. Wells, Miss Annie, Philadelphia. Embroidered picture. 669

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- 50. Hasbrouke, Mary K., Ogdensburgh, N. Y. Specimens of stamped leather. 705

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- 51. Armstrong, Helen M., New York. Decorative panel.
- 52. Redmond, Frieda V., New York. Decorative panel.
- 53. Stephens, Alice B., Philadelphia. Black and white pictures.

GROUP 141.

Paintings in Water Colors.

- 54. Armstrong, Margaret M., New York. Poppies.
- 55. Huger, Miss K. M., New York. Autumn.
- 56. Nicholls, Rhoda H., New York. On the Beach.
- 57. Scott, Mrs. E. M., New York. Flowers.
- 58. Sherwood, Mrs. Arthur, New Rochelle, N. Y. Water colors.

GROUP 144.

Chalk, Charcoal, Pastel and Other Drawings.

- 59. Century Co., New York. Drawings.
- 60. Milham, Miss Zella, Brooklyn, N. Y. Pen and ink sketch.
- 61. Sherwood, Mrs. Arthur, New Rochelle, N. Y. Pastels.

GROUP 145.

Antique and Modern Carvings; Engravings in Medallions or in Gems; Cameos, Intaglios.

- 62. Prescott, Katherine, Boston. Intaglio, Faust and Marguerite.

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Primary, Secondary and Superior Education.

- 63. Armstrong, Helen M., New York. Sketch and cartoon for decorative panel. 852

- 64. Armstrong, Margaret M., New York. Designs for book covers. 852
- 65. Aspinwall, Miss Eliza, New York. Designs for wall paper and silks. 852
- 66. Aspinwall, Miss M. A., New York. Designs for wall paper and silks. 852
- 67. Atwater, Edith, Brooklyn, N. Y. Design for silver vase. 852
- 68. Blashfield, Mrs. E. W., New York. Design for mirror. 852
- 69. Bullard, Frances A., New York. Design for frieze. 852
- 70. Clark, Miss Ida, New York. Designs for wall papers. 858
- 71. Cox, Mrs. Kenyon, New York. Designs for transom and reredos. 852
- 72. Crownfield, S. L., New York. Design for wall paper. 852
- 73. Emmet, Lydia F., New Rochelle, N. Y. Design for seal. 852
- 74. Ferguson, E. Adele, Brooklyn, N. Y. Designs for watches, etc. 852
- 75. Howell, C. E., New York. Book cover designs. 852
- 76. Humphrey, Maud, New York. Design for wall paper and frieze. 852
- 77. Huger, Miss K. M., New York. Designs. 852
- 78. Joyce, Lillian V., Brooklyn, N. Y. Designs for watch cases, etc. 852
- 79. Lamb, Mrs. Elia Condie, New York. Designs and cartoons. 852
- 80. Pyle, Katherine, Wilmington, Del. Book illustration and decorated pages. 852
- 81. Sherwood, Mrs. Arthur, New York. Designs for wall papers. 852
- 82. Tiffany Glass and Decorating Co., New York. Designs for glass windows, etc. 852

GROUP 150.

Literature, Books, Libraries, Journalism.

- 83. Armstrong, Margaret M., New York. Book covers and initial letters. 854
- 84. Armstrong, Helen M., New York. Calendars and illustrations. 854
- 85. Eggleston, Allegra, New York. Book illustrations. 854
- 86. Emmet, Lydia F., New Rochelle, N. Y. Pictures, illustrations, etc. 854
- 87. Keith, Dora Wheeler, New York. Books and illustrations, etc. 854
- 88. Morse, Miss Alice, Brooklyn, N. Y. Book covers. 854
- 89. Nicholls, Rhoda H., New York. Book illustrations. 854
- 90. Sheldon, M. A., New York. Book covers. 854
- 91. Sherwood, Mrs. Arthur, New Rochelle, N. Y. Book illustrations, etc. 854
- 92. Stimers, Miss Julia, New Brighton, N. Y. Specimens of lithography. 854
- 93. Van Rensselaer, Mrs. J. K., New York. Book cover. 854
- 94. Walker, Miss M., New York. Illustration. 854
- 95. Whitman, Sarah W., Boston. Book covers. 854

WOMAN'S BUILDING.

GROUP 151.

Instruments of Precision, Experiment,
Research and Photography.

Photographs.

96. Bessey, Miss, New York. Photo-
graphs of badges. 871

GROUP 152.

Civil Engineering, Public Works, Con-
structive Architecture.

97. Keith, Dora Wheeler, New York.
Design for ceiling. 889
98. Tillinghast, Miss Mary, New York.
Architectural drawings. 889

Keppel Collection of Engravings, Etchings, Etc.

The aim of the present exhibition is to show, so far as space permits, what has been done by women engravers during the last three centuries. It has been gathered together with much care and owes its interest largely to the kindness of several collectors of Europe and America and, in the case of modern work, to the hearty co-operation of the artists themselves.

Owing to the limitations of space it has been found impossible, even were it desirable, to represent all who have of late years, worked with the etching needle, but sufficient is shown to exemplify the schools of France, England and America at their best.

Until comparatively recent years a woman engraver was the exception and though we find scattered through the three hundred years that have elapsed since the birth of the art, a fair number of women who have distinguished themselves in engraving, they are there rather through the force of their own individuality than from any general tendency toward a recognition of the equality of the sexes.

Doubtless strong opposition was at first to be overcome, but prejudice has lessened year by year until now the pictures by women are admitted to our public exhibitions on exactly the same basis as those executed by men, solely on their merits.

It is on this footing that the present exhibition should be judged.

In America not only have women established their right to an equal hearing with their male co-workers in the graphic arts, but in etching they can lay claim to at least three whose rank is of the highest, while in the field of wood engraving such good work has been done that it seems impossible for technical excellence to surpass it.

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| <p>Ghisi, Diana, Italy, 1535.
Born in Mantua. Her plates date from 1581-1588. Engraved chiefly after Raphael, Tuccari and Giulio Romano. Her father and brother were also engravers.</p> <p>1. The Woman Accused Before Christ. (Line engraving after Giulio Romano. First State.)
Marie de Medicis, Queen of France. Born 1573.
Wife of King Henry IV, of France, Regent of France after his death; was afterwards imprisoned by Cardinal Richelieu.</p> <p>2. Bust of a Young Woman. This wood cut is extremely rare.
Roghman, Gertrude. Holland, 1590.
Engraved some plates after his father, Roeland Roghman. Executed about twenty plates in all. Died about 1640.</p> <p>3. View of Slotterdyck. (Original etching.)
Stella, Claudine. France, 1634.
Daughter of the engraver, Jacob Stella.</p> <p>4. Christ before Pilate. (Line engraving after Nicolas Poussin.)
Sirani, Elisabetta. Italy, 1638.
Pupil of her father, Giovanni Sirani. She was poisoned by her servant in 1665, but had already made for herself a famous name.</p> | <p>5. Madonna and Child with an Angel. (Original etching.)
Sandrart, Anna. Germany, 1658.
Born in Nuremberg, pupil of her father, Jacob von Sandrart.</p> <p>6. Line Engraving after Raphael's Fresco in the Farnesina Palace.</p> <p>7. The same after the same.
Del Pò, Teresa. Italy about 1660.
Daughter of Pietro del Pò. She painted in oil and in miniature. Engraved so much in the style of her father that it is difficult to distinguish their works. She was a member of the Academy of St. Luke, at Rome, and died at Naples in 1716. She executed about twenty plates.</p> <p>8. Allegory in Honor of Philip IV of Spain. (Original line engraving.)
Deveux, Thérèse. France, about 1720.
Worked during the middle of the eighteenth century.</p> <p>9. L'Abbé de la Caille. (After M^{lle} Le Jenneus.)
Kauffman, Angelica. Switzerland, 1741.
Worked chiefly in England, where she was highly esteemed, and upon the founding of the Royal Academy in 1768 was elected one of the original thirty-six members. Died in 1807. Many of Bartolozzi's best plates were after her paintings. They were much esteemed by other engravers also.</p> |
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KEPPEL COLLECTION OF ENGRAVINGS, ETCHINGS, ETC.

10. Hope. (Original etching.)
11. Girl Leaning Against a Rock. (Original etching finished in aquatint.)
12. Girl Plaiting Her Hair. (Original etching finished in aquatint.)
13. Venus with the Corpse of Adonis. (Etching finished in aquatint after Annibal Carracci.)
- Prestel, Catharina. Germany, 1744.**
She was the pupil and afterwards the wife of Johann Amadeus Prestel, whom she aided in some of his best plates, especially in landscape. In 1786 she separated from him and came to London, where she died in 1794. She executed 73 plates after Italian, Dutch and German masters.
14. Landscape with Castle. (Aquatint after Teners the Older.)
15. View in Switzerland. (Aquatint after J. Wynants.)
- Cosway, Maria. England, 1745.**
Her husband was Richard Cosway, the famous English miniature painter. Her maiden name was Hadfield. She was of Irish parentage, but was born at Leghorn.
16. Portrait of herself and her husband. (Original etching.)
17. Grief. (Etching after Richard Cosway.)
- Deny, Jeanne. France, about 1750.**
She, with her brother, executed a series of illustrations to the works of Voltaire and Lafontaine.
18. A Ruined Tower. (Original etching, dated 1770.)
19. Allegorical Subject. (Etching after Monnet.)
- Ellis, Elizabeth. England about 1750.**
Sister-in-law of William Woollett, the famous landscape engraver.
20. A Farm-yard. (Etching after William Woollett.)
- Watson, Caroline. England, about 1760.**
Worked both in mezzotint and stipple. Pupil of her father, James Watson. In 1785 she was appointed engraver Royal by Queen Caroline, and died June 10, 1814.
21. Madonna and Child. (Stipple engraving after Raphael. Proof. From the Earl of Hardwicke's collection.)
22. Infancy of Shakespere. (Stipple engraving after Sir Joshua Reynolds.)
23. Portrait of William Woollett. (Stipple engraving after Gilbert Stuart.) Proof.
- Carey, Regine. France, about 1770.**
24. Landscape with Cattle. (Aquatint printed in colors after Rosa di Tivoli.)
- Holbein, Theresa. Germany, about 1790.**
Born in Gratz. Removed in 1814 to Vienna. She engraved about 30 plates, embracing both original landscapes and copies after various masters.
25. Landscape with a River. (Original etching.)
- Riollet, Mlle. C. France, 1798.**
Married Beunarlet, the engraver.
26. La Fecondite. (Line engraving after Reubens.)

- 26a. The Rich Man and Lazarus. (Line engraving after Teniers.) - **Piotti, Caterina. Italy, 1800.**
27. Queen Semiramis. (Line engraving after Guercino.) This beautiful engraving won the gold medal of the Academy of Milan in 1830.
Bozzolini, Matilde. Italy, 1811.
Born at Florence, engraved only a few plates.
28. Portrait of Gaetano Filangieri. (Line engraving after Tofanelli.)
Turner, Mrs. Dawson. England, about 1820.
29. Portrait of Granville Sharpe. (Original etching.)
Perfetti, Elena. Italy, about 1830.
Wife of the engraver, Perfetti.
30. Hope. (Line engraving after Carlo Dolci.)
31. The Last Judgment. (Line engraving after Fra Angelico.)
Lady Hume. England, about 1830.
Wife of Sir Abraham Hume.
32. Rembrandt's Mill. Maberly pronounces this to be a wonderfully fine copy of Rembrandt's famous etching.
O'Connell, Madame F. Germany, 1835.
Her work was done in Paris.
33. A Cavalier. Period of Louis XIII. (Original etching.)

ETCHINGS AND DRY POINTS BY
ARTISTS NOW LIVING.
FRENCH SCHOOL.

- Abbema, Mlle. Louise.**
34. Portrait of the painter, Carolus Duran. (Original dry point.)
35. Portrait of Charles Garnier, Architect of the Paris Opera House. (Original dry point.)
- Paulier, Madame C.**
36. Head of a Woman. (Etching after J. J. Henner.)
37. Woman Reclining. (Etching after J. J. Henner.)
38. Saint Sebastian. (Etching after J. J. Henner.)
39. Lady Hamilton. (Etching after Geo Romney.)
- Formstecher, Mlle. Helene.**
40. Hunting the Hare. (Etching after Jules Gelibert.)
41. High and Dry, Vessels at Low Tide.
Bracquemond, Madam Marie.
Painter and etcher, wife of the eminent etcher, Felix Bracquemond.
42. Portrait of Madam Beraldi. (Original etching.)
43. Portrait of Monsieur Geffroy. (Original etching.)
- D'Abbeville, M'lle Isabelle.**
Pupil of Maxime Lalaune.
44. Head with a Fur Cap. (Etching after Bosso.)
- Testard, M'lle Pauline.**
45. Landscape. (Etching after Corot.)
46. Landscape. (Etching after Corot.)
Teyssonnières, M'lle Mathilde (Madam Bertrand).
Daughter and pupil of Pierre Teyssonnières, the famous etcher.

WOMAN'S BUILDING.

47. A Reverie. (Etching after Feyen Perrin.) This plate won a diploma of honorable mention at the Paris Salon and was also shown at the Exposition.
48. The Haymaker. (Etching after Feyen Perrin.)
Poynot, M'lle Gabrielle.
A pupil of the famous etcher, Waltner; has executed a number of plates after Laurens, Benner, Henner and others.
49. A Young Creole. (Etching after Henner.)

LITHOGRAPHS BY ARTISTS NOW LIVING. FRENCH SCHOOL.

- Bonheur, M'lle Rosa.**
Born 1822. The eminent painter of animals.
50. Head of a Lioness. (Original lithograph with fac-simile of a letter by the artist.)
51. Head of a Young Bull. (Original lithograph.)
52. Spanish Cattle. (Original lithograph; early proof bearing the artist's written directions to her printer.)

ETCHINGS AND DRY POINTS BY ARTISTS NOW LIVING. ENGLISH SCHOOL.

- Nichols, Miss C. M.**
Fellow of the Royal Society of Painter-Etchers, London. The paintings of Miss Catherine Nichols are well known to those who visit the exhibitions at the Royal Academy, London. Her plates are done in pure dry point and are vigorous presentations of English landscape or architecture. She is also a writer of high merit.
53. Amidst the Pines. (Original dry point.)
54. The Stranger's Hall, Norwich, England. (Original dry point.)
55. Fir Trees, Crown Point. (Original dry point.)
56. "O'er Moor and Fen." (Original dry point.)
Gleichen, The Countess Feodora.
A relative by marriage of Queen Victoria.
57. In the Church. (Original etching.)
58. Peasant Woman. (Original etching.)
Halle, Miss Elinor.
59. A Woodcutter. (Original etching.)
60. The Shepherds. (Original etching.)
Hamilton, Mrs. L. Vereker.
61. The Harvesters. (Original etching.)
62. Study of a Peasant Girl's Head. (Original etching.)
Harrison, Miss S. C.
63. Study of a Head. (Original etching.)
Kemp, Miss Emily G.
64. Study After Vandyck. (Etching.)
65. The Coming Storm. (Original etching.)
Roberts, Miss K. May.
66. Portrait of a Man. (Original etching.)
67. Prayer for the Dead. (Original etching.)
Thompson, Miss L. Beatrice.
68. Portrait of an Old Man. (Original etching.)
69. A Shrine in Brittany. (Original etching.)

AMERICAN SCHOOL.

- Canby, Miss Louise Prescott, Philadelphia.**
70. Sunset. (Original etching.)
71. In the Harbor of Oswego. (Original etching.)
Cassatt, Miss Mary.
Born in Pittsburg, Pa., resides in Paris. One of the two large fresco paintings which decorate the Woman's Building is the work of Miss Cassatt.
72. A Lady at a Tea Table. (Original dry point.)
73. Portrait of a Lady. (Original dry point.)
74. A French Peasant Woman with a Child. (Original dry point.)
75. A French Peasant Woman with a Parrot. (Original dry point.)
Clements, Miss Gabrielle D., Philadelphia.
76. Mount St. Michel. (Original etching.)
77. The Way of St. Francis, Chartres. (Original etching.)
Dillaye, Miss Blanche, Philadelphia.
78. Mist on the Cornish Coast. (Original etching.)
79. Early Morning, Dordrecht Canal. (Original etching.)
80. Sardine Wharf, Eastport. (Original etching.)
Farrell, Miss K. Levin, Philadelphia.
81. South Dartmouth Wharf. (Original etching.)
82. Springtime of Love. (Etching after Paul Thumann.)
Ferris, Miss May E., Philadelphia.
83. Waiting. (Original etching.)
Getchell, Mrs. Edith Loring, Worcester, Mass.
84. Moonrise. (Etching after Ross Turner.)
85. Old South Church. (Original etching.)
86. The Road to the Beach. (Original etching.)
"Another attractive work is 'The Road to the Beach,' at Nonquit, Massachusetts, which was exhibited at the Paris Salon. It is very simple in theme—merely a stretch of low coast land with a few scattered shrubs and a wide road stretching away toward the slightly-lifted horizon line. But a great deal has been told for this simplicity. The very spirit of such a scene is caught and given. Even without the title we should know that there was salt in the air and the sea at the end of the road." (Mrs. Schuyler van Rensselaer.)
- Hale, Miss E. D., Philadelphia.**
87. Study of a Head. (Original-dry point.)
88. Study of a Head. (Original dry point.)
Lloyd, Miss H. H., Philadelphia.
89. A River Meadow. (Original etching.)
90. The River. (Original etching.)
Matlack, Miss E., Philadelphia.
91. A Winter Morning. (Original etching.)
92. A New England Orchard. (Original etching.)
McLaughlin, Miss M. Louise, Cincinnati.
93. Woodland Scene. (Original etching.)
94. Head of a Girl. (Original dry point.)

KEPPEL COLLECTION OF ENGRAVINGS, ETCHINGS, ETC.

- Merritt, Miss Anna Lee.
"Her work is essentially English in flavor, delicate and pleasing."—Mrs. Schuyler van Rensselaer, in *American Etchers*.
95. Ophelia. (Original etching.)
- Moran, Mrs Emily K., Philadelphia.
96. Long Beach, York Harbor. (Original etching.)
97. The Road to the Farm. (Original etching.)
- Moran, Mrs. Mary Nimmo, New York.
"Mrs. Thomas Moran is as yet the only woman who is a member of the New York Etching Club, and no name stands higher on its roll. Her work would never reveal her sex. It is, above all things, direct, emphatic, bold—exceeding in these qualities, perhaps, that of any of her male co-workers."—*The Century Magazine*. "The Goose Pond" was the etching which procured Mrs. Moran's election to membership in the London Royal Society of Painter-Etchers.
98. Summer at East Hampton, Long Island. (Original etching.)
99. The Goose Pond, Long Island. (Original etching.)
- Natt, Miss Phœbe Davis, Philadelphia.
100. Dona Nobis Pacem. (Original etching.)
101. The Child Musician. (Original etching.)
- Oakford, Miss Ellen, Englewood, N. J.
102. Twilight. (Original etching.)
103. Yale Campus, Winter. (Original etching.)
- Osborne, Miss H. Frances, Salem, Mass.
104. Chestnut Street, Salem, Mass. (Original etching.)
105. Solitude. (Original etching.)
106. View from Derby Wharf, Salem. (Original etching.)
- Penman, Miss Edith, New York.
107. An Orchard Pasture. (Original etching.)
108. Winter. (Original etching.)
- Taylor, Miss M. M., Philadelphia.
109. On Nantucket Island. (Original etching.)
110. Winter. (Original etching.)
111. The Hazy Mist. (Original etching.)

WOOD ENGRAVINGS BY CONTEMPORARY AMERICAN ARTISTS.

- Beyer, Miss Clara, Brooklyn, N. Y.
112. Landscape. (After George Inness.)
113. The Knitter. (After Henri Lerolle.)
- Comstock, Mrs. Anna B.
The Cherry Blossoms Give a High Tea. (Original.)
114. Butterfly. (Original.)
115. Butterflies. (Original.)
116. Butterflies. (Original.)
117. Butterflies. (Original.)
- Cooper, Miss Edith, New York.
Member of the Society of American Wood Engravers, to which was awarded the gold medal at the Paris Exposition for excellence of work exhibited.
118. White Birches. (After Miller.)
119. Springtime of Love. (After Paul Thumann.)
120. Garrison Defilant avec les Honeurs de Guerre-Disle, 1708. (After Gow.) Done for General Hawkins' report of the American Section of the Paris Exposition.
- Curtis, Miss K. R., Bergen Point, N. J.
121. Black to Play. (After R. M.)
122. A Fair Swede. (Original.)
123. An English Pasture. (After T. Baker.)
124. Autumn Leaves. (After Vicat Coles.)
- Naylor, Miss J. A., New York.
125. Winchester Cathedral—the Choir and Presbytery. (After Joseph Pennell.)
126. Zaltieri, Venice. (After Otto Bacher.)
- Naylor, Miss O., New York.
127. Sheep. (After Doring.)
128. Winchester Cathedral—South aisle of retro choir. (After Joseph Pennell.)
- Powell, Miss C. A., Trenton, N. J.
Member of the Society of American Wood Engravers.
129. Gorilla. (After Frémiet.)
130. A Bit of Sunshine. (Original.)
131. The Resurrection. (After John La Farge.)
- Underhill, Miss M. J., New Rochelle, N. Y.
132. Lord Baltimore. (After an engraving by Abraham Blothing.)
133. Old Houses on the Liffy. (After Joseph Pennell.)
- Waldeyer, Mrs. A., New York.
134. Dance of the Serpent Stars. (After Taber.)
135. Tolstoi at Home. (After Repin.)
136. Japanese Girl. (After John La Farge.)
137. A Young Artist. (After A. Kobbe.)
138. Interior of St. Peters, Rome. F. Hopkinson Smith.)

List of Societies in the Room for Organizations:

Association for Advancement of Women, Boston.	National Council of Women, Indianapolis, Ind.
Associated Collegiate Alumnae, Washington, D. C.	National Deaconesses Conference, Chicago.
American Society of Authors, Brooklyn, N. Y.	New York Ass'n of Working Girls, New York.
Chicago Woman's Club, Chicago.	Nebraska Ceramic Club, Omaha, Neb.
Columbian Ass'n of Housekeepers, Chicago.	Non-Partisan Woman's Christian Ass'n, Washington, D. C.
Catholic Benevolent Society, Salamanca, N. Y.	Order of the Eastern Star, Chicago.
Emma Willard Pioneer Seminary, Ill.	Promotion of Physical Culture, Chicago.
Federation of Clubs, Orange, N. J.	P. E. O. Sisterhood, Nelson, Neb.
Girls' Mutual Benefit Club, Chicago.	Shut-in Society, Millersville, Pa.
Girls' Friendly Society, New York.	South End Flower Mission, Chicago.
Gunter Indian School, India.	The Needlework Guild, New York.
Home of Our Merciful Saviour, Philadelphia.	Unitarian Board of Missions, Chicago.
Helmuth College, London, Ont.	Woman's Columbian Club, Wichita, Kas.
Home of Our Merciful Saviour for Crippled Children, Philadelphia.	Woman's Education and Industrial Ass'n, Boston.
International Committee Young Women's Christian Ass'n, Chicago.	Woman's Branch of the Congress Auxiliaries, Chicago.
International Board Young Woman's Christian Ass'n, St. Louis.	Women's Christian Temperance Union, Chicago.
Industrial Foreign Missions, M. E. Church, Evanston, Ill.	Woman's Board of Missions, Congregational, Boston.
Industrial College of Mississippi, Columbus, Miss.	Woman's National Indian Ass'n, Philadelphia.
Kings Daughters, New York.	Woman's Board of the Interior, Chicago.
Lasell Seminary, Auburndale, Mass.	Woman's Presbyterian Board of Missions, Chicago.
Ladies' Hermitage Ass'n, Nashville, Tenn.	Woman's National Press Federation, Washington, D. C.
L'Union des Femmes de France, Paris, France.	Woman's Home Missions, M. E. Church, Evanston, Ill.
Mary Washington Statue, Chicago.	Woman's Work for Woman, Chicago.
Monticello Seminary, Godfrey, Ill.	Woman's Club of Milwaukee, Wis.
National Science Club, Oberlin, Ohio.	Woman's Relief Corps, Kansas.

CAPE OF GOOD HOPE.

DEPT. B.—HORTICULTURE.

GROUP 22.

- | | |
|--|-----|
| 1. Wild grasses. | 165 |
| 2. Pressed wild flowers on plates; water colors of Cape Flora. | 169 |

DEPT. H.—MANUFACTURES.

GROUP 90.

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|-----------|-----|
| 3. Table. | 566 |
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GROUP 91.

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|--------------------------------------|-----|
| 4. Kaffir pottery and native dishes. | 574 |
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GROUP 93.

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| 5. Brass repoussé bellows, blotter and brush backs. | 585 |
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GROUP 96.

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| 6. Piano back. | 598 |
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GROUP 97.

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|--------------------------|-----|
| 7. Silver filigree work. | 607 |
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GROUP 98.

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| 8. Kaffir necklaces and bangles; gold filigree work. | 612 |
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GROUP 100.

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|------------------------|-----|
| 9. Silk handkerchiefs. | 630 |
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GROUP 104.

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|---|-----|
| 10. Figures of Bushmen in full dress. Kaffir mantle, apron and belts; Mosuto woman's dress. | 653 |
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|-------------------------|-----|
| 11. Malay hat. | 654 |
| 12. Malay wooden shoes. | 656 |

GROUP 105.

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|---------------------------------------|-----|
| 13. Wild skin rugs and sleeping mats. | 661 |
| 14. Kaffir skin caps. | 662 |

GROUP 106.

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|---|-----|
| 15. Embroidery, pin-cushion, table-cloth, doilies and Kaffir handkerchiefs. | 665 |
| 16. Oriental embroidery. | 669 |
| 17. Framed screen tapestry. | 670 |

GROUP 108.

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| 18. Fish scale, floral, leather and Kaffir baskets. | 680 |
| 19. Kaffir sticks. | 681 |

GROUP 110.

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|---|-----|
| 20. Fish scale work, wall brackets, tea cozy, painted ostrich eggs, work by Basuto-land children, Kaffir feather curios and beadwork. | 695 |
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GROUP 111.

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| 21. Painted leather screens. | 705 |
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GROUP 115.

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| 22. Kaffir brooms. | 730 |
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DEPT. L.—LIBERAL ARTS.

GROUP 158.

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|---------------------------------|--|
| 23. Kaffir musical instruments. | |
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GREAT BRITAIN.

GROUP 172.

WOMAN'S WORK.

Education.

President: Mrs. Fawcett.

Misses Buss, Julia Cock, Davenport, Hill, Gurney, Todd, Kingsley, F. Stevenson and L. Stevenson.

ENGLAND.

Colleges.

1. Bedford College, London. Views of college and students acting.
2. Girton College, Cambridge. Architect's drawing and views; Anglo-Saxon pottery found in the garden at Girton.
3. Lady Margaret Hall, Oxford. Group of students.
4. Newnham College, Cambridge. Views of buildings, students' rooms, students, and staff.
5. Royal Holloway College, Egham, Surrey. Views of the buildings.
6. Somerville Hall, Oxford. Views of buildings, rooms and students.
7. University College, Nottingham.
8. Westfield College, London.

Medical Education.

9. Clapham Maternity Hospital. Photograph of ward.
10. London School of Medicine for Women. Groups of students.
11. New Hospital for Women. Drawings of college; photographs of medical staff.
12. Royal Free Hospital. Photographs of building.

Schools.

13. Ladies' College, Cheltenham. Photographs; college magazines.
14. North London Collegiate School for Girls. Views of buildings, magazines, reports, etc.
15. Princess Helena College, Ealing, London. Views of buildings and students.

Girls' Public Day School Company, Ltd.

16. Blackheath High School. Photographs, specimens of work, etc.
17. Harrow Music School. Examination papers and publications.
18. Sheffield High School. Drawings, specimens of work, school magazines, etc.
19. York High School. Photographs of pupils acting, drawings and magazines.

Inventions Bearing on Education.

20. Mrs. Ayrton's line-divider; Miss A. Gregory's geodoscope; Mrs. Mitford's puzzle alphabet; Miss Kerr's skeleton celestial globe; Miss Huddleston's "Theoria Harmonica;" Miss Linscott's invention for teaching notation; Miss A.

Osborne Moore's philograph; Miss Constance Barnard's kindergarten loom; Miss Constance Barnard's script letters; Miss Lambert's paragon needlework apparatus; Mrs. Jessie Farwell's geographical cards; Miss Croad's arithmetron.

Portraits.

21. Tripos Students, Newnham College, Cambridge; graduates of London University; pupils of North London Collegiate School; first woman M. A. of London University and her sister; first nine women graduates of the Royal University, Ireland; graduates of London University; North London Collegiate Schools for Girls; graduates of London University; Ladies' College, Cheltenham, etc.

IRELAND.

Official Educational Systems for Both Sexes.

22. Report and rules of Board of National Education; report of the Board of Intermediate Education; report of the Royal University of Ireland.

Colleges Founded by Men, to Which Women Have Been from Time to Time Admitted.

23. Queen's College, Belfast. Royal College of Surgeons, Dublin; Royal College of Physicians; Royal College of Science, Dublin; Magee College, Londonderry; Methodist College, and the McArthur Hall for Women, Belfast.

Colleges Founded by Women, for Women.

24. Alexandra College, Dublin. Portrait of founder; view of college; calendars; historical sketch.
 25. Victoria College, Belfast. Portrait of founder; photograph of college, students and teachers; magazine; prospectus, etc.
- Schools Founded and Carried On by Women, Giving Advanced Education.

26. Ladies' Collegiate School, Londonderry. Strand House school, Londonderry; Alexandra School, Carrickfergus, photographic group of pupils and teachers and reports of Alexandra School, Carrickfergus, and sketch of the Alexandra School, Dublin, in connection with Alexandra College.

27. School reports from high school for girls, Cork; Wellington Park, Belfast; Seatown Place, Dundalk; Portadown; Rutland Place, Dublin; Moravian Schools, Gracehill; Cookstown; Coleraine; Dungannon; Russell street, Armagh; Princess Gardens, Belfast; Oriel College, University Square; Osborne Park; Sullivan Schools, Holywood; Intermediate School, Newry, and Warrenpoint.

WOMAN'S BUILDING.

Special Schools.

28. **Rochelle Schools, Cork.** Photograph of school, historical sketch, etc.

School Belonging to the Society of Friends.

29. **Girls' Advanced School, Mountmellick.** Agricultural School, Brookfield; Brookfield School; Lisburn School; Clergy Daughters' School, Dublin; Female Masonic School, Dublin, and Training College, Dublin.

Miscellaneous.

30. Report of the Irish Schoolmistress' Association for 1890; memorial of the Council of Trinity College, Dublin, and comparative summary of Intermediate Examinations of 1892.

SCOTLAND.

Edinburgh School Board.

31. Photographs of schools; time tables; Edinburg Royal High School, founded early in the twelfth century; Sciennes Public School; London Street Public School, and Torphelian Street Public School.

Edinburgh Medical Education.

32. **Edinburgh School of Medicine for Women.** Photographs of buildings and students; reports, etc.
33. **Scottish Association for the Medical Education of Women.** Photographs and reports.

Glasgow School Board.

34. Complete plans of school; photographs; prospectuses; reports; maps; drawings illustrative of standard work.

Glasgow Medical Education.

35. **Queen Margaret's College.** Photographs and calendar.

FINE ARTS.

Pictures Sent by Her Majesty and the Royal Family.

36. Six original sketches from nature, contained in one frame, by H. M. the Queen.
37. Views from the Queen's room at Balmoral, in snow, November 12, 1880.
38. View from another window, also at Balmoral, November 18, 1878.
39. Pug belonging to Prince Henry of Battenberg, drawn by the Queen in the railway, June 24, 1886.
40. "Spot," the Queen's fox terrier, January 25, 1891.
41. View at Aix-les-Bains, from Tresserve.
42. View from the Queen's sitting-room at Balmoral in autumn, 1878.
43. Copy in water-colors from an oil painting, size of life, of H. M. the Queen's Munshi and Indian secretary, Abd-ul Karim, 1892, by H. M. the Queen.
44. Two pictures in oil, by H. R. H. Princess Christian of Schleswig-Holstein.

45. Study from nature in water-colors, by H. R. H. Princess Louise (Marchioness of Lorne).
46. A picture by H. R. H. Princess Beatrice (Princess Henry of Battenberg).
47. "Old Sussex College," Mrs. Allingham.
48. "To the Front" (French cavalry leaving a Breton town on declaration of war), Lady Butler.
49. "Hastings," Madame Bodichon (The Founder of Girton).
50. "Portrait of a Baby," Miss Alice Grant.
51. "An English Maiden," Mrs. Jopling-Rowe.
52. "Pallazzo Rezzonice, Regatta Day" (Browning's palace, Venice), Miss Clara Montalba.
53. "A Market Woman, Dortrecht," Miss Hilda Montalba.
54. "On the Riviera," Miss Ellen Montalba.
55. "Dolly's Ball Dress," Mrs. Perugini.
56. "Eurydice Sinking Into Hades," Miss Henrietta Rae.
57. "The End of the Hop-harvest, Kent," Miss Steward Wood.

Handicrafts.

President: Lady Roberts.

- Mrs. Jack Johnson, Miss Helen Blackburn, Miss Webster and Miss C. Holden.
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.
59. **H. R. H. The Princess of Wales.** Corner chair of carved oak and cut and embossed cowhide.
60. **H. R. H. Princess Helena (Princess Christain of Schleswig-Holstein).** Embroidery on linen; knitted jersey.
61. **H. R. H. Princess Victoria of Wales.** Music stool of carved oak and cut and embossed cowhide.
62. **H. R. H. Princess Maude of Wales.** Stool of carved oak in cut and embossed cowhide.

Bookbinding and Covering.

63. **Bayly, Miss Helen.** Shakespeare, bound in cut leather.
64. **Birkenwith, Miss, London.** Books bound and tooled.
65. **Brownlow, Mrs. Harry, Cambridge.** Embroidered book covers.
66. **Firth, Miss Susanna.** Books bound in cut and tooled leather.
67. **Nichols, Miss.** Bindings in various leathers.
68. **Noedel, Miss Charlotte, Superintendent of H. R. R. the Princess of Wales' Technical School, Sandringham.** Blotter of oak, with panel of cut embossed enameled cowhide over silver.
69. **Prideaux, Miss S. T., London.** Embroidered velvet and leather bindings.
70. **Royal School of Art Needle Work, London.** Books bound in vellum, illuminated.

Illustrations for Books.

71. **Bradley, Miss Gertrude A., Birmingham.** Illustrations for fairy tales.

GREAT BRITAIN.

72. Canton, Miss S. R., Bloomsbury. Black and white illustrations; magazine cover.
73. Dicksee, Miss Margaret, Bloomsbury. Black and white illustrations.
74. Greenaway, Miss Kate, London. Four drawings for illustration to book of "Children's Games."
75. Pocock, Miss Julia, London. "Enoch Arden," illustrated.
76. Whipple, Miss Amy, Devonport. Water-color illustrations of Hood's poem, "Flowers."
77. Wyatt, Miss K. M., Bloomsbury. Magazine cover.

Cameos.

78. Astbury, Mrs. W. Spencer, Tunbridge Wells. Female head; portrait of Cardinal Newman.
79. Pocock, Miss Julia, London. Cameo shell; Queen's jubilee coinage.

Carvings in Wood.

80. Barr, Miss Lizzie, East Grinstead. Sideboard, style of reign of James I.
81. Dobbings, Miss Lucie A., Leeds. Table of Swedish sloyd carving.
82. Eliot, Mrs. C. T., Coventry. Old English eight-day clock.
83. Elont, Miss, Belford. Walnut dresser seventeenth century.
84. Heath, Miss Maud A., Tunbridge. Frames with painting.
85. Packer, Miss Elizabeth, London. Oak columns.
86. Reeks, Miss Maria E., London. Mirror frame, 16th century.
87. Royal Normal College & Academy for the Blind, London. Models in woodwork by the Anglo-American sloyd carvers.
88. Tankerville, Countess of, Belford. Buffet and dresser after the Flemish.
89. Wilkinson, Miss Gladys. Carved and gilt frame.
90. Williams, Miss Constance, London. Oak mirror, 16th century.

In Ivory.

91. Tankerville, Countess of, Belford. Fan handle, plaques for note or card-case.

In Stone.

92. Bonham, Miss Agnes, South Norwood Hill. Photographs of reredos in St. John's church, Norwood, carved by herself.

Chromo Lithography.

93. Chromo-Lithographic Studio, London. Birds, heads, and figure subjects.

Designs.

94. Aumonier, Miss Louise, Ballinger. For wall papers.
95. Betts, Miss Lily M., London. For wall paper, frieze or embroidery.
96. Bradley, Miss Gertrude, Birmingham. Colored, of "Fox and Geese."
97. France, Miss Georgia Cave, Tysley. For wall paper, showing repeats.
98. Gemmell, Miss Mary, London. For wall papers.
99. Murray, Miss E. Emily, London. For china tea service.

100. Murray, Miss Nina, Scarborough. Designs.
101. Parker, Miss Violet M., Edgbaston. For wall paper.
102. Prochantza, Baroness Pauline, Kilkenny. For frieze.

Etchings and Fashion Plates.

103. Martyn, Miss E. K., London. Illustrations to Christabel.
104. Parker, Miss Violet M., Edgbaston. Finger plates mounted.
105. Piper, Miss Elizabeth, London. "The Chelsea homes of Carlyle, Rosetti, Turner and George Eliot;" "Westminster Abbey;" "The Spinning Wheel."
106. Young, Miss Lilian, London. Fashion drawings in wash and line.
107. Young, Miss Maggie, London. Fashion drawings in wash.

Fan Painting.

108. Arding, Miss Helen, London. Gauze fan leaves.
109. Canton, Miss S. R., Bloomsbury. Fan.
110. Granville, Miss, Biarritz, France. Gauze fan leaves.
111. Horton, Miss G. E., Bloomsbury. Fan.
112. Jay, Miss Isabella, London. Fans copied from Turner's "Caligula Castle and Bridge," and "Approach to Venice."
113. Langford, Miss Alice, Bloomsbury. Watteau fan.
114. Manly, Miss Alice. Fan designed and painted by command of the Queen and presented by her to H. R. H. Princess Beatrice on her marriage.
115. O'Connor, Miss Evelyn, Southsea. Gauze fan.
116. Reid, Miss A. M., London. Fan in Pompeian style.
117. Vasey, Miss Clara, London. Gauze leaf, painted Cupids; fan, "All nations visiting the World's Fair."

Fly Tying.

118. Brocas, Mrs. Letitia, London. Artificial flies.

Gesso Duro.

119. Barker, Miss May, London. Decoration for piano front.
120. Barker, Miss May. Panels for pilasters.
121. Wylie, Mrs. C., London. "Twilight;" "The God of Love."

Glass, Stain and Enameled.

122. Casella, Miss Ella, Kensington. Enameled decanter and glasses.
123. Casella, Miss Nelia, Kensington. Enameled glass jar.
124. Newill, Miss Mary, Edgbaston. Cartoons for stained glass windows.

Goldsmiths' Work.

125. Brock-Hollinshead, Miss, Seaton. Tiaras, necklaces, hairpins, and pins of filigree.
126. Newman, Mrs., London. Necklaces, brooches, bracelets of gold, with enamel and precious stones.

WOMAN'S BUILDING.

127. Chart of Women's Progress in the British Isles, from 1857 to 1892 sent by the National Society for Women's Suffrage, London.

Illuminations.

128. Channer, Miss C. A., London. Triptych of MS., illuminated.

129. Lynch, Miss Agnes, London. Illuminations on vellum.

Handspun Linen.

130. Langdale Linen Industry, Langdale. Specimens of handspun and handwoven linen.

Leather Work.

131. Aluta, London. Embossed leather card and letter cases.

132. Bartlett, Miss, Liverpool. Blotting book and writing case in embossed leather.

133. Bassett, Miss M. A., Leighton Buzzard. Leather work.

134. Bayly, Miss Helen, Florence, Italy. Blotter, leather wallet and card cases.

135. Bowley, Mrs. Richard, London. Blotter and ladies' card-case in leather work.

136. Christie, Miss M., London. Embossed leather blotting book.

137. Firth, Miss Susannah, Kirby Lonsdale. Blotting book in embossed leather.

138. McClure, Mrs. Edmund, London. Ancient Cromwellian chair re-covered.

139. Ottman, Miss, Stonehaven, N. B. Game book with coat-of-arms.

140. Smith, Miss Sophia, Kirby Lonsdale. Screen panel.

141. Wetton, Miss Edith, London. Chair covered.

142. Wheatley, Dorothy Helena, London. Hall arm chair of embossed leather.

Mediums for Artists.

143. Turck, Miss E., London. Specimens of work done with Florentine tapestry and other mediums; Cheval screen with panels after an old tapestry.

Marqueterie.

144. Malet, Miss Mabel W., London. Writing set, boxes and photograph frames.

145. Working Ladies' Guild, London. Photograph frames, table, writing-desk, screen, etc.

Modeling.

146. Bradley, Miss Gertrude M., Birmingham. Panel illustrating "The Shoemaker and the Elves."

147. Brown, Miss Kate L., Birmingham. Designs for panels.

148. Canton, Miss S. R. Wax figure, "Fairy Godmother."

149. Casella, Misses Ella & Nelia, London. Colored wax bas-reliefs.

150. France, Miss Georgie Cave, Tysley. Panel and models for repousse silver work.

151. Giles, Miss Margaret, London. Design for plaster frieze "Floreat Flora."

152. Quesne Miss, Bloomsbury. Dancing figures.

Mosaics.

153. Hodge, Miss Alma, London. Mosaics.

Miniatures.

154. Grosvenor, Hon. Mrs. Norman, London. Case of miniatures.

155. Hamley, Miss Barbara M. Case of miniatures.

156. Harbutt, Mrs. Cambridge, Bath. Case of miniatures.

Painting on China.

157. Beane, Miss Elizabeth, Camberwell. Plaque, Royal arms of England.

158. Butterson, Miss Mary, London. Plaque (flowers).

159. Goodwin, Miss Ada E., Derby. Plaque of Roman designs.

160. Harbutt, Mrs. Cambridge, Bath. Paintings on china.

161. Harrison, Miss Emily. A Florentine poem.

162. Lewis, Miss Florence, London. Desert service (Scotch scenes and flowers).

163. Sansom, Miss Nellie, London. "Le Reveil;" a portrait; "Margaret."

164. Thatcher, Miss Euphemia, London. Panel (flowers).

165. Williamson, Mrs., London. Plaque ("Tears").

On Panels and Screens.

166. Elont, Miss, Belford. Screen, old Watteau pattern.

167. Spiers, Miss Charlotte, London. Panel painted tulips.

168. Tankerville, Countess of, Belford. Screen, old Watteau pattern.

169. Woolhouse, Miss Margaret, London. Screen with painted panels.

Patented Inventions.

170. Barron, Miss M. A., East Moulsey. Collapsible coal scuttle; combined dress stand and fire-escape.

171. Brown, Miss Mary, London. Portable washing copper.

172. Calverley, Mrs., Bewicke, London. Music folio and stand.

173. Claxton, Mrs. M. A., New Brighton. Combined table and book rack.

174. Dale, Mrs. M. A., Richmond. Folding mail-cart.

175. Garwood, Mrs. Invention to facilitate pouring from bottles.

176. Gladstone, Mrs. M. C., Bury St. Edmunds. Combined traveling trunk and wardrobe.

177. Grimes, Mrs. E., North Walsham. Protectors for fingers when sewing.

178. Hungerford, Miss M. S., Clonekilty, Ireland. Boot and gaiters, showing new method of lacing.

179. Impsey-Lovibond, Miss M. A., Ardleigh. Combined sealing wax holder and seal.

180. Jones, Mrs. S. E., Bangor, Wales. Hygienic egg boiler.

181. Kesteven, Mrs., Hampton Wick. Improved carving fork.

182. Mackie, Mrs., London. Clothes washer.

183. Malcolmson, Mrs. C. A., East Barnet. Expansible umbrella holder.

GREAT BRITAIN.

- 184. McCleverty, Mrs., Newnham-on-Severn. Combination skirt stand and table.
- 185. Parnell, Mrs., Barnston, Wallington. Drawings of inventions for extracting gold from base metal.
- 186. Peckover, Miss, London. Sanitary sink basket.
- 187. Phillippo, Mrs. M. D., London. Ear trumpet.
- 188. Seaton, Miss R., Sunbury-on-Thames. Cleats for holding ends of threads.
- 189. Stephenson, Miss R., London. Knee music stand.
- 190. Symonds, Mrs. S., Guernsey, I. M. Adjustable millinery stand.
- 191. Tenison, Mrs. F., London. Appliance for lifting hot plates.
- 192. Turk, Miss D. E., London. Specimens of painting on textiles.

Plan Tracing.

- 193. Long, Miss E. T., London. Specimens of plan tracing.

Photography.

- 194. Browne, Miss Frances, London. Portraits in photographic, sepia and Bartolozzi tint, and black and white.
- 195. Shand, Miss Alice M., London. "Rest."

Printing.

- 196. Women's Printing Society, Ltd., London. Specimens of type setting.

Pyrography or Poker Work.

- 197. Hope-Shorrock, Mrs. Samuel, Darwen. Three panels; photo frame, original design.
- 198. Working Ladies' Guild, London. Bureau, grotesque design; chest; folding table.

Repousse Work.

- 199. Bewicke, Mrs Calverley, London. Worked silver book cover; screen in pierced brass and copper with poker worked back.
- 200. Bray, Miss Laura, Shere. Plaque, "Lords and Ladies."
- 201. Brown, Miss Charlotte, Tunbridge Wells. Pair of bellows, brush and tray.
- 202. Evans, Miss Ada M., Witley. Brass tray, alms dish.
- 203. Mills, Miss Clara, Birmingham. Pair of bellows.
- 204. Rowley, Mrs., London. Silver sconces.
- 205. Walker, Miss Lillian, Birmingham. Bookcover and salver.

Sculpture in Marble, Terra Cotta, etc.

- 206. Bonham, Miss Agnes, South Norwood Hill. Photograph of reredos, in St. John's church, Norwood, carved by herself.
- 207. Ferguson, Miss, London. Marble bust, "Dorthea;" stone panel; marble column.
- 208. Moore, Miss Esther M., London. Bust in terra-cotta.

Straw-Plaiting and Basket Work.

- 209. Mansfield Girls' Institute, London. Baskets.
- 210. Wood, Miss G., Aldbury. Baskets.

Tiles.

- 211. Babb, Miss E. Charlotte, London. Enamel tile painting; angel.
- 212. Lewis, Miss E., London. Underglaze tile, frame.

Technical Education.

- 213. Technical Education for Women, London. Photographs of classes, certificates, cooking recipes, books, plans, manual and system of technical education in cookery, household sewing, home dress cutting and laundry work.

Upholstery.

- 214. Garrett, Miss Rhoda M., London. Hand-made carpet.
- 215. Malet, Miss Ethel, London. Coffershaped box.
- 216. Royal School of Art Needlework, London. Footstools; old Cromwellian chair; box, casket, etc.

Vernis-Martin.

- 217. Watson, Mrs. Douglas, London. Glove-box and handkerchief-box.

Wood-Engraving.

- 218. Blackburn, Miss Helen, London. Engraved wood block.
- 219. Society for Promoting the Employment of Women, London. Engravings of women.

Lace.

President: Duchess of Abercorn.

- Lady Clinton, Lady Ernestine Edgecumbe, Lady Susan Fortescue, Lady Iddlesleigh, Lady Kenmare, Lady Kenaway, Lady Susan Morley, Hon. Mrs. Marker, Hon. Mrs. Peek, Mrs. Bruce Clarke, Mrs Alfred Morrison, Mrs. Reeve and Miss Constance Hargrove.

English Hand-Made.

- 220. Bedfordshire. Hand-made pillow lace and Bedford lace.
- 221. Buckinghamshire. Black silk fan cover and edging, narrow baby lace, white edging, white insertion, handkerchief border and Maltese and old Buckinghamshire lace collected by Lady Buckinghamshire's Committee.
- 222. Devonshire. Honiton point fichu, handkerchief and fans with net filling, collected by Lady Iddlesleigh's Committee.
- 223. Handkerchiefs and lappets in Honiton guipure, trimming and flounces in Honiton point (Miss Radford, Sidmouth).
- 224. Specimens of Honiton guipure of various periods, to give idea of the alterations in style and workmanship in the last 100 years. (Mrs. Fowler Honiton.)
- 225. Specimens sent by Mrs. Herbert.
- 226. Specimens of reproductions of Italian laces from Beer (Lady Trevelyan).
- 227. Isle of Wight. Harriet Eldridge, Niton. Lace shawls, etc.
- 228. Northamptonshire. Laces (L. Stanton, Maidford).

Irish.

- 229. Lindsay, B. Applique, Royal Irish guipure, tambour, tating, hard and soft crochet, Irish point and antique point laces.

WOMAN'S BUILDING.

Literature.

- President:* Mrs. Gordon.
Mrs. Humphrey Ward, Mrs. Clifford, Mrs. Green, Miss Kingsley and Miss Gayford.
Publications by the English Royal Family.
230. Old and rare books by Dame Juliana Berners, Dame Gertrude More, Lady Packington, Mary Astell, Mrs. Latter, Mrs. Pilkington, Lady Morgan and O. Moreland.
231. Novels by 70 women authors.
232. Poetry by 34 women authors.
233. Juvenile books by 33 women authors.
234. Historical, biographical and miscellaneous works by 122 women authors.
235. Scientific and miscellaneous works by 27 women authors.
236. Pamphlets by 3 women authors.
237. Travels by 23 women authors.
238. Music by 9 women authors.

Needlework.

- Presidents:* Lady Henry Grosvenor and Lady Amherst of Hackney.
239. Allote, Miss L., Alford. Plush border, worked flowers.
240. Allsop, A. G., Manchester. Bedspread, art embroidery.
241. Anderson, Mary E., Grantham. D'oyleys, netting on linen.
242. Batt, Miss A., Witney. Embroidered baby shoes.
243. Bavin & Ormiston, Reading. Sofa cushion, stole.
244. Benn, Mrs., Windermere. Cushion cover.
245. Birkett, Miss, Windermere. Table center.
246. Birkett, Miss Jean, Windermere. Chair back.
247. Bolton, Mrs., Funchas, Isle of Madeira. Oriental table cloth.
248. Boxwell, Miss, London. Handkerchief sachet, crepe work.
249. Boxwell, Miss E., London. Cushion cover, copied from dress worn by aunt of Sir Walter Scott.
250. Brett-Jeffares, Miss L. W., Wexford, Ireland. Mountmelick quilt.
251. Brown, Miss C. M., Malvern. Cushion cover.
252. Buckle, Miss M., London. Cottage piano front.
253. Childs, Miss Amy, Wisbech. Baby robe.
254. Clarke, Miss M. A., Manchester. Embroidered mantel border.
255. Cope, Mrs., London. Copy Munich book cover, 14th century.
256. Courtenay, Mrs. S. C. London. Table center.
257. Crosthwait, Mrs. E., Funchas, Isle of Madeira. Cushion, panel of screen.
258. Davidson, Miss H. A., Castle Town, Isle of Man. Copy of old prayer-book cover.
259. Digby, Miss, London. Banner, Saint Cecilia.
260. Dillon, Mrs., Frome. Art embroidery.
261. Dixon, Miss J., Harrogate. Table center.
262. Dixon, Miss J. M., Harrogate. Portiere.

263. Elles, Miss M. C., Wimbledon. Embroidery.
264. Erskine, Mrs. Z., Warminster. Curtain, old design.
265. Ffennell, Miss, London. Embroidery and needle work.
266. Flegg, Miss C. M., King's Lynn. Nightdress; netted d'oyleys.
267. Froud, Miss M., Bournemouth. Silk pulpit hanging.
268. Garde, Miss H. M., Cheyne, Ireland. Feather sprays.
269. Gardner, Miss E. M., Ilfracombe. British moths; worked silks.
270. Garnett, Miss A., Windermere. Cushion cover; tea cloth.
271. Garnett, Miss W., Windermere. Mantel cloth.
272. Goslin, Miss, London. Tablecloth, crochet border.
273. Gowan, Miss, London. Cushion, photo-screen and mirror frame designed by H. R. H. Princess Louise; tablecloth; linen, etc.
274. Green, Miss Annie, Dewsbury. Eis wool shawl.
275. Hainsworth, Miss C. D., Harrogate. Nightdress, sachet and brush bag.
276. Halsham, Mrs. L., Leeds. Shepherd and sheep worked by Lady C. T. Clive, governess to H. M. the Queen.
277. Harris, Miss R., Ealing. Afternoon tea cloth.
278. Hayden, Mrs. W., Whitland, South Wales. Embroidered quilt; nightdress bags.
279. Henry, Miss J., Portobello. Highland stockings.
280. Herbert, Miss, Wadhurst. Knitted pincushion.
281. Hinton, Miss L., The Til, Maderia. Linen sofa back.
282. Holiday, Mrs. C., London. Embroidered portiere.
283. Huxley, Mrs. M., Chester. Virgin and Child and Good Shepherd, embroidered.
284. Innes, Mrs. Mitchell, Frome. Border for court train.
285. Irish Women's Work Society, Hollyrood, Ireland. Quilts; sheet and pillow shams; shamrock table center.
286. Jameson, Miss M. A., Kendal. Child's pinafore.
287. Kendall, Miss A. J., Penzance. Embroidered handkerchief.
288. Kennard, Miss, Blandford. Embroidered sofa cushion.
289. Kent, Miss, Salisbury. Design for altar frontal.
290. Keown, Miss, Coleraine, Ireland. Silk screen panel.
291. Kidd, Miss M. M., Perth. Knitted stockings.
292. Knight, Miss M., Chelsea. Patchwork scripture text quilt.
293. Lea, Mrs., Urmston. Linen photo frame.
294. Lucas, Miss A., Hutchin. Altar superfrontals; sofa back.
295. Macgregor, Miss I., London. Needlework done at widows' industrial class at Amritsar, Peshawur.

GREAT BRITAIN.

296. Macpherson, Miss L., London. Embroidered curtain.
297. MacRae, Miss S., Rothesay. Tartan hose.
298. Maples, Misses H. & E., Spalding. Fish scale embroidery.
299. Mercier, Mrs. J., Tewkesbury. Chemise, chalice veil, socks, towel and pillow case.
300. Miller, Mrs. W. F., Sidcot. Bed cover.
301. Mitford, Miss E. B., London. Green silk stole.
302. Molineaux, Misses, London. Baby shoes.
303. Morant, Miss L., Weymouth. Mounted worked fan.
304. Morris, Miss May, London. Coverlet for bed.
305. Newton, Miss I., Ireland. Curtain.
306. Nicholson, Mrs. A. J., Cork, Ireland. Linen quilt; portiere; couvrette.
307. Noble, Miss M. G., Hull. Patchwork quilt, 15,682 pieces.
308. Noedel, Miss, Sandringham. Aprons, overalls for artists; blouses.
309. Paget, Mrs. K. M., London. Copy of old Turkish and Ruskin linen embroidery.
310. Palmer, Misses Felise, Windsor. Cushion cover; children's smocks.
311. Parkinson, Miss M., Brighton. Coral embroidery.
312. Phelps, Miss A. J., Farringdon. Samples of darning.
313. Purvis, Miss, Salisbury. Stole; surplice.
314. Pye, Mrs. Walter, Stirling. Portiere; bodice trimmings.
315. Randall, Miss, Slough. Embroidered quilt.
316. Rigg, Miss M. B., London. Cushion.
317. Russell, Miss R., London. Worked pictures.
318. Saunders, Miss F. H., Baltinglass, Ireland. Sideboard cloth, Mountmellick work.
319. Saunders, Miss L., Baltinglass, Ireland. Toilet cover.
320. Scott, Miss A., London. Poker work.
321. Sharp, Miss C., Barnet. Knitted stockings.
322. Shepard, Miss A., London. D'oyleys; brackets.
323. Sheppard, Mrs., Surbiton. Strip for table.
324. Sherlock, Mrs., Castletown, Isle of Man. D'oyleys.
325. Smallwood, Miss, Great Malvern. Cushion.
326. Smith, Miss M. A., London. Chair backs, table cloth, fan and blotter.
327. Stone, Miss L., Streatham. Screen.
328. Superioress, Convent of Mercy, Abingdon. Hood of cope.
- 328a. Thompson, Miss, Lancaster. Tea cloth.
329. Thompson, Miss E., Lancaster. Netted bags.
- 329a. Tobin, Miss E. G., Cheshire. Copy of old christening quilt, etc.
330. Tracy, Miss J. F., Ipswich. Fish scale embroidery.
- 330a. Walker, Miss E., Robin Hood. The "Months," in needlework.
331. Walmsley, Miss A., Lucerne, Switzerland. Table cloth.
- 331a. Webster, Mrs., Edinburgh, Scotland. Tartan socks.
332. Webster, Mrs., Wemyss. Satin embroidery; design found on Queen Antoinette's tambour frame at Le Petit Trianon.
- 332a. Welch, Miss E., Canonbury. D'oyley.
333. Westrope, Miss M. E., Clifton. Table covers, melon seed work.
- 333a. Wheeler, Miss M., Bridgenorth. Table cover.
334. Whitehead, Mrs., Ramsgate. Tea cloth; d'oyley.
- 334a. Winks, Mrs. Foulkes, Brixton. Chemise, lace top.
335. Woodward, Miss E. C., London. Worked Bible cover.

Nursing.

President: Mrs. Bedford Fenwick.

Lady Jeune, Mrs. Priestley, Miss Emily Shaw-Lefevre, Miss Isla Stewart, Miss K. Hendie Close, Miss de Pledge, Mrs. Chandle, Miss S. Cartwright, Mrs. Walter Lakin, Miss Edith Kirwan-Ward, Miss Annesley Kenealy and Mrs. Holmes Spicer.

335a. Autograph portrait of Her Majesty, the Queen, patron of Queen Victoria's Jubilee Institute for Nurses; portrait of H. R. H. the late Grand Duchess of Hesse, Princess Alice of Great Britain and Ireland; portraits of H. R. H. Princess Christian of Schleswig-Holstein, Princess Helena of Great Britain and Ireland, President of the Royal British Nurses' Association.

336. Padded splints; bandages; surgical dressings and appliances; items of comfort for the sick.

336a. Hygienic clothing; dietary service for the sick; nurses' uniforms, caps and bonnets; gallery of celebrated nurses; medals, badges and decorations awarded to nurses; certificates of British nurse-training schools; nursing library.

337. Bust of H. R. H. Princess Christian, President of the Royal British Nurses' Association; bust of Rohere, founder of Saint Bartholomew's Hospital, A. D. 1122; statue and personal effects of Sister Dora; invalid appliances and furniture designed by nurses; models of medical and surgical treatment designed by Sister Marion, Homœopathic Hospital, M. R. B. N. A.; model of Leper Colony, Yakoutsk; models of the Pridgin-Teale for excluding dust from rooms, cupboards, etc.

Philanthropy.

President: Baroness Burdette-Coutts.

Countess of Harrowby, Mrs. Boyd Carpenter, Mrs. Holmes White, Miss Ellen E. White and Miss Mary Steer.

337a. Papers on the Philanthropic Work of Women for Reading at the Philanthropic Congress.

338. Type-written Reports on the Philanthropic Work of Women, classified under the following subject-headings: Childhood; Girlhood; Women; Help for Poor

WOMAN'S BUILDING.

Ladies; Home Mission Work; Amelioration of the Condition of the Working Classes; Women as Poor Law Guardians; Working Guilds and Work Societies; Blind, Deaf and Dumb, and Care of the Helpless; Nursing; Work among British Soldiers and Sailors; Technical and Other Educational Work; Philanthropic Work of Women in Ireland, and Philanthropic Work in the Colonies and Abroad.

Models and Specimens of Handicraft Work.

- 338a. Model of a children's holiday home and a creche connected with the Ragged School Union; model of a window and a London cabman's shelter decorated with flowers from the London Flower Girls' Mission; beaten brass letter box and tray from Miss Wingfield-Digby's brass-work class, Bournemouth; carved wood letter box from the Hon. Odeyne de Grey's Ratcliffe carving class, London; iron kettle stand, lamp, hinge, bracket and candlestick from Miss Maude's village iron-work class, Curry Rivel, Somerset; artificial flowers from the London Flower Girls' Mission, and carved wood platter and work basket from Miss Fergusson's industrial classes, West Linton, Scotland.
339. Specimens of work from the following Industrial Institutions affiliated to the Society for Promoting Female Welfare: Alford Needlework Association; Portman Chapel Work Society; West Holme Inebriates' Home, Hounslow; Halstead Industrial Home; Digby Institute, Bournemouth; the Cripples' Home and Industrial School for Girls, London; the Cripples' Nursery, London; Italian Protestant Orphanage, Florence; Indigent Blind Visiting Society, London; Industrial Home for Girls, London; South Grove Home School, Tunbridge Wells; Chinese Bible Mission to Women and Children; Epsom Mission Room Work Society; and Illuminated Text Mission.

Irish Industries.

- 339a. Design in Mrs. O'Brien's Limerick black silk lace for a fan; sent by Mrs. Rogers of Sevenoaks.
340. Handkerchief case from Mrs. Vesey's Dunleckney cottage industry.
- 340a. Embroidered apron, pinafore and cushion from Mrs. Bagwell's Marlfield cottage industry.
341. D'oyleys and table covers from Mrs. Ponsonby's Garry Hill girls' class.
- 341a. Work from Miss Stewart's knitting and embroidery class, Ballyardle.
342. Specimens of the peasant knitting industry at Carna.
- 342a. Specimens of grey serge, natural wool and Irish flannel from Mrs. Bernard's Providence Technical Woolen Manufactory, Foxford.

Lace, Embroidery and Needlework.

343. Work done by blind children.
344. Specimens of stitches worked at the Sister's House, Fairfield, near Manchester.

345. Specimens of lace from the Association for the Encouragement and Improvement of Handmade Pillow Lace for the counties of Northampton, Buckingham and Bedford.
346. Satin embroidery from Miss Ensor, Norwich.
347. Knitted hosiery from St. Chad's Home for Waifs and Strays, Leeds.
348. Patchwork quilt from Miss Fergusson's industrial classes, West Linton, Scotland.
349. Stockings from Miss Steer's Bridge of Hope, London.
350. Work from London Soho Club for Working Girls, banner by Agnes Robertson, a worker at Crosse & Blackwell's jam factory, samples of art needlework stitches by Harriet Alcock, a clerk; sent by the Honble. Maude Stanley.
351. Specimens of work from the Ragged School Union.

Pictures and Photographs.

352. Photographs of Gordon Hall, Mildmay Boarding House, Deaconess House and Missionary Training Institute at Liverpool; sent by Mrs. Stephen Menzies.
353. Photograph of Mrs. Ponsonby and of her girls' class, Garry Hill.
354. Photographs of Halstead Industrial School; sent by Miss Greenwood.
355. Photograph of the Meath Home for Epileptics.
356. Photographs of Miss Steer's Bridge of Hope, East London.
357. Grants, doles and charities in the county of Norfolk, illustrated with engravings of churches, etc., from Miss Ensor, Norwich.
358. Sketch of a lace-maker in the village of Pitsford, Northamptonshire.
359. Sketches illustrating the work in India of the Marchioness of Dufferin and Ava.
360. Pictures by students of the Art Students' Home, Brunswick Square, London.
361. First Conviction under Martin's Acts ("The Animals' Charter"); from the R. S. P. C. A.

Maps.

362. Map of London, showing the districts in which common lodging houses are situated. From the Lodging House Mission.
363. Map of London, showing the dining-rooms supplying dinners for poor children in connection with the Destitute Children's Dinner Society.

Books.

364. Year Book (1892) of Church of England in the Diocese of Adelaide.
365. Aldershot, a record of Mrs. Daniell's work among the soldiers.
366. Associated Workers' League, 1892.
367. Biblewomen and Nurses, a record of the work of the London Bible and Domestic Female Mission.
368. Elizabeth Gilbert, and her work for the Blind, by Frances Martin.
369. Our Blue Jackets, a narrative of Miss Weston's life and work among our sailors, by Sophia G. Wintz.

GREAT BRITAIN.

370. Catholic Directory; Ecclesiastical Register and Almanac for 1892.
 371. Church of England Year Book for 1892.
 372. Countess of Huntingdon and her connection, by Rev. J. G. Figgis.
 373. English Women and their work in Queen Victoria's reign, 1857-1887, by Miss Hubbard.
 374. English Women's Year Book and Directory.
 375. Extracts from Minutes of Proceedings of Yearly Meeting of Friends, 1891.
 376. Friends' First Day School Association, 1891.
 377. Friends' Foreign Mission Association, 1891.
 378. Friends' Report of the Home Mission Committee to the Yearly Meeting, 1891, and Report of Addresses at Meeting at Devonshire House, 1891.
 379. Friends' Syrian Mission, 1892.
 380. Girls' Friendly Society; Associates' List, 1892.
 381. What to do With Our Girls, by A.T. Vanderbilt.
 382. Work of Private Persons and Societies, under the Neglected Children's Act, 1891, for the years 1890-1891, in Melbourne.
 383. Moravian Church Book.
 384. New South Wales Statistical Register for 1891 and previous years.
 385. Nurses' Directory for 1892.
 386. Poor Sisters of Nazareth, Hammersmith, by Alice Meynell.
 387. Ladies' Sanitary Association, six vols.
 388. Mrs. Spurgeon's Book Fund and its Work, three vols., 1887, 1889, 1890.
 389. Victoria Charitable Institution's Report of the Royal Commission 1891; Department for Neglected Children and Reformatory Schools, 1890, by the Secretary.
 390. Papers read at a Conference convened by the Liverpool Ladies' Union of Workers among Women and Girls, 1891.

IRELAND.

In Conjunction with the Irish Industries Association.

President: Countess of Aberdeen.

391. Cappoquin, Miss Keane's Industry. Reticella and raised point lace.
 392. Carrickmacross Industry. Bridal dress, veil, fan and handkerchief.
 393. Clones Lace-making District. Crochet work.
 394. Connermara Peasant Woman. Embroidered baby's robe.
 395. Dublin, Cabra Convent Industry. Lace bridal set.
 396. Dublin, Gold Bridge Convent Industry. Tambour lace alb.
 397. Garryhill Cottage Industry. Embroidered tea-cloths.
 398. Innishmaccsaint Lace Industry. Raised needlepoint lace.
 399. Irish Distressed Ladies' Fund. Embroidered vestments.
 400. Kenmare, Convent of Poor Clares. Flouncing; embroidered vestments.
 401. Kinsale, Convent of Mercy. Flouncing; bordering: handkerchiefs.

402. Limerick, Convent of Good Shepherd. Tambour lace alb.
 403. Limerick Lace-making School. Lace scarfs.
 404. Limerick, Mrs. Vere O'Brien's Industry. Tambour lace work.
 405. Newry, Convent of Mercy. Tambour lace alb.
 406. New Ross, Carmelite Convent. Flouncing, crochet and Jesuit-point.
 407. Parsonstown, St. John's Industry. Point lace flounce, fan and handkerchief.
 408. Royal School of Art Embroidery. Embroidered vestments.
 409. Turbotstown Cottage Industry. Embroidered linen quilt.
 410. Youghall, Presentation Convent. Needle-point flouncing.

SCOTLAND.

In Conjunction with the Scottish Home Industries Association.

President: Countess of Aberdeen.

Secretaries: Miss Munro Ferguson and Miss Meta Donald.

Arts.

411. Anderson, Miss, Mauchlin. Bent iron work mirror.
 412. Butcher, Mrs., Edinburgh. Inlaid box.
 413. Dempster, Miss, Sterling. Inlaid blotter.
 414. Ferguson, Mrs. Munro, Novar, N. B. Design for fan.
 415. Gillan, Miss E., Ayr. Hand-painted tea set.
 416. Graham, Miss, Crieff, N. B. Case of filigree work.
 417. Hamilton, Mrs. Vereker, London. Bronze medallions.
 418. Harvey, Misses, Tain, N. B. Carved table, clock case and bellows.
 419. Perman, Miss, Glasgow. Draught screen.
 420. School of Domestic Economy, Edinburgh. Specimen diploma, etc.
 421. Thompson Anstruther, Miss, Colinsburgh, N. B. Arab frieze.
 422. Traquair, Mrs., Edinburgh. Photographs of illuminated vellum manuscript of Tennyson's "In Memoriam," and two of Mrs. Browning's sonnets illuminated.
 423. Tytler, Miss Fraser, Milton Bridge, N. B. Statuette, "A mud-lark;" tracings of ships' plans.
 424. Warrack, Miss, London. Brass tray.

Embroideries.

425. Gillan, Mrs., Ayr. Wall panel; table cover.
 426. Gillan, Misses, Ayr. Drapery; bed-spread; cushion; cot cover; mantel border.
 427. Haddo School of Needlework. Embroidered peacock.
 428. Houston, Women of (Manageress, the Lady Anne Spiers, Houston House, Renfrewshire). Houston embroidery.
 429. Royal Repository for Gentlewomen's Work. Edinburgh. Specimens of work.

WOMAN'S BUILDING.

Old Embroideries.

430. **Lent by the Countess of Aberdeen.** Embroidery; worked by Anne, Countess of Aberdeen, 1740.
431. **Lent by Mrs. Morrison Duncan, of Norton.** Portion of ancient hanging in green velvet, embroidered with raised needlework design, a style specially used in Scotland during the latter Stuart reigns; specimens of old muslin curtain border embroidered by Mrs. Catherine Mackenzie, and old ruffle needlework, as worn on last century dresses; fragment of old Scottish drawing-room coverings embroidered early this century on homespun linen, with specimens of the woolen and flax threads used; ancient pocket-book, worked with green and gold threads on canvas in one of the old Scottish book-cover stitches; Scottish screen, embroidered early this century with the Nicholson arms; bags of Fair Isle knitting and two Spanish bags bought in Valencia market-place, to show similarity; scarf in Scottish needle lace, date early this century, and framed piece of old style embroidery executed in colored threads on linen.
432. **Lent by the Countess of Strathmore, Glamis Castle, N. B.** Embroidery from the bed of Patrick, Earl of Kinghorn, worked with his arms, about the year 1606.

Home Industries.

433. **Ayrshire School of Art and Women's Industries** (Manageress, Hon. Mrs. Vernon, Ayr). Portiere; screens and embroidery.
434. **Aberdeen, Women of.** Knitted gloves.
435. **Gairloch, Women of** (Manageress, Lady Mackenzie, of Gairloch, N. B.). Hand-knitted stockings.
436. **Harris, Women of** (Manageress, Lady Scott, North Harris). Homespun and woven tweeds; spinning wheel.
437. **Shetland, Women of** (Manageress, Mrs. Lyell, Kinordy, Kirriemuir, N. B.). Specimens of knitting.
438. **Stevenson, Miss.** Knitted gloves; Victoria tartan.

Lace.

439. **Greig, Mrs., Aberdeen.** Pitsligo lace handkerchief; lace.

WALES.

President: Lady Aberdare.

Hon. Secretary: Miss Adeane.

Women's Industries from North Wales.

440. **Adeane, Miss, Holyhead.** Lay figure dressed in the national costume of North Wales, Welsh costume with high hat, Welsh aprons, various colors; Anglesey spinning wheels, specimens of homespun flax and wool and silk and wool fabrics.
441. **Anglesey, Women of.** Hand-knitted stockings.
442. **Denbigh, School child of.** Sample of marking as done in a Welsh school.
443. **Home Art Center, Holyhead.** Bed coverlet by M. Elliott.
444. **Curtain, reproduced from seventeenth century four-post bed, by C. Lewis.**

445. **Sampler of stitches used in old embroidery, sheet and pillow cases, by E. Elliott.**
446. **Mirror from original, Henry VIII'S time, by K. Sharpe.**
447. **Silver-backed brush by P. Crosse.**
448. **Hand glass by A. M. Edwards.**
449. **Copper tray and leather blotting-book by E. Edwards.**
450. **Owen, E. Tycroes.** Spinning wheel.
451. **Parry, Catherine, Presadfed.** Welsh wigs, as worn by old people in Wales.
452. **Williams, Jane, Aberfraw.** Baskets made of grass grown on Newborough Sands.

Women's Industries from South Wales.

453. **Hand-loom for flannel weaving as done by women in South Wales, lent by Parry and Rock.**
454. **Samples of Welsh flannels made by women.**
455. **Spinning wheel for wool, sent by Lady Llewelyn.**
456. **Dressed figure in costume of Swansea cockle woman, sent by Lady Llewelyn.**
457. **Welsh coverlids quilted by women in their own homes.**
458. **Hand-knitted stockings.**
459. **Machine-made stockings and Welsh flannels woven by women in Parry and Rock's woolen factories.**

PORTRAITS OF EMINENT BRITISH WOMEN.

In Medieval Period.

460. **St. Eadgitha, or Edith, of Wilton.** Daughter of King Edgar, died 984. Pen and ink drawing of effigy from seal of Wilton Abbey.
461. **Devorguilla of Baliol.** Founder of Baliol College, Oxford, died 1267. Pen and ink drawing of effigy from seal attached to the statues of the college.
462. **Ela, Countess of Salisbury.** Wife of William Longespe, lived 1188-1261; Abbess of Lacock, 1240-1258. Pen and ink drawing of effigy from seal used by her when filling office of High Sheriff of Wiltshire after husband's death.
463. **Eva de Braose.** Died 1246. Lithograph from monument in St. Mary's Church, Abergavenny.
464. **Eva de Cantilupe, Baroness of Abergavenny.** Died 1257. Lithograph from monument in St. Mary's Church, Abergavenny.
465. **Elizabeth of Clare, Countess of Ulster.** Founder of Clare College, Cambridge, died 1340. Engraving.
466. **Mary de St. Paul, Countess of Pembroke.** Founder of Pembroke College, died 1377. Pen and ink drawing after painting at Cambridge; also one after an old illumination.
467. **Margaret of Anjou.** Wife of Henry VI, founder of Queen's College, Cambridge, died 1482. Pen and ink drawing after an old illumination.

GREAT BRITAIN.

468. **Margaret Beaufort, Countess of Richmond and Derby.** Mother of Henry VIII, founder of Christ's College, Cambridge, lived 1441-1509. Engraving from picture in collection of the Earl of Derby.
469. **Frances Sydney.** Founder of Sydney College, Cambridge, died 1588. Engraving after a picture in the College.
470. **Juliana Berners.** Prioress of Sopwell, near St. Albans, elected about 1480. Engraving.
471. **Elizabeth Hervey.** Abbess of Elstow, Bedfordshire, elected about 1520. From monumental brass.
472. **Agnes Jordan.** Abbess of Syon, elected 1534. From monumental brass.
473. **Esther Inglis.** Flourished toward close of sixteenth century. From MS. of the Proverbs of Solomon, at the Bodleian Library, Oxford.
474. **Dorothy Wadham.** Founder of Wadham College, Oxford, died 1618, aged 84. Pen and ink sketch after prints in British Museum.

In Tudor Period.

475. **Queen Mary.** Lived 1515-1558. Engraving after Sir Antonio More.
476. **Queen Elizabeth.** Lived 1533-1603. Engraving.
477. **Mary, Queen of Scots.** Engraving after picture in St. James' Palace.
478. **Jane Seymour.** Engraving after Holbein.
479. **Anne Boleyn.** Engraving after Holbein.
480. **Catherine Parr.** Engraving after Holbein.
481. **Margaret Roper.** Daughter of Sir Thomas More, the Chancellor, lived 1508-1544. Engraving.
482. **Anne Askew.** Lived 1521-1546, burned at the stake in Smithfield, July 16, 1546. Photograph of picture in possession of Sir Richard Cholmondeley.
483. **Jane Heddington (Mrs. Cecil).** Mother of the great Lord Burleigh. Photograph from picture in possession of the Marquis of Salisbury.
484. **Mildred Coke (Lady Burleigh).** Daughter of Sir Anthony Coke, lived 1526-1589. Photograph from picture in possession of the Marquis of Salisbury.
485. **Lady Jane Grey.** Lived 1537-1554. Engraving.
486. **Mary Sidney.** Countess of Pembroke. Sister of Sir Philip Sidney, lived about 1550-1621. Engraving after picture of Mark Gerard's.
487. **Lady Arabella Stuart.** Lived 1575-1615. Engraving after Van Somer.

In Civil Wars.

488. **Elizabeth Steward (Mrs. Cromwell).** Mother of Oliver Cromwell, died 1654. Engraving after an old picture.
489. **Anne Clifford, Countess of Dorset, Montgomery and Pembroke.** Hereditary High Sheriff of Westminster, lived 1589-1675. Engraving from picture in collection of the Duke of Dorset.

490. **Charlotte de la Tremouille.** Wife of Sir James Stanley, Earl of Derby, died 1663. Engraving after Vandyke of the Earl, the Countess and her son.
491. **Jane Lane.** Afterward Lady Fisher, died September 9, 1689. Photograph from picture.
492. **Flora Macdonald.** Died 1790. Engraving after portrait by Alan Ramsay.
493. **Lady Fanshawe.** Lived 1625-1680. Photograph from picture by Sir Peter Lely.
494. **Mrs. Lucy Hutchinson.** Wife of Colonel Hutchinson. Engraving.
495. **Lady Rachael Wriothoesley.** Wife of Lord William Russell, daughter of Sir Thomas Wriothoesley, Earl of Southampton, lived 1636-1723. Engraving after picture at Woburn Abbey.

In Early Half of Sixteenth Century.

496. **Queen Mary.** Lived 1662-1694. Engraving after Sir Godfrey Kneller.
497. **Queen Anne.** Lived 1665-1714. Engraving after Sir Godfrey Kneller.
498. **Sarah Jennings, Duchess of Marlborough.** Lived 1660-1744. Engraving after Sir Godfrey Kneller.
499. **Margaret Lucas, Duchess of Newcastle.** Died 1673. Daughter of Sir Charles Lucas. Engraving.
500. **Mrs. Pope.** Mother of the poet. Etching from a drawing at Strawberry Hill.
501. **Anne Donne (Mrs. Cowper).** Mother of the poet, died 1737. Etching by Blake.
502. **Elizabeth Rowe.** Writer of religious works. Lived 1674-1735. Engraving.
503. **Mrs. Wesley.** Mother of John and Charles Wesley.
504. **Selina, Lady Huntingdon.** Lived 1707-1791. Engraving.
505. **Elizabeth Carter.** Lived 1717-1806. Engraving after Sir Thomas Lawrence.
506. **Lady Mary Wortley Montague.** Lived 1720-1800. Engraving.
507. **Mrs. Montague.** Lived 1729-1800. Engraving.
508. **Mrs. Chapone.** Lived 1727-1801. Engraving.
509. **Hannah More.** Lived 1745-1833. Engraving.

Pioneers in Philanthropy and General Advancement of Women.

510. **Elizabeth Fry.** Lived 1780-1845. Photograph from picture by Richmond.
511. **Hannah More.** Lived 1745-1833. Engraving from portrait by Pickersgill in National Portrait Gallery.
512. **Mary Wolstonecraft Godwin.** Lived 1759-1797. Photogravure after Opie.
513. **Lydia Ernestine Becker.** Lived 1827-1890. Photograph.
514. **Millicent Garrett Fawcett.** Photogravure.
515. **Mary Carpenter.** Lived 1807-1877. Pen and ink sketch from photograph.
516. **Mrs. Nassau Senior.** Lived 1829-1877. Photograph from portrait by Watts.
517. **Florence Nightingale.**
518. **Sister Dora.** Lived 1832-1878. Photograph of statue at Walsall.

WOMAN'S BUILDING.

519. Dr. Elizabeth Blackwell. Photograph.
 520. Dr. Elizabeth Garrett-Anderson. Photograph.
521. Caroline Chisholm. Lived 1810-1877. Woodcut.
522. Miss Marsh. Photograph.
 523. Miss F. A. Robinson. Photograph
 524. Miss Weston. Photograph.
 525. Mrs. Ranyard. Photograph.
 526. Mrs. Meredith. Photograph.
 527. Mrs. Josephine Butler. Photograph.
 528. Mrs. P. A. Taylor. Photograph.
 529. Miss Rosamond Davenport Hill. Photograph.
 530. Miss Florence Davenport Hill. Photograph.
 531. Mrs. Ashworth Hallett. Photograph.
 532. Miss Caroline Ashurst Biggs. Died 1889. Photograph.
 533. Mrs. Priscilla Bright McLaren. Photograph.
 534. Miss Isabella M. S. Tod. Photograph.
 535. Mrs. Anna Haslam. Photograph.
 536. Miss Flora Stevenson. Photograph.
- Pioneers in Education.
537. Lady Stanley of Alderley. Photograph.
 538. Barbara Leigh Smith (Madam Bodichon). Died July 11, 1891. Photograph from painting by Miss Osborn, at Girton College.
 539. Miss Emily Davies. Photograph from portrait at Girton College.
 540. Miss Anne Jane Clough. First principal of Newnham College. Lived 1820-1892. Photograph from portrait by Shannon, at the college.
 541. Eleanor Mildred Balfour (Mrs. Henry Sidgwick). Principal of Newnham College. Photographed from portrait by Shannon, at the college.
 542. Mrs. Jellicoe. Founder and first principal of Alexandra College, Dublin. Died 1880. Photograph.
 543. Mrs. Wm. Grey and Miss Shirreff. Founders of National Union for Education of Women. Photographs.
 544. Miss Wordsworth. Principal of Lady Margaret Hall, Oxford. Photograph.
 545. Miss Beale. Founder and principal of Cheltenham Ladies' College. Photograph.
 546. Miss Buss. Founder and principal of North London Collegiate School. Photograph.
 547. Mrs. Byers. Founder and principal of Victoria College, Belfast. Photograph.
 548. Mrs. John Elder. Founder of Queen Margaret College, Glasgow. Woodcut.
 549. Philippa Fawcett. "Above the Senior Wrangler," July, 1890. Photogravure.
- Central Group.
550. H. M. Queen Victoria. 1887.
 551. H. M. Queen Victoria. 1837.
 552. H. M. Queen Victoria as Princess Victoria. 1832.
 553. H. M. Queen Victoria as Princess Victoria. 1829.
 554. The Empress Frederick. Engraving after Winterbottom in 1858.
555. The Princess Alice. Engraving, 1860.
 556. The Princess Christian. Engraving.
- In Science, History, Etc.
557. Anna Brownell Murphy (Mrs. Jameson). Lived 1794-1861. Photograph from bust by Gibson, in National Portrait Gallery.
 558. Mary Fairfax (Mrs. Somerville). Lived 1780-1872. Engraving after portrait in National Portrait Gallery.
 559. The Marchioness of Salisbury. Photograph.
 560. The Marchioness of Dufferin and Ava. Photograph.
 561. Harriett Martineau. Lived 1802-1876. Engraving after portrait by Margaret Gillies.
 562. Frances Power Cobbe. Photograph.
 563. Anna Swanwick. Photograph.
 564. Agnes Strickland. Lived 1897-1874. Engraving after portrait in National Portrait Gallery.
 565. Catherine Winkworth. Died 1878. Photograph.
 566. Susanna Winkworth. Died 1885. Photograph.
 567. Amelia Blandford Edwards. Died 1892. Photograph.
 568. Matilda Betham Edwards. Photograph.
 569. Jane Harrison. Photograph.
 570. Miss Ormerod. Photograph.
- In General Literature.
571. Mrs. Howitt. Lived 1805-1885. Engraving.
 572. Mrs. Piozzi. Lived 1769-1852.
 573. Joanna Baillie. Lived 1762-1851.
 574. Anne Taylor (Mrs. Gilbert). Lived 1782-1866. Jane Taylor. Lived 1783-1823. Photograph.
 575. Mary Lamb. Lived 1765-1847. Photograph.
 576. Mary Granville (Mrs. Delaney). Lived 1700-1788. From painting at Hampton Court.
 577. Mrs. Trimmer. Lived 1741-1810. Engraving.
 578. Mrs. Barbauld. Lived 1743-1825. Engraving.
 579. Mrs. Opie. Lived 1769-1853.
 580. Miss Mitford. Lived 1786-1854. Woodcut.
 581. Mrs. Hofland. Lived 1770-1844. Engraving.
 582. Mrs. Grant of Laggan. Lived 1753-1838. Engraving.
 583. Jane Welsh (Mrs. Carlyle). Died 1866. Photogravure.
- In Poetry.
584. Elizabeth Barrett (Mrs. Browning). Lived 1809-1861. Photograph after picture by Mrs. Bridell Fox.
 585. Adelaide Anne Procter. Lived 1825-1864. Photograph.
 586. Christina Rossetti.
 587. Jean Ingelow. Woodcut.
 588. Felicia Browne (Mrs. Hemans). Lived 1794-1884. Engraving after miniature.
 589. Letitia Elizabeth Landon ("L. E. L."). Lived 1802-1839. Engraving after Maclise.

GREAT BRITAIN—ITALY.

590. Mrs. Tighe. Lived 1773-1810. Engraving after Bonney by Caroline Watson.

In Fiction.

591. Maria Edgeworth. Lived 1767-1849. Engraving.

592. Jane Austen. Lived 1775-1817. Engraving.

593. Fanny Burney (Madam d'Arblay). Lived 1752-1840.

594. Jane Porter. Lived 1776-1856. Engraving.

595. Mrs. Gore. Lived 1799-1861. Engraving.

596. Mrs. Trollope. Lived 1790-1863. Woodcut.

597. Sidney Owenson, Lady Morgan. Lived 1788-1859. Photograph.

598. The Honorable Mrs. Norton. Lived 1807-1877. Engraving.

599. Elizabeth Hamilton. Died 1810. Engraving after Raeburn.

600. Charlotte Bronte. Lived 1816-1855. Photograph from picture by Richmond.

601. Mrs. Gaskell. Lived 1810-1865. Photograph from portrait by Richmond.

602. "George Eliot." Lived 1819-1880. Photograph.

603. Mrs. Oliphant. Photograph.

604. Anne Thackeray (Mrs. Richmond Ritchie). Photograph.

605. Charlotte Yonge. Photograph.

606. Dinah Muloch (Mrs. Craik). Died 1887. Photograph.

607. Jessie Fothergill. Died 1891. Photograph.

608. Mrs. Humphrey Ward. Photograph.

609. Mrs. W. K. Clifford.

610. "Edna Lyall."

In Drama and Music.

611. Mrs. Siddons. Lived 1755-1831. Engraving after Sir Joshua Reynolds—as "Tragic Muse."

612. Fanny Kemble (Mrs. Butler). Died 1893. Engraving after Sir Thomas Lawrence.

613. Mrs. Kendall.

614. Ellen Terry. Photograph.

615. Rosalind Frances Ellicott. Photograph.

616. Clara Augusta Macirone. Photograph.

617. Mrs. Julian Marshall. Photograph.

618. Oliveria Prescott, A. R. A. M. Photograph.

619. Maude Valerie White. Photograph.

In Art.

620. Mary Moser, R. A. (Mrs. Lloyd). Died 1819.

621. Angelica Kaufmann, R. A. Lived 1740-1807. Engraving.

622. Anne Linwood. Lived 1756-1845. Engraving.

623. Mrs. Conway. Engraving.

624. Mary Beale. Lived 1632-1697. Engraving.

625. H. R. H. Princess Louise. Engraving.

626. H. R. H. Princess Beatrice. Photograph.

627. Louisa, Marchioness of Waterford. Died 1891.

628. Mrs. Allingham.

629. Lady Butler.

630. Mrs. Julia Cameron.

631. Mrs. Louise Stair Canziani.

632. Miss A. Grant.

633. Miss Mary Grant.

634. Mrs. Marrable.

635. Miss Moody.

636. Mrs. Perugini.

637. Mrs. Jopling Rowe.

638. Mrs. Adrian Stokes.

639. Mrs. Swynnerton.

ITALY.

DEPT. H.—MANUFACTURES.

GROUP 90.

1. Di Brazza, Countess Cora. Room furnished in style of fifteenth century. 572

GROUP 106.

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. 664

DEPT. L.—LIBERAL ARTS.

GROUP 150.

3. Di Brazza, Countess Cora. Books on lace and lace making. 854

JAPAN.

DEPT. A.—AGRICULTURE.**GROUP 9.**

1. Fujimoto, Mrs. Mastu, Nagano. Cocoons. 61
2. Japanese Ladies' Committee, Tokio. Book on rearing silk worms, loaned by the household of Her Imperial Majesty, the Empress Dowager. 61
3. Machida, Miss. Kiku, Gumma. Cocoons. 61
4. Mochizuki, Mrs. Kiku, Fukushima. Cocoons. 61
5. Tajima, Mrs. Mase, Gumma. Cocoons. 61
6. Tanaka, Mrs. Jiu, Nagano. Cocoons. 61

DEPT. H.—MANUFACTURES.**GROUP 89.**

7. Japanese Ladies' Committee, Tokio. Orimono paper articles made by the ladies of the Court. 557

GROUP 91.

8. Hattori, Mrs. Tsuna, Tokio. Porcelain statue. 576
9. Kawamota, Miss Masa, Aichi. Porcelain flower vases. 576
10. Kimura, Miss Suzu, Ishikawa. Porcelain plate. 576
11. Kiyokaze, Mrs. Kuma, Kioto. Porcelain flower vases. 576
12. Nilsaidow, Mrs. Rei, Tokio. Porcelain flower vases. 576
13. Ninomiya, Miss Kastu, Miyo. Porcelain inlaid work vases. 576
14. Saiki, Miss Tatsu, Miyo. Porcelain flower vases. 576
15. Tsuji, Miss Sode, Saga. Porcelain flower vases. 576
16. Yamamoto, Mrs. Yasu, Kanagawa. Porcelain flower vases. 576

GROUP 93.

17. Kaji, Mrs. Ima, Aichi. Cloisonne flower vase. 586
18. Nukii, Mrs. Yen, Kanagawa. Cloisonne flower vase. 586

GROUP 96.

19. Kikuma, Mrs. Yaye, Tokio. Image of a child. 599
20. Murata, Mrs. Sumi, Tokio. Sculptured metal panel. 601

GROUP 100.

21. Abe, Mrs. Kuni Tochigi. Figured silk fabric. 629
22. Akatsuka, Miss Sute, Hokkaido. Figured silk fabric for sash. 629
23. Asano, Mrs. Hidenō, Gifu. Figured crepe. 630

24. Date, Mrs. Ino, Kioto. Silk damask. 629
25. Fujiu, Mrs. Taka Gumma. Figured damask. 629
26. Hirata, Miss Shika, Kioto. Crinkled silk fabric. 629
27. Inouye, Mrs. Nobu, Kioto. Crinkled silk cloth. 629
28. Ioshizawa, Mrs. Iyono, Nagano. Raw silk. 625
29. Iwamoto, Miss Hatsu, Tochigi. Figured silk fabric. 629
30. Japanese Ladies' Committee, Tokio.
 - a Figured silk fabrics, loaned by the Household of Her Majesty, the Empress Dowager. 629
 - b Silk braid made by the ladies of the Court. 632
31. Kawasaki, Mrs. Masu, Gumma. Raw silk. 625
32. Moriyama, Mrs. Masa, Gumma. Figured damask. 629
33. Nakagawa Miss Koya, Shiga. Figured crepe. 630
34. Nishimura, Mrs. Shina, Kioto. Silk panel. 629
35. Okamoto, Mrs. Uno, Kioto. Silk panel. 629
36. Sasaki, Mrs. Yuki, Kioto. Figured damask chair cover. 629
37. Takayama, Mrs. Suye, Nagano. Raw silk. 625
38. Takeda, Mrs. Take, Aomori. White figured silk. 629
39. Takeda, Miss Tomi, Aichi. Crinkled silk fabric. 629
40. Tokuye, Mrs. Sawa, Gumma. Raw silk. 625

GROUP 101.

41. Takayesu, Mrs. Matsu, Okinawa. Spun silk cloth. 634

GROUP 102.

42. Nagasuye, Mrs. Ito, Fukuoka. Crinkled cotton. 638
43. Tonno, Mrs. Oto, Okinawa. Cotton fabric. 638

GROUP 106.

44. Akashi, Mrs. Masa, Ishikawa. Embroidered panel. 669
45. Horiguchi, Mrs. Chiyo, Tokio. Artificial flowers of cloth. 666
46. Iida, Mrs. Uta, Kiota. Embroidered panel. 669
47. Kageyama, Miss Fusako, Tokio. Embroidered panel. 669
48. Katow, Miss Toku, Tokio. Handkerchief. 664
49. Kumai, Mrs. Yone, Osaka. Artificial flowers of feathers. 666
50. Masuda, Miss Suye, Kioto. Embroidered panel. 669
51. Minura, Miss Yayoi, Kioto. Fan. 667

JAPAN—NEW SOUTH WALES.

- 52. Mitsui, Mrs. Tsuta, Kioto. Artificial flowers of cloth. 666
- 53. Orihara, Miss Uta, Tokushima. Embroidered table cover. 669
- 54. Takahashi, Miss Teru, Tokio. Embroidered hanging decorations. 669
- 55. Tsuruda, Miss Nao, Tokio. Embroidered panel. 669

GROUP 110.

- 56. Hoshiai, Mrs. Shizu, Nagano. Relief picture. 695
- 57. Suda, Miss Roku, Tokio. Relief picture. 695
- 58. Yeguchi, Mrs. Yaso, Kioto. Relief picture. 695

GROUP 140.

- 59. Takahashi, Miss Masu, Tokio. A Young Lady.
- 60. Tshakara, Miss Ritsuko, Tokio. Seishonagon, the ancient poetess.
- 61. Watanabe, Mrs. Yu, Tokio. A child grasping a dragon fly.

GROUP 141.

- 62. Atomi, Miss Katsu, Tokio. Pheasant and cherries.

- 63. Atomi, Miss Kwakei, Tokio. Weeds and flowers.
- 64. Hashimoto, Mrs. Yei, Osaka. Flowers in four seasons.
- 65. Iwai, Mrs. Naka, Kioto. Mount Arasi in four seasons.
- 66. Kanow, Mrs. Hisako, Tokio. Ancient dancing.
- 67. Mayeda, Mrs. Riyo, Tokio. Bird and chrysanthemum.
- 68. Morizumi, Miss Tai, Osaka. Insect hunting.
- 69. Noguchi, Miss Chika, Tokio. Ikao scenery.
- 70. Sakuma, Miss Yone, Tokio. Butterflies and peonies.
- 71. Takabayashi, Mrs. Tetsu, Tokio. Cat and flowers.
- 72. Uyemura, Miss Tsune, Kioto. Young ladies.

DEPT. L.—LIBERAL ARTS.

GROUP 150.

- 73. Japanese Ladies' Committee, Tokio. Poem composed and written by Her Majesty the Empress and manuscripts in handwriting of court ladies and the committee. 854

NEW SOUTH WALES.

DEPT. A.—AGRICULTURE.

GROUP 18.

- 1. Parrott, Mrs. Beef candles. 97

DEPT. B.—HORTICULTURE.

GROUP 21.

- 2. Fischer, Miss. Jams and jellies. 141

GROUP 23.

- 3. Williams, Mrs. Sauces. 177

DEPT. C.—LIVE STOCK

GROUP 34.

- 4. New South Wales Committee.
 - a Lyre bird's tails. 229
 - b Stuffed birds; mounted swans. 230

GROUP 35.

- 5. New South Wales Committee. Butterflies. 235

GROUP 36.

- 6. New South Wales Committee. Stuffed and mounted animals. 236
- 7. Rohu, Mrs., Apteryx. 236

DEPT. H.—MANUFACTURES.

GROUP 90.

- 8. New South Wales Commission. Hand-painted screen. 568
- 9. Paterson, Mrs. J., Hand-painted screen. 568
- 10. Windeyer, Lady. Fire screen, native companion. 572

GROUP 91.

- 11. Deane, Miss M. E. Plaques. 574
- 12. Stephen, Miss. Terra cotta plaque. 574

GROUP 101.

- 13. Fischer, Mrs. Carl. Grass mats, baskets and hammock; aboriginal work. 635
- 14. New South Wales Commission. Grass basket and aboriginal bag. 635

GROUP 102.

- 15. Punch, Mrs. Handkerchief. 639
- 16. Twynam, Miss. Counterpane. 639

GROUP 104.

- 17. Clarke, Miss Mabel. Underwear. 657
- 18. Dadley, Mrs. Robes. 653
- 19. Davenport, Miss. Underclothing. 657
- 20. Ellis, Mrs. Child's frock, smocked. 653
- 21. Garrett, Mrs. Knitted socks and stockings. 657
- 22. Harris, Mrs. Matthew. Knitted lace shawl. 657
- 23. Head, Miss Georgina. Underwear. 656
- 24. Maher, Mrs. Child's frock, smocked. 653
- 25. Maund, Miss L. Child's pinafore. 653
- 26. New South Wales Commission.
 - a Baby's robe, fur trimmed costume, tweed gown and vest. 653
 - b Cabbage tree hats. 654
 - c Hoods. 655
 - d Knitted shawl. 657

WOMAN'S BUILDING.

- | | | | |
|--|-----|---|-----|
| 27. Orr, Mrs. F. Tea gown, smocked. | 653 | 43. Daunt, Mrs. Specimens of knitting. | 665 |
| 28. Scott, Miss. Underclothing. | 657 | 44. Davenport, Miss. Darning. | 665 |
| 29. Scott, Miss J. Underclothing. | 657 | 45. Donnelly, Mrs. Crochet. | 665 |
| 30. Terry, Miss. Child's blouse. | 653 | 46. Fischer, Mrs. Karl. Balmain girls' point lace bibs; guipure handkerchief; lace. | 664 |
| 31. Windeyer, Lady. | | 47. Freeman, Miss. Modern point and case lace. | 664 |
| <i>a</i> Underwear and knitted shawl. | 657 | 48. Guille, Mrs. Old lace. | 564 |
| <i>b</i> Collars and cuffs. | 658 | 49. Hall, Mrs. J. Samples of darning. | 665 |
| GROUP 105. | | | |
| 32. McCarthy, Miss. Dingo skin mat, with head. | 661 | 50. Harris, Mrs. Fancy netting. | 655 |
| 33. New South Wales Commission. | | 51. Hayley, Mrs. Samples of darning. | 665 |
| <i>a</i> Rugs of skins and furs. | 660 | 52. Kendall, Mrs. Mailler. Lace handkerchief. | 664 |
| <i>b</i> Mats of opossum tails and emu skins; foot-warmer. | 661 | 53. McCarthy, Miss. | |
| <i>c</i> Fur collars, cuffs, muffs and collarettes. | 662 | <i>a</i> Lace scarf. | 664 |
| 34. See, Mrs. John. Rug of 456 opossum tails. | 661 | <i>b</i> Leather bracket flowers. | 666 |
| 35. Windeyer, Lady. | | 54. Maund, Miss L. Swiss darning. | 665 |
| <i>a</i> Opossum rug. | 661 | 55. Moorhouse, Mrs. Tatting. | 665 |
| <i>b</i> Cap of golden-breast water rat. | 662 | 56. Nesbitt, Miss. Samples of darning. | 564 |
| GROUP 106. | | | |
| 36. Alderton, Miss. Chemise. | 665 | 57. New South Wales Committee. | |
| 37. Allwood, Miss. Mantle border. | 669 | <i>a</i> Drawn linen tea cloth. | 665 |
| 38. Belisario, Miss. Hand-painted fan. | 667 | <i>b</i> Fish scale flowers. | 666 |
| 39. Bruton, Miss A. Gold embroidered stole. | 669 | <i>c</i> Embroidered fire screen and book cover. | 669 |
| 40. Burns, Mrs. J. F. Drawn thread and lace handkerchiefs. | 664 | 58. Overman, Miss. Roumanian work. | 665 |
| 41. Collins, Miss. Crochet lace. | 665 | 59. Palmer & Green, M'mes. Bullion flowers. | 666 |
| 42. Dudley, Mrs. Needle work. | 665 | 60. Scott, Mrs. Point lace collarette. | 664 |
| | | 61. Sheldon, Mrs. Crochet petticoat. | 665 |
| | | 62. Stack, Miss. Drawn silk work. | 665 |
| | | 63. Steffanoni, Miss. Bullion embroidery. | 669 |

RUSSIA.

RUSSIA.

Imperial Ladies' Committee of Russia.

An exhibit of woman's work from Her Imperial Highness, the Grand Duchess Elisabeth Teodorowna, from the city and government of Moscow; Mme. A. N. Narischkine, Tambow; Princess Urnssoff, Smolensk; Baroness Korff, Amour; Mme. Gontcharoff, Limbirk; Princess Shahavskvi,

Pensa; Mme. Gwrko, Warsaw; Mme. Baranoff, Nyni Novgorod; and the ladies' committees at Kasan, Wiatka, Odessa, Tobolsk, Kovno and Minsk. Also, large dolls dressed to represent the native costumes of the different clans of peasant girls of the empire, and court costumes from the time of the early reigns to the present day, and a book on literature, science and art.

SIAM.

DEPT. H.—MANUFACTURES.**GROUP 97.**

1. Various silver articles. 607

GROUP 98.

2. Small gold articles and rings. 612

GROUP 100.

3. Silk-lined bedspreads, silk and gold shawls and scarfs, girdles and children's belts. 630

GROUP 103.

4. Gold and silk cord. 647

GROUP 104.

5. Silk penungs, prince's gold and silver state robe and girdle, silver and gold pantalettes, gold embroidered nobleman's robe, girdle and doublets and child's doublet. 653

GROUP 106.

6. Gold lace aprons and bat covers. 664

7. Embroidered pillows, cushions and doilies. 665

8. Artificial flowers. 666

9. Sofa pillows, embroidered pieces and cap. 669

GROUP 108.

10. Gold and silk money-bags, tobacco pouches and betel pockets. 680

GROUP 110.

11. Siamese game, chess and saka boards and sets. 693

12. Biscuit, and other boxes of bead work. 694

13. Baskets, betel tray and box, bucket, cups and model of palace in wax. 695

DEPT. L.—LIBERAL ARTS.**GROUP 150.**

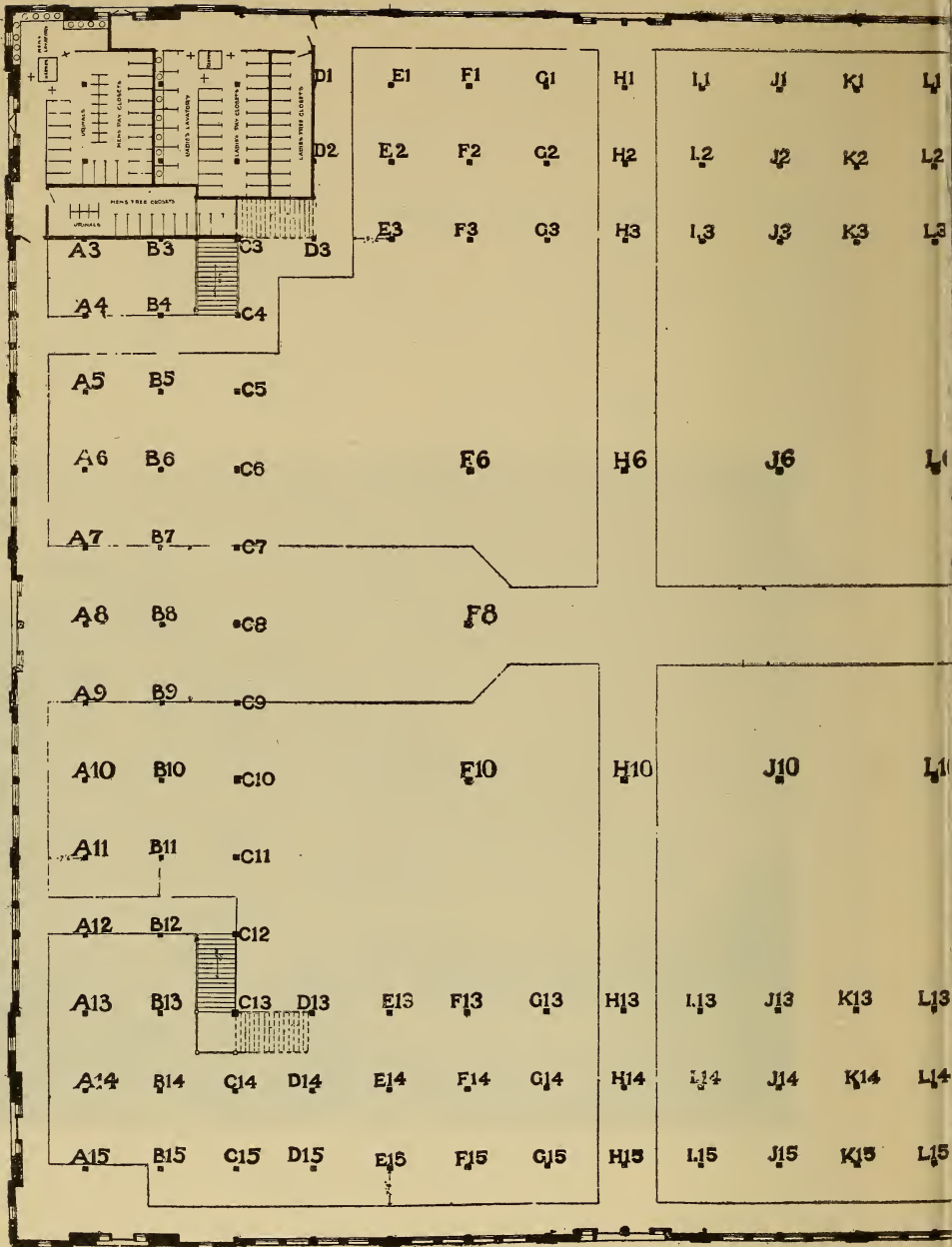
14. Educational text-books in Siamese 855

GROUP 115.

15. Photographs. 871

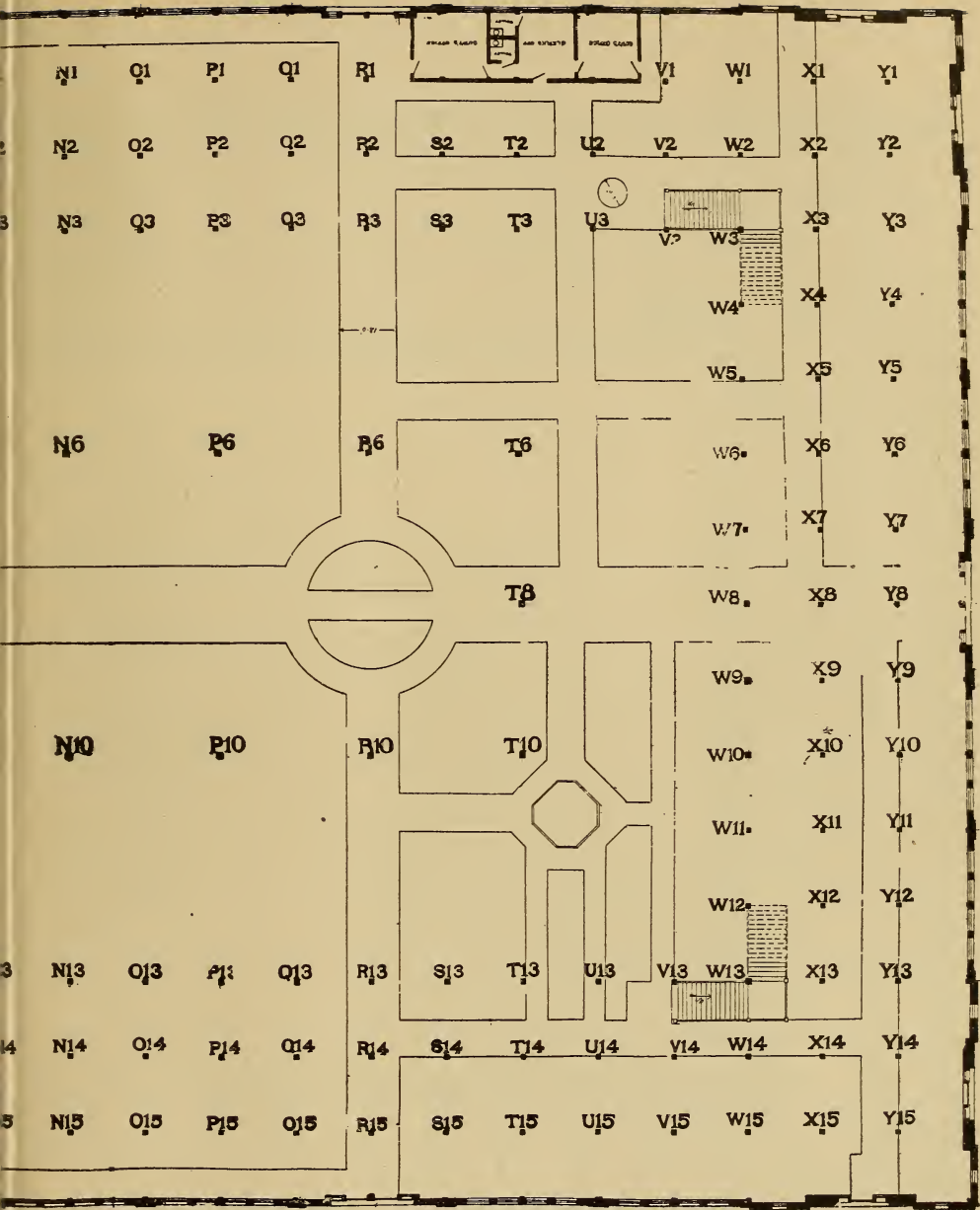


ANTHROPOLOGICAL BUILDING.



KEY TO

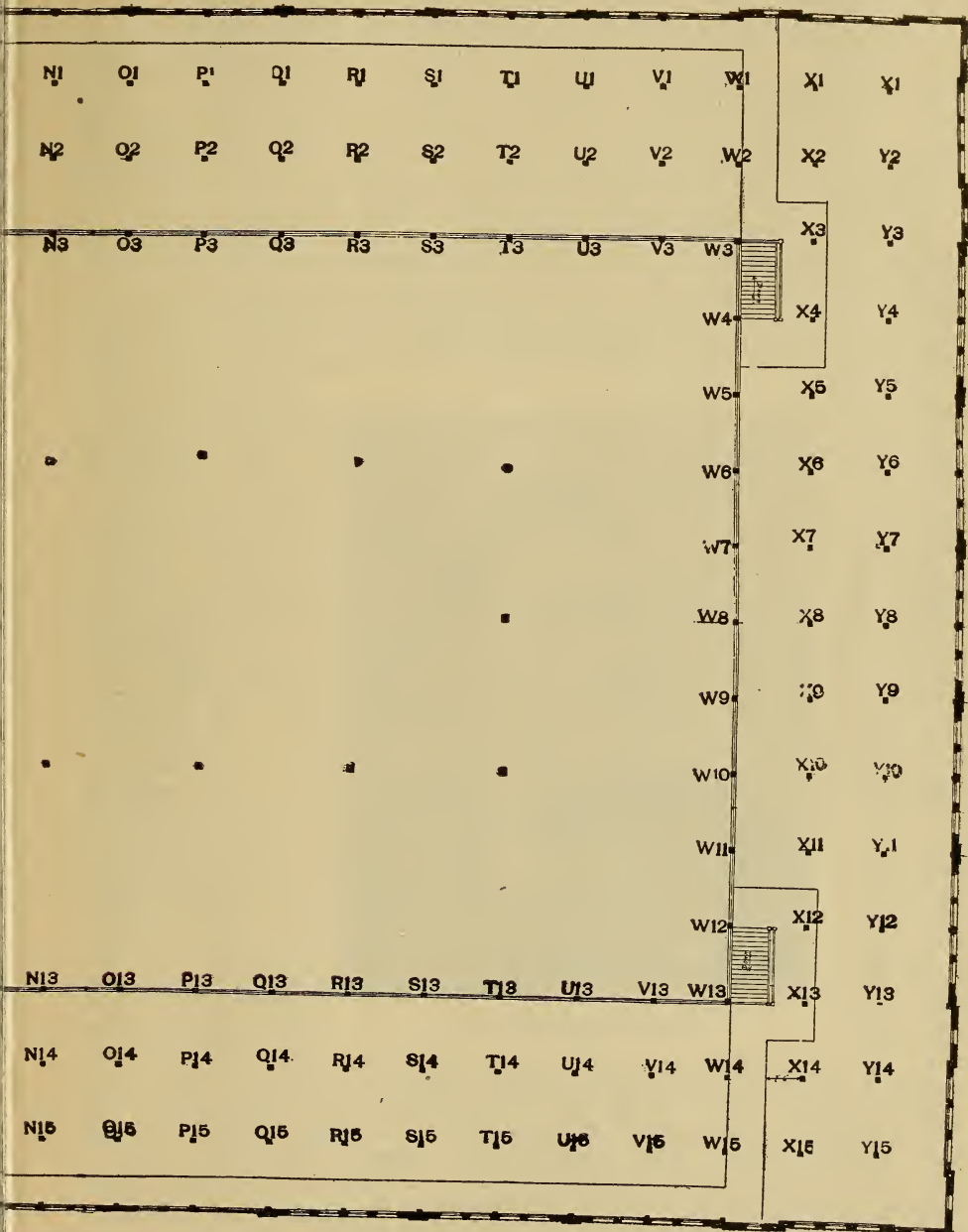
The Department of Ethnology occupies all the southern end of the main floor. These are occupied by Sanitation and Hygiene and the Bureau of Charities and A to F, and the columns on the main floor and in the gal 1 to 15, east to west. The letter and number following exhibit. The sign "Floor, J-6" indicates that the exhibit



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

ALLATION.

in the Anthropological Building except E and F in the divisions of the Liberal Arts Department—the Bureau of sections. The sections on the main floor are lettered from the lettered from A to Y, north to south, and numbered from exhibit in the catalogue marks the column nearest to the the main floor near the column J-6.



R PLAN
 L BUILDING.
 EXPOSITION.

DEPARTMENT M.—ETHNOLOGY.

THIS department, although generally known as that of Ethnology, includes the several groups of ethnology, archæology, anthropological laboratory, history and natural history of which the general exhibits are in the Anthropological Building; also the Latin American exhibit—the special exhibit of the relics of the time of Columbus arranged in the Convent of La Rabida; the reproductions of the ancient ruins of Yucatan on the grounds immediately north of the Anthropological Building; and the ethnographical exhibition of native people of America, who are living in their native habitations on the stretch of land along the eastern side of the south pond between the Anthropological Building and the Indian school-house. Just north of the Indian school-house is the Convent of La Rabida, and near it is the log house of pioneer times, which belongs to the historical section of the department. The Anthropological Building was the last of the Exposition buildings to be constructed, when it was found to be necessary to obtain more space for the section of education in the Manufactures and Liberal Arts Building. The Ethnological department was then assigned to

the new building was to have in the Building was given Education. The long and 255 feet lery 48 feet wide Thirty thousand southern end of up to the sections Sanitation and of rections belonging Arts. The remain-occupied by the ethnological ex-countries, State viduals, and the by the assistants who were sent to North, Central and make special ex-searches under the chief of the de-ing the building door on the north-after passing down beyond the gal-



F. W. PUTNAM, CHIEF.

the right and left the several small collections illustrating certain points in the archæology and ancient art of Assyria, Egypt and Rome; beyond this the Grecian exhibit by the Grecian Government, supplemented by collections from the Chicago Art Museum. This Grecian exhibit is made the central group in the hall. On the right of this is the French exhibit, and beyond that is the exhibit from the Spanish Government containing many groups brought directly from the Madrid Exposition. To the right of Spain's court are several groups of objects from the museums of Vienna and Berlin, and also the Russian exhibit. Passing northward from these exhibits along the western side of the building are several small exhibits from Asia and Africa. Following along the side aisle to the north is the large and interesting exhibit from New South Wales. Then come the several lots of objects from the Pacific islands which lead to the special collections made by the department illustrating the ethnology of the

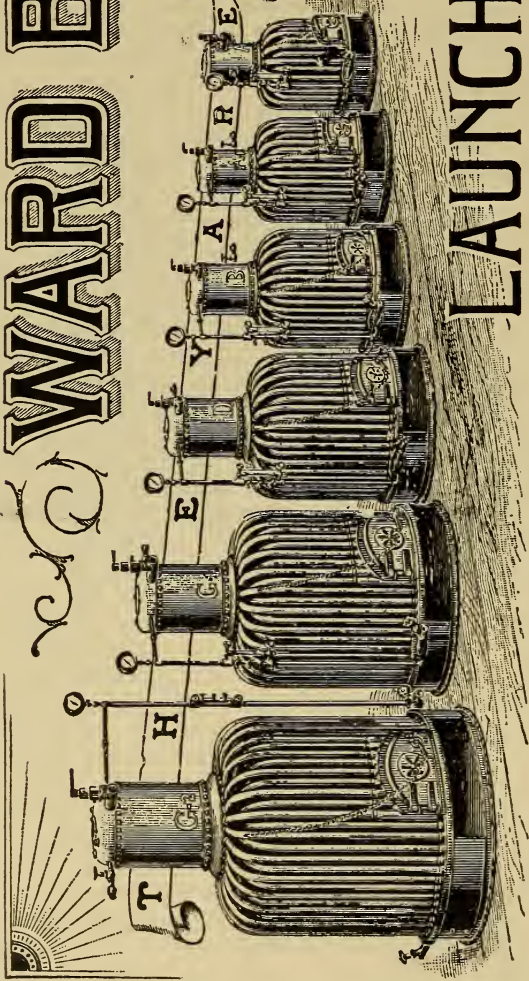
and the space it Manufactures to the section of building is 415 feet wide, with a gal-on all four sides. square feet on the the floor is given of Hygeine and Charities and Cor-to the Liberal der of the floor is archæological and hibits of foreign boards and indi-collections made of the department various parts of South America to plorations and re-direction of the partment. Enter-through the main ern end the visitor, the main aisle lery, will see on

northwestern coast of America—the Queen Charlotte islands, Vancouver, etc. Of particular interest here is the complete model of the village of Skidegate with all its houses and totem poles. Crossing the main aisle, the next division is that of the Indians of North America, which contains several collections illustrating the habits and customs of the Indians. Next to this are the archæological and ethnological collections forming the Canadian exhibit; southward along the eastern side of the building are the State collections of New York, Indiana, Ohio, Wisconsin, Missouri, Colorado, Utah and of the Hemenway southwestern expedition and various other exhibits, particularly those from Ohio and the Delaware valleys made by the department. Then come the large and important exhibits from Mexico and the several republics of Central America. In these exhibits are some of the most interesting objects in the building. The collection of singular sculptures and strange tablets of hieroglyphs here combined has never been equaled; a mass of material has here been brought together which gives the student the long wished for opportunity for comparative study of this remarkable phase of early American culture. South of these exhibits are those from South America, which include the collections secured from the extensive explorations by the department in Ecuador, Chili, Peru and Bolivia, illustrating the arts and customs of the ancient people of those countries and also the customs and arts of many of the present tribes of the interior. There are also large and interesting ethnological exhibits sent by the Governments of British Guiana, Paraguay, Brazil and the Argentine Republic, illustrating the native people of these countries. These various exhibits are followed by a series of cases stretching entirely across the building which contain the special exhibit of the section of folk-lore, religions and games of all countries. Ascending to the gallery, the visitor will find the several offices of the department in the north-western corner, and a work-room and committee room on the western side. Between these rooms and occupying the whole northern gallery are the series of alcoves forming the anthropological laboratories. In these can be seen a large collection of instruments and apparatus, received from the more important anthropological laboratories of the universities in this country and from several in Europe, with a very extensive series of apparatus from the principal makers in Europe made especially for this exhibit. The laboratories are divided into three sections—Physical Anthropology, Neurology and Psychology. In these laboratories the practical working of the apparatus is shown and any one who wishes can have, by the payment of a small fee, various tests applied and can be measured and recorded upon cards which are given to the person, while the record is made upon the charts and tables hanging on the walls of the laboratory to illustrate the various subjects. Here, too, are a series of skulls and skeletons and various models showing the physical characteristics of the various races and varieties of man. An interesting series of charts in the Physical Anthropological section is that illustrating the development of over 50,000 school children in various cities of North America; while another series of diagrams and maps shows the physical characteristics of the Indians of North America, as derived from measurements and observations upon nearly 20,000 Indians, recorded by about seventy-five special assistants of the department, who were engaged for nearly two years in this work. On the western gallery are the several historical collections in which are many interesting objects. The largest of these is the exhibit of the State of Ohio. Here, also, are the exhibits of postage stamps and coins. Following these are several special exhibits, including those of taxidermists' and naturalists' supplies. Extending the whole length of the southern gallery is the exhibit of Ward's Natural Science Establishment of Rochester, New York. This is a perfect museum of natural history and in it one sees all forms of animal life from the sponges to man, all admirably classified and arranged. On the eastern gallery are many exhibits of natural history. Particularly noticeable are those of the States of Maine, New York, Pennsylvania, Indiana, Ohio, Missouri, North Dakota and Colorado, which contain representatives of the

birds, mammals, fresh water and land shells and fossils of the various States. The exhibit of Agassiz Association is also on this gallery and gives a very interesting illustration of the work and high aims of this important association in increasing the love for natural history studies.

The exhibit of the Latin American bureau is made in the Anthropological Hall by the Bureau of American Republics under the supervision of the State Department of the United States. The condition, the geographical knowledge and science of navigation at the time Columbus undertook his trip, are shown by archæological collections. The life and history of Columbus are taken up and followed to his grave by a series of illustrations, in which every country is shown. Photographs of Watlings island and every place visited by Columbus in America and every place identified with him in Spain, are exhibited. The armor and equipment which were worn by his men; a collection of articles such as he used in trading with the Indians; how the Indians were overcome and how they defended themselves; fragments of the first civilized settlement in America brought from Santo Domingo, down to the present day in Latin America, are all properly grouped and shown.

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RESOLVED, That the Board of Reference and Control of the World's Columbian Commission does hereby adopt said Souvenir as the official Souvenir of the World's Columbian Exposition.

Office of the Secretary.

WORLD'S COLUMBIAN COMMISSION,

CHICAGO, February 23, 1893.

I hereby certify that the above is a true and correct copy of a resolution adopted by the Board of Reference and Control of the World's Columbian Commission, at a meeting held in Washington City, February 20, 1893.

Witness my hand and the seal of the World's Columbian Commission, this twenty-third day of February, 1893.

Signed:

JNO. T. DICKINSON, Secretary.

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CALCUTTA, INDIA.

SIDNEY, AUSTRALIA.

CLASSIFICATION.

ETHNOLOGICAL AND ARCHEOLOGICAL DEPARTMENT (M).

ETHNOLOGY, ARCHÆOLOGY, PROGRESS OF LABOR AND INVENTION.

GROUP 159.

VIEWS, PLANS OR MODELS OF PREHISTORIC ARCHITECTURAL MONUMENTS AND HABITATIONS.

- Class 939. Caves—natural, artificial; dwellings, natural and artificial.
- Class 940. Lacustrine dwellings—dolmens, tumuli, menhirs, cromlechs, alignments, cup-stones, graves, cists, crematories.
- Class 941. Cliff and other dwellings—models of dwellings, shelters, skin lodges, yourts, huts (of bark, grass, etc.), wooden houses.
- Class 942. Appurtenances.—Sweat-houses (models), totemposts (originals and models), gable ornaments, locks.

GROUP 160.

FURNITURE AND CLOTHING OF ABORIGINAL, UNCIVILIZED AND BUT PARTLY CIVILIZED RACES.

- Class 943. Household utensils and furniture.
- Class 944. Articles serving in the use of narcotics—pipes, etc.
- Class 945. Articles used in transportation.
- Class 946. Clothing and adornment.

GROUP 161.

IMPLEMENTS OF WAR AND THE CHASE.

(See also Groups 86 and 113.)

GROUP 162.

TOOLS AND IMPLEMENTS OF INDUSTRIAL OPERATIONS.

- Class 947. Gathering and storing food other than game.—Water vessels.
- Class 948. Articles used in cooking and eating.
- Class 949. Apparatus of making clothing and ornaments and of weaving.

GROUP 163.

ATHLETIC EXERCISES—GAMES.

GROUP 164.

OBJECTS OF SPIRITUAL SIGNIFICANCE AND VENERATION—REPRESENTATIONS OF DEITIES—APPLIANCES OF WORSHIP.

GROUP 165.

HISTORIC ARCHÆOLOGY—OBJECTS ILLUSTRATING THE PROGRESS OF NATIONS.

GROUP 166.

MODELS AND REPRESENTATIONS OF ANCIENT VESSELS, PARTICULARLY OF THE PERIOD OF THE DISCOVERY OF AMERICA.

GROUP 167.

REPRODUCTIONS OF ANCIENT MAPS, CHARTS, AND APPARATUS OF NAVIGATION.

- Class 950. Charts and maps of the world anterior to the voyage of Columbus.
- Class 951. Charts and maps following the discovery.
- Class 952. Charts and maps of the period of the early colonization of America.
- Class 953. Charts and maps of America and the World at the period of the Revolution and since.

GROUP 168.

MODELS AND REPRESENTATIONS OF ANCIENT BUILDINGS, CITIES, OR MONUMENTS OF THE HISTORIC PERIOD ANTERIOR TO THE DISCOVERY OF AMERICA.

GROUP 169.

MODELS AND REPRESENTATIONS OF HABITATIONS AND DWELLINGS BUILT SINCE THE DISCOVERY OF AMERICA.

GROUP 170.

ORIGINALS, COPIES, OR MODELS, OR GRAPHIC REPRESENTATIONS OF NOTABLE INVENTIONS.

GROUP 171.

OBJECTS ILLUSTRATING GENERALLY THE PROGRESS OF THE AMELIORATION OF THE CONDITIONS OF LIFE AND LABOR.

- Class 954. The evolution of the dwelling and its furniture.
- Class 955. The evolution of the plow and other implements of the farm and garden.
- Class 956. Evolution of tools.—The ax, saw, and other implements of handicraft.
- Class 957. Labor-saving machines and their effects.

GROUP 172.

WOMAN'S WORK.

GROUP 173.

STATE, NATIONAL, AND FOREIGN GOVERNMENT EXHIBITS.

GROUP 174.

THE NORTH AMERICAN INDIAN.

- Class 958. Special monographic exhibit of the tribes of America.
- Class 959. Villages or families of various tribes engaged in their native occupations.
- Class 960. Specimens of their special work and industries. Collections of Indian "trinkets" or curiosities.
- Class 961. Books or papers, written or printed, in his native tongue.
- Class 962. Means and methods of communication between tribes by "sign" language and "picture letters," etc. Status of females under tribal regulations.
- Class 963. Treaties and acquisition of territory from the various tribes, and how obtained.
- Class 964. Progress of Indian civilization through the efforts of the Government, missionaries, or by his own efforts and choice. His industrial pursuits and capabilities, as exemplified in the shop, on the farm and in the schoolroom. Inventions, etc.
- Class 965. Music. The "Columbian Indian Band," consisting of sixty or more instruments.
- Class 966. The allotment of lands to families and individuals, and its effects.
The Indian as an American citizen.
The hope of the Indian.
- Class 967. Other attainments and industries not specially mentioned. (For treatment of Indians, reservations, etc., see Class 831; also special Indian schools, see Class 848.)

GROUP 175.

PORTRAITS, BUSTS AND STATUES OF GREAT INVENTORS AND OTHERS WHO HAVE CONTRIBUTED LARGELY TO THE PROGRESS OF CIVILIZATION AND THE WELL-BEING OF MAN.

GROUP 176.

ISOLATED AND COLLECTIVE EXHIBITS.

- Class 968. The Latin-American Bureau.

Department M.--Ethnology, Archæology, Progress of Labor and Invention.

SECTION OF ARCHÆOLOGY.

INDIVIDUAL EXHIBITORS.

- Colorado State exhibit.
 South Carolina State exhibit.
 French Ministry of Public Instruction; Government exhibit. Foreign. Central America, through M. Desire Charnay, as delegate.
 Costa Rica Government exhibit. Foreign. Calvo, J. B., 1616 Nineteenth street, N.W., Washington, D. C. Individual exhibit. Foreign. Costa Rica.
 Canada Government exhibit. Foreign. Guthrie, E. L., 907 West Fourth street, Marion, Ind.
 Green, C. H., Durango, Cal.
 Greece Government exhibit. Foreign.
 Golson, Edward S., 741 Russell street, South Saginaw, Mich.
 Hales, Henry, Ridgewood, N. J.
 Honduras Government exhibit. Foreign.
 Indiana State exhibit.
 Johnson, H. L., 822 N. Market street, Nashville, Tenn.
 Kamensky, Theodore, 6540 Myrtle avenue, Woodlawn Park, Chicago.
 Knowlton, James E., Damariscotta, Lincoln County, Maine.
 Logan, F. G., 5 Board of Trade, Chicago.
 Missouri State exhibit.
 Maudslay, Alfred P., 11 Park Lane, London, W., England. Individual Foreign exhibit. Central America.
 Mexico Government exhibit. Foreign.
 New York State exhibit.
 New South Wales, Government exhibit. Foreign.
 Potter, Armond de, 645 Broadway, Albany, N. Y. Individual Foreign exhibit. Egypt.
 Peru, Government exhibit. Foreign.
 Riggs, C. W., 14 Madison street, Memphis, Tenn.
 Smith, Harlan J., Saginaw, E. S., Mich.
 Spain, Government exhibit. Foreign.
 Thompson, Edward H., United States Consulate, Merida, Yucatan. Individual Foreign exhibit. Central America.
 Utah, State exhibit.
 Wyman, Walter Channing, for Wyman Brothers, Union League Club, Chicago.
 Wisconsin, the State Historical Society of.
 Peabody Museum of American Archæology and Ethnology, Cambridge, Mass.
 Ayer, Edward E., Chicago.
 Hayssen, Dr. Henry H., New Holstein, Wis.
- Ohio Archæological and Historical Society, Columbus, Ohio.
 Linton, Mrs. Elwina, 35 Wall street, New York.
 Peralto, Josi Alejandro, Bishop of Panama. Department of Ethnology, under the direction of F. W. Putnam, chief.
 Wankel, H., Olmutz, Moravia.
 British Guiana, Government exhibit. Foreign.
 New York State exhibit.
 Hunt, George H., Oldtown, Maine.
 Colorado State exhibit.
 Department of Ethnology, under the direction of F. W. Putnam, chief.
 Dept. of Eth., U. S. Ind. Sec. of phys. Anth.
 Earl Barnes, Leland Stanford University, Palo Alto, Cal.
 F. Boas, Chicago, Ill.
 H. P. Bowditch, Boston, Mass.
 Felt & Tarrant, Chicago, Ill.
 E. Hitchcock, Amherst, Mass.
 Narragansett Machine Co., Providence, R. I.
 W. F. Porter, St. Louis, Mo.
 G. F. Peckham, Supt. Public Schools, Milwaukee, Wis.
 Peabody Museum of American Archæology and Ethnology, Cambridge, Mass.
 D. A. Sargent, Cambridge, Mass.
 State Board of Health of Massachusetts.
 University of Chicago, Chicago, Ill.
 M. Anna Wood, Wellesley, Mass.
 G. M. West, Chicago, Ill.
 Ward's Natural Science Establishment, Rochester, N. Y.
 Webb's Adder Co., New York, N. Y.
 Dept. of Ethnology; Foreign Countries; Individuals; Sec. of Physical Anthropology.
 John Beddoe, Bedford-on-Avon, England.
 A. Corre, Paris, France.
 Cambridge Scientific Instrument Company, Cambridge, England.
 J. Kollman, Basel, Switzerland.
 Bannwarth, Berne, Switzerland.
 L'Manouvrier, Paris, France.
 J. Ranke, Munich, Germany.
 E. Schmidt, Leipzig, Germany.
 Berliner Gesellschaft fir Anthropologie, Ethnologie und Urgerchiett, Berlin, Germany.
 R. Virchow, Berlin, Germany.
 Tambelli, Turin, Italy.
 C. E. Beaver.
 I. W. Blackburn, Government Hospital for the Insane, Washington.

DEPARTMENT M.—ETHNOLOGY, ARCHÆOLOGY.

- S. H. Champlin, College of Physicians and Surgeons, Chicago.
 James B. Bullitt, Louisville, Ky.
 F. X. Dercum, Philadelphia, Pa.
 H. H. Donaldson, Neurological Laboratory, University of Chicago.
 William Fuller, Grand Rapids, Michigan.
 L. Hektoen, Chicago, Ill.
 C. F. Hedge, Clark University, Worcester, Mass.
 M. H. Knap, Chicago, Ill.
 Lea Bros. & Co., Philadelphia, Pa.
 J. Leeb, Physiological Laboratory, University of Chicago.
 H. M. Lyman, Rush Medical College, Chicago, Ill.
 F. T. Miles, Baltimore, Md.
 Hugo Münsterberg, Harvard University, Cambridge, Mass.
 W. P. Northrup, New York, N. Y.
 M. Allen Starr, College Physicians and Surgeons, New York, N. Y.
 C. A. Strong, Psychological Laboratory, University of Chicago.
 Truax, Greene & Co., Chicago, Ill.
 W. F. Whitney, Harvard Medical School, Boston, Mass.
 B. G. Wilder, Cornell University.
 C. O. Whitman, Morphological Laboratory, University of Chicago.
 Isaac N. Kerlin, Elwyn Institute, Pennsylvania.
 L. Manouvrier, Societe d'Anthropologie, Paris, France.
 R. W. Reid, University of Aberdeen, Scotland.
- F. O. Schultze, University of Würzburg, Germany.
 G. Schwalbe, Strasburg, Germany.
 Adolph Zeigler, University of Freiburg, Germany.
 H. Vievordt, Lübingen, Germany.
 Johannes Ranke, Munich, Germany.
 Berliner Gesellschaft für Anthropologie, Ethnologie und Urgeschichte.
 Max Kohl, Chemnitz i-S, Germany.
 Stoerhrer & Sohn, Leipzig, Germany.
 R. Rothe, Prague, Wenzelsbad, Austria.
 F. Majer, Strassburg i-E, Germany.
 Wilhelm Petzold, Leipzig, Germany.
 R. Jung, Heidelberg, Germany.
 Kagenaar, Utrecht, Holland.
 Carl Krille, Leipzig, Germany.
 Leppin & Masche, Berlin, Germany.
 Emil Sydow, Berlin, Germany.
 Wilhelm Walb, Heidelberg, Germany.
 E. Zimmerman, Leipzig-Gohlis, Germany.
 H. Elbs, Freiburg i-B, Germany.
 Mariaud, Paris, France.
 P. Roulot, Paris, France.
 Charles Verdin, Paris, France.
 Cretes, Paris, France.
 D. J. Cunningham, University of Dublin, Dublin, Ireland.
 Eberstaller, University of Graz.
 Exner, University of Vienna, Vienna, Austria.
 Giacomini, University of Turin.
 Victor Horsley, University College, London, England.
 Jung, Heidelberg, Germany.

SECTION OF NATURAL HISTORY.

INDIVIDUAL EXHIBITORS.

- Agassiz Association, St. Louis, Mo.
 Bradley, A. H., Helena, Mont.
 Boehm, Albert, 408 Oakland street, St. Louis, Wis.
 Canada Government exhibit. Foreign.
 North Dakota State exhibit.
 Hart, W. W., & Co., 5 West Third street, New York.
 Kaempfer, Fred, 47 East Madison street, Chicago.
 Lattin, Frank H., Albion, N. Y.
 Missouri State exhibit.
 Maine State exhibit.
 New York State exhibit.
 Ohio State exhibit.
 Pennsylvania State exhibit.
 Stanisky, Gustav, & Co., 2346 Wabash avenue, Chicago.
- Stiles, Leander, 2533 Wabash avenue, Chicago.
 Sowdon & Webster, 738 Broadway, New York.
 Tolhurst, F. B., Livingstone, Mont.
 Vaughan, Mrs. Carrie Shields, Natchez, Miss.
 Ward's Natural Science Establishment, 16-26 College avenue, Rochester, N. Y., by Henry A. Ward, President.
 Warembath, Samuel, Tenafly, N. J.
 Colorado State exhibit.
 Fuchs, Louis, 614 N Street, Belleville, Ill.
 Gurley, Wm. F. E., Danville, Ill.
 Putnam, Esther, O., Cambridge, Mass.
 Sguyer, Homer, Mingsville, Mont.
 Indiana State exhibit.
 Hayssen, Dr. Henry H., New Holstein, Wis.

SECTION OF HISTORY.

INDIVIDUAL EXHIBITORS.

Palestine Exploration Fund, London, England. Foreign, Palestine.
 Beeker, Frank, 706 South Washington Square, Philadelphia, Pa. Individual Foreign exhibit, France.
 Bourilin, Dimetrius, Ivanovovo Voznesens, Russia. Individual Foreign exhibit, Russia.
 Bruegger, Gustav, Pullman, Ill. Individual Foreign exhibit, Swiss.
 Chute, James M., 14 Cedar street, Somerville, Mass.
 Farquhar, A. B., Harrisburg, Pa.
 Hayssen, Dr. Henry H., New Holstein, Wis.

Hooper, W. S., 638 W. Monroe street, Chicago, Ill.
 Joensch, Max A., Wahoo Brewery, Wahoo, Neb. Individual Foreign exhibit, European.
 Kelso, Tessa L., Public Library, Los Angeles, Cal.
 Kimball, W. S., Rochester, N. Y.
 Lloyd, Wm. Mareta, Schullsburg, Wis.
 MacDonald, A. E., 517 South Normal Parkway, Englewood, Ill.
 Luxton, G. H., 196 Oak street, Chicago, Ill. Ohio Archæological and Historical Society, Columbus, Ohio, State exhibit.
 Spriestersbach, William, Pittsburg, Pa.
 Wisconsin State Historical Society, State exhibit.

SECTION OF ETHNOLOGY.

INDIVIDUAL EXHIBITORS.

Angevine, M. H., Fort Yates, North Dakota.
 Calvo, J. B., 1616 Nineteenth street, N. W., Washington, D. C. Individual exhibit. Foreign, Costa Rica.
 Dyer, D. B., Kansas City, Mo.
 Grabill, John H., 113 Adams street, Chicago.
 Gunning, R. J., 79-83 Van Buren street, Chicago.
 Henderson, Alice Palmer, 2301 Clinton avenue, Minneapolis, Minn.
 Haupt, Herman, Jr., 606 Rialto Building, Chicago.
 Johnstone, Capt. R. S., New Travelers' Club, 97 Piccadilly, London, W. England. Individual foreign exhibit, Lagos, W. Africa.
 Kinney, Louise Catlin, 1730 K street, Washington, D. C.
 Kunz, George F., Tiffany & Co., Union Square, New York.
 Lawrence, G. A., Jocko, Montana.
 Lees, William, Egerton Villa, Heywood, Lancashire England. Individual Foreign exhibit, Japan.
 Lindle, John A., Albert-Lea, Minn. Individual Foreign exhibit, Sweden.
 Mead, H. Kimmington, Pinches Creek, Alta, N. W. T., Canada.
 McMillan, J., 91 W. Madison street, Chicago. Individual Foreign exhibit, West Africa.
 Mexico Government exhibit. Foreign.
 Royal Natural History Museum, Vienna, Austria. Foreign.
 New York State exhibit.
 New South Wales Government exhibit. Foreign.
 Paraguay Government exhibit. Foreign.
 Babcock, Oliver M., 1401 Washington boulevard, Chicago.
 British Guiana Government exhibit. Foreign.

Remengi, E., LaGrange, Ill. Individual Foreign exhibit, Tulas of East Africa and Madagascar.
 Russia, Government exhibit. Foreign.
 Shutleff, Harvey, 828 Polk street, Chicago, Ill.
 Swan, James G., Port Townsend, Wash.
 Spain, Government exhibit. Foreign.
 Utah State exhibit.
 Waterman, Henry B., 3436 Rhodes avenue Chicago. Individual Foreign exhibit, Japan and East Indies.
 Museum für Völkerkunde, Leipzig.
 Anthropologische Gesellschaft, Vienna.
 K. K. Naturhistorisches Hofmuseum, Vienna.
 K. Museum für Völkerkunde, Berlin, Germany.
 Fletcher, Alice C., Washington, D. C.
 Nuttall, Zelia, Dresden, Germany.
 Department of Archæology and Palæontology, University of Pennsylvania, Philadelphia.
 Egyptian section, Department of Archæology and Palæontology, University of Pennsylvania, Philadelphia. Mrs. Cornelius Stevenson, curator.
 Milton Bradley Co., Springfield, Mass.
 Lady Charlotte Schreiber, 17 Cavendish Square, London, England.
 Brunswick Balke-Collender Co., Chicago, Ill.
 W. H. Wilkinson, Esq., H. B. M. Consul, Swatow, China.
 Mr. C. Howard Colkel, 1334 Walnut street, Philadelphia.
 Library of the University of Pennsylvania, Philadelphia.
 Mr. Stewart Culin, University of Pennsylvania, Philadelphia.
 The Numismatic and Antiquarian Society of Philadelphia, Philadelphia.

DEPARTMENT M.—ETHNOLOGY, ARCHÆOLOGY.

Mrs. Stewart Culin, 105 South Twenty-second street, Philadelphia.
 Dick & Fitzgerald, New York City.
 Mrs. I. K. Van Rensselaer, 40 E. Twentyninth street, New York City.
 McLaughlin Bros., 871 Broadway, New York City.

Mrs. E. A. P. de Gueirero, 260 South Ninth street, Philadelphia.
 Mr. H. C. Thomas.
 Mr. Charles E. Dana, DeLancy Place, Philadelphia.

AUSTRIA.

GROUP 171.

1. **Collective Exhibit of the following Austrian inventors:** C. Back, Vienna; S. Bohac, Vienna; Joachim Brenner Freiherr von Schloss Gamfahn, near Vienna; Fr. Cuhel, Dr., Prague; Rudolf Dolezal, Prague; Feitzinger & Co., Vienna; Josef Fischer, Vienna; S. B. Hawes, Dr., American Consul at Reichenberg (Bohemia); E. S. Heller, Tgjan (Moravia); Baldwin Hellers Sones, Teplitz (Bohemia); O. L. Ritter von Slauor, Lee-Villa am Attersee (Upper Austria); Robert B. Sentsch, Ingenieur, Vienna; G. Josephy's Erben, Bielitz (Silesia); Julius

Katz, Vienna; Karl Kellner, Vienna; Richard Klimger, Ingenieur, Vienna; K. Krivanc & Co., Prague; Theodor Langer, Ingenieur, Vienna; Alois von Luttrotti, Pödsued und Vienna; Ferdinand Ritter von Manlicher, Oberingenieur, Vienna; Franz Michel K. K. Hoftischler, Vienna; Johann Nadler, Vienna; Fr. Pohl, Tetschen a Elbe; Adolf Rack, Vienna; Jenny F. W. Schindler, Kemsmeibach, near Bregenz; Alois Schneider, Mariaschein (Bohemia); Wilhelmine Semler, Vienna; Ottokar Skrivan, Prague; Anton Springer, Kasten (Lower Austria); Rudolf Tanczos, Vienna; Johann Weissenbeck & Co., Vienna, and Alois Winkler & Co., Vienna.

CANADA.

GROUP 167.

1. Daly, Alexander F., Montreal. Mariner's compass. 953

GROUP 173.

2. Love, W. H., St. John, N. B. Shield of military buttons.

GROUP 174.

3. Burt, R. C., Chatham, Ont. Indian curiosities. 960
 4. Canadian Government (Department of Indian Affairs). Ottawa, Ont. Indian exhibits. 960

CEYLON.

GROUP 160.

1. Ceylon Commission. Models of Vedda man and woman, with articles used by them. 943
 2. Ceylon Commission. Baskets. 943

GROUP 162.

3. Ceylon Commission. Model of brick, tile, lime and pottery kilns. 949

GROUP 163.

4. Ceylon Commission. Games.
 5. Colombo Museum. Olinda pad.

GROUP 164.

6. Ceylon Commission. Figure of Buddhist monk, devil-dancers' masks.
 7. Chas. W., Appuhami. Bronze Buddha.
 8. Colombo Museum, Ceylon. Dagoba and model of Buddha's tooth.

GROUP 169.

9. Ceylon Commission. Model of Sinhalese hut with articles of daily use.

GROUP 171.

10. Ceylon Government (presented by the Sultan). Articles illustrating the progress and conditions of life in Ceylon.

DENMARK.

GROUP 159.

1. Petersen, Magnus, Copenhagen. Archæological engravings. Dept. L

GERMANY.

GROUP 164.

1. Ferlings, F., Crefeld. Ecclesiastical vestments and textures.
2. Fischer, Carl, Munich. Colossal crucifix; images of saints.
3. Fischer, Th., Crefeld. Images of saints on copper plates.
4. Frey, Johann, Munich. Madonna with infant.
5. Gotzes, Th., Crefeld. Ecclesiastical objects and textures.
6. Hartmann, Albert, vorm. L. Biwus, Augsburg. Enameled cups and vases.
7. Hellner, Fritz, Xaver, Kempen. Ecclesiastical vessels of all kinds.
8. Krieg, Josef, Freiburg-Baden. Ecclesiastical vestments.
9. Lang, Gg. sel. Erben, Oberammergan. Crucifixes, religious groups, altar, etc.
10. Leser, Jakob, Straubing. Gothic monstrances and rococo monstrance.
11. Mayer & Co., Munich. Ecclesiastical outfit.
12. Ortmann, Josef, Firma Al. Kronnenbitter, Munich. Cups and silver vessels.
13. Osiander, Geschwister, Ravensburg. Embroidered robes of gold brocade.
14. Photographische Gesellschaft, Berlin. Reproductions of religious pictures.
15. Rieppel, Marianne, Firm. Ferd. Rieppel, Munich. Embroidered mass robe, etc.
16. Riesenhuber, Alois, Munich. Altar, sacred figure.
17. Rietzler, F. X., Munich. Ecclesiastical figures.
18. Schaidhauf, Johann, Munich. Altars.
19. Schuelter, Th., Cologne. Statues, images.
20. Schreibmayer, T. G., Munich. Embroidered ecclesiastical robe.

21. Wasinger, Anton, Munich. Virgin Mary; holy water basins.
22. Werner, Franz P., Munich. Ecclesiastical banners, etc.
23. Wolf, Barbara Frll., Munich-Neuhausen. Designs for ecclesiastic embroideries.
24. Zorns, Auzmann, Augsburg. Rosaries.

GROUP 165.

25. Assu, Otto, Munich. Ancient artistic goblets.
26. Reinhold, Karl, Jr., Munich. Miniature historical costume figures with arms.
27. Schwarzenberg, C., Munich. Reproductions of ancient arms and armors.

GROUP 168.

28. Nebelacker, Joseph, Ludwigshafen-on-the-Rhine. Model of the interior of Roman house.

GROUP 169.

29. Deutsche Ethnographische Ausstellungs-Gesellschaft, Berlin. German village.
30. Ministerium fuer Elsas-Lohringan, Stranburg-Alsace. Relief model representing the vicinity of Sewen.
31. Uebelacker, Joseph, Ludwigshafen-on-the-Rhine. The Castle of Heidelberg before its destruction.

GROUP 170.

32. Keidel & Co., Berlin. German inventions of various kinds.

GROUP 171.

33. Niebler, Alois, Munich. Ancient German chairs and table. 954

ITALY.

GROUP 168.

- | | |
|---|---|
| 1. Finzi, Giuseppe, Venice. Ancient artistic objects. | 2. Manfredi-Frattarelli, Antonio, Rome. Ancient marble reservoir. |
|---|---|

NORWAY.

GROUP 166.

1. **Norwegian Commission.** Viking ship "Norwegian," an exact reproduction of the vessel exhumed in 1880 from a mound at Gogstad, near Sandefjord, Norway, now preserved in the university at Christiania and known as the Gogstad-ship. In a sepulchre built in the vessel were found

human remains, and it is supposed by archæologists that the vessel was buried with its Viking-chief in the mound, about the year 900. The fac-simile sailed from Norway via New York to Chicago, under the command of Capt. Magnus Anderson.

SWEDEN.

GROUP 159.

1. **Nordenskiold, G., Jr., Stockholm.** Model of an estufa and photographs of cliff dwellings of Colorado. 941

GROUP 165.

2. **Battzer, C. E. L., Gothenburg.** Rock engravings of Bohuslan, Sweden; cartoons, etc.
3. **Beskow, Bernhard, Gothenburg.** Old Scandinavian ornaments; scenes from Viking life; barrow with runic stone.
4. **Bcoattins, C., Gothenburg.** Models, maps and engravings on Central American archæology.

GROUP 166.

5. **Beskow, Bernhard, Gothenburg.** Viking ship.

GROUP 167.

6. **Nordenskiold, A. E., Stockholm.** Copies of maps and globes of sixteenth century. 951

GROUP 168.

7. **Rosman, Sven, Wisby.** Model of the Church of the Holy Ghost at Wisby.

GROUP 172.

8. **Adelberg, Miss Ottilia, Stockholm.** Original drawings.
9. **Ahlborn, Mrs. Led, Stockholm.** Carved show-case with escutcheons; bronze reliefs; medals.
10. **Ahrberg, Mrs. Ebba, Upsala.** Antimacassars and sofa and chair covers in guipure lace work.
11. **Bergstrom, Miss Therese, Stockholm.** Carved portfolio, renaissance style.
12. **Boberg, Mrs. Anna, Stockholm.** Imitation gobelin decorative painting.
13. **Boklund, Miss Cecilia, Stockholm.** Painted glass window.
14. **Brunsson, Miss Johanna, Stockholm.** Portiere.
15. **Committee of Swedish Ladies, Stockholm.** History and statements of the social position of women in Sweden; statistics of female students at University of Sweden; women's work in schools, public service, trade, industry, hospitals, philanthropy, etc.; works and portraits of female Swedish authors, artists and musicians; album of female art-industry.
16. **Gisberg, Miss Sofia, Stockholm.** Specimen of illuminating.

17. **Handarhetets Vanner, Stockholm.** Hangings, draperies, cushions, tapestries, carpets, screens, counterpanes, embroideries, etc.

18. **Holck, Miss Helene, Stockholm.** Vases of Assyrian and old Scandinavian style.

19. **Ingslotz, Miss Aurord, Wadstena.** Pillow lace.

20. **Kulle, Mrs. Thora, Lund.** Swedish royal arms and counterpane.

21. **Lindgren, Miss Hilda, Gothenburg.** Portrait of H. R. M. the Queen of Sweden.

22. **Lindberg, Miss Lydia, Stockholm.** Portfolio of embossed leather.

23. **Lundin, Hulda, Stockholm.** Articles made by public school children, showing system of teaching needle-work.

24. **Menkow, Miss Gustava, Stockholm.** Portfolio and Bible cover of embossed leather.

25. **Nilsson, Miss Emilie, Wermland.** Linen towels.

26. **Nordquist, Miss Marianne, Stockholm.** Portfolio of embossed leather.

27. **Olsson, Miss Bengtra, Bjerrod.** Gobelin tapestry.

28. **Olsson, Mrs. Cilluf, Kjeflinge.** Linen hangings and table cover.

29. **Pettersson, Mrs. Hilda, Stockholm.** Glass etchings and designs, cups, etc.

30. **Randel, Miss Ch., Wadstena.** Pillow lace and silk embroidery.

31. **Retzius, Mrs. Anna, Stockholm.** Plaster bust of Fredrika Bremer.

32. **Schuberth, Mrs. Mathilda, Elfsjo,** Stockholm. Embroidered handkerchief.

33. **Svensk Konstlojd Utstalling, Stockholm.** Folding screens in Icelandic style.

34. **Wengberg, Miss Clara, Helsingborg.** Lace border for handkerchief.

35. **Widsbeck, Misses Maria and Wastberg, Stockholm.** Psalms in church-text on parchment.

36. **Zickerman, Miss Lilli, Skofde.** Embroidered portiere.

GROUP 173.

37. **Nordiska Museet, Stockholm.** Figures representing peasant costumes; interior of cottage; incidents in peasant life.

38. **Svenska Turistforeningen, Stockholm.** Exhibit showing Swedish nature and culture, development of transportation, money-system, topography, the press decorative orders, sports, athletics, etc.

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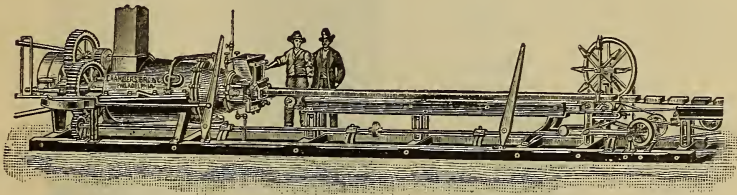


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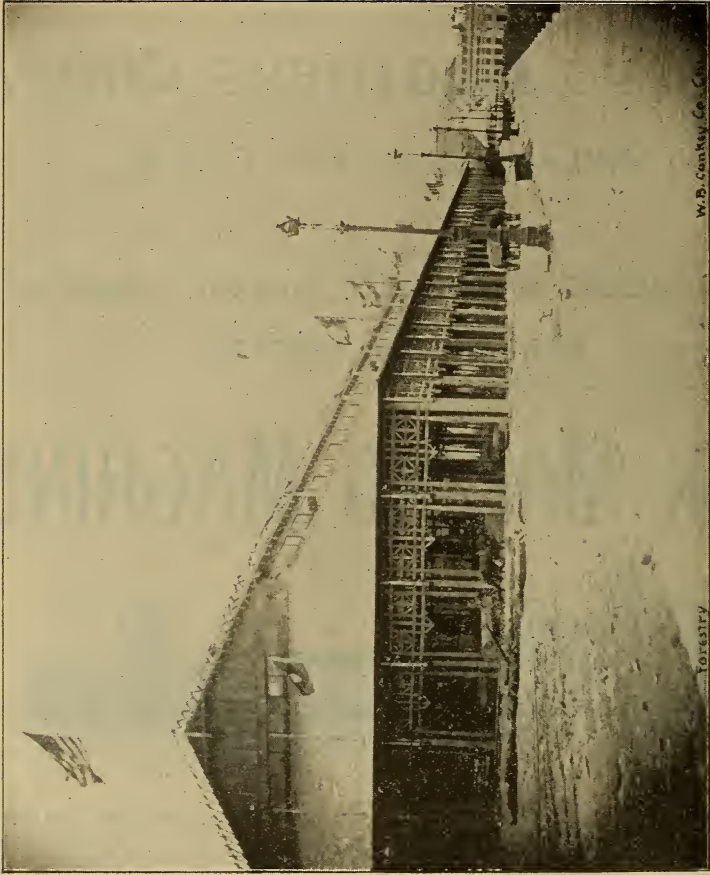


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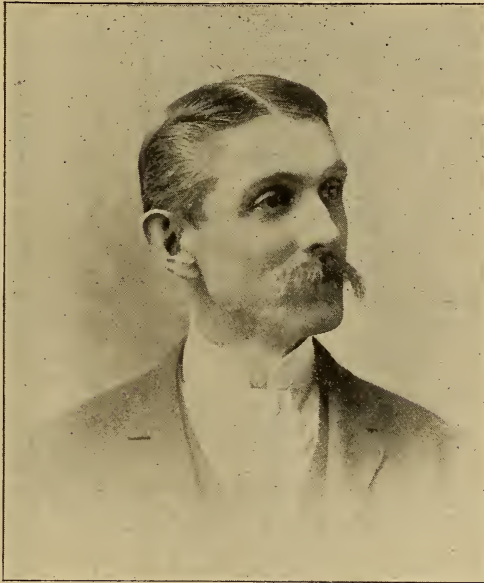
DEPARTMENT N—FORESTRY.

THE forest resources of the world are exhibited in the Forestry Building, which is one of the most interesting and unique structures on the grounds. It is made of wood and has a colonnade composed of tree trunks sent from almost every State in the Union. For instance: Arkansas furnished pine, white oak, red oak and sassafras; California, sugar pine, redwood and trunks of the young sequoia; Delaware, red cedar, white oak and white ash; Kansas, burr oak, hickory, huckleberry, sycamore and walnut; Minnesota, white pine, sugar maple, ash, oak, cottonwood, spruce, box cedar, tamarack and elm; Wisconsin, pine, white oak, basswood, elm, birch and spruce. Vestibule of yellow pine, artistic in design and erected by the Southern Lumber Manufacturer's Association has

been constructed at the main eastern entrance. It is located in the southeastern portion of the grounds and its dimensions are 200 by 500 feet, height of sixty feet. Surrounding the building is a spacious portico each of the columns of which is formed of three trunks in their natural state contributed above by the various States, Territories and Canada, characteristic of the woods. Each trunk contains a tablet, engraved with the name of the State or Territory, furnishing an estimate of the quantity of such timber available in the various States, Territories and Canada, characteristic of the woods. Each trunk on which is engraved the name of the tree, the Territory or Province, furnishing an estimate of the quantity of the timber available in the various States, Territories and Canada, characteristic of the woods. Each trunk on which is engraved the name of the tree, the Territory or Province, furnishing an estimate of the quantity of the timber available in the various States, Territories and Canada, characteristic of the woods.

The exhibits group 19 of the

tion embrace a variety of forest products including samples of wood and timber; ornamental woods, dye-woods, barks and vegetable substances; gums and resins; medicinal roots and herbs; wood pulp, paper and wooden ware; seed collections; statistics of the lumber trade and of forestry, etc., the whole being of great interest to visitors.



SUPT. L. M. EVANS.

at the main eastern entrance. It is located in the southeastern portion of the grounds and its dimensions are 200 by 500 feet, height of sixty feet. Surrounding the building is a spacious portico each of the columns of which is formed of three trunks in their natural state contributed above by the various States, Territories and Canada, characteristic of the woods. Each trunk contains a tablet, engraved with the name of the State or Territory, furnishing an estimate of the quantity of such timber available in the various States, Territories and Canada, characteristic of the woods. Each trunk on which is engraved the name of the tree, the Territory or Province, furnishing an estimate of the quantity of the timber available in the various States, Territories and Canada, characteristic of the woods.

comprised in the official classification

CLASSIFICATION.

FOREST AND FORESTRY DEPARTMENT (N).

GROUP 19.

FORESTRY, FOREST PRODUCTS.

- Class 99. Logs and sections of trees; samples of wood and timber of all kinds generally used in construction or manufactures, either in the rough or hewed, sawed or split, including square timber, joists, scantling, plank and boards of all sizes and kinds commonly sold for building purposes. Also ship timber, as used in ship-building, or for masts and spars; piles, timber for fencing, for posts, for paving or for timbering mines. Miscellaneous collections of wood.
- Class 100. Worked timber or lumber, in form of clapboards, shingles, sheathing or flooring casings, moldings, stair rails or parts of furniture.
- Class 101. Ornamental wood used in decorating and for furniture; veneers of hard and fancy woods; mahogany logs, crotches and veneers; rosewood; satin-wood, ebony, birds-eye maple, madrona, black walnut veneers and other fancy woods suitable for, and used for ornamental purposes.
- Class 102. Timber prepared in various ways to resist decay.
- Class 103. Dyeing, tanning and coloring—dye-woods, barks, and various vegetable substances in their raw state, used for dyeing and coloring, such as logwood, Brazil wood, peach wood, fustic, sumac.
Barks of various kinds, Brazilian, acacias, oak, hemlock, murici, bicida, gordonia. Galls, excrescences and abnormal woody products. Mosses used for dyeing and coloring.
- Class 104. Cellular substances—corks and substitutes for cork of vegetable growth; porous woods for special uses, pith, rice-paper, etc.
- Class 105. Lichens, mosses, pulu, ferns and vegetable substances used for bedding, for upholstery, or for mechanical purposes, as teazles, Dutch rushes, scouring grass, etc., "Excelsior."
- Class 106. Gums, resins, vegetable wax or tallow wax, including caoutchouc, gum senegal, tragacanth, Arabic, mesquite gum, myrrh, copal, etc.
- Class 107. Seeds and fruits, for ornamental purposes; vegetable ivory, coquilla nuts, cocoa-nut shells, ganitrus beads, bottle gourds, etc.
- Class 108. Medicinal: roots, herbs, barks, mosses, berries, etc.
Miscellaneous products.
- Class 109. Wood pulp, for making paper and other objects.
- Class 110. Paper and wooden ware generally, as pails, tubs, platters, brooms, coopers' stock.
- Class 111. Basket industry—willow-ware, etc.
- Class 112. Rattan, bamboo and cane work in part. (For rattan furniture, see also Group 90.)
- Class 113. Forest botany—distribution of forests, of genera, of species (maps).
Wood sections and herbarium specimens of the economically important timber trees.
Seed collections, not herbarium, etc.
Illustrations of forest growth, typical trees, botanical features.
Anatomy and structure of woods. (Veneer sections and photo-micrographs.)
Peculiarities of forest growth—Cypress-knees, burls.
Diseases of forest trees and timber. Injurious insects.
- Class 114. Timber culture—Plant material—Conifers, seedlings, and transplants.
Broad-leaved trees. Seedlings, transplants of various sizes, cuttings.
Seed collections and means for storing seed.
Means employed in gathering and preparing seed and other plant material for the market, and seed testing.
- Class 115. Timber culture and cultivation—Implements for the cultivation of the soil. Special adaptations.
Sewing machines and tools.
Implements and machines used for planting.
Implements used in after-culture. Means of protection against insects, animals, climate.
Seed-beds and other graphic illustrations of nursery practice.
- Class 116. Forest management—Maps, plans, illustrations, calculations illustrating forest management.
Instruments for measuring standing timber.
Growth of different ages and soils. Graphic or other illustrations showing rate of growth. Graphic or other illustrations showing influence of various managements on tree-growth.
Statistics of lumber trade and of forestry.

Exhibits showing relation of forests to climate.
Literature and educational means.

- Class 117. Lumbering and harvesting of forest products. The lumbering industry. Logging and transportation. Implements, machines, plans, drawings, and statistical material. Loggers' tools, stump-pulling devices, marking devices, measuring tools. Loading devices, sleds, flumes, slides, rope tram-ways, railroads, methods of water transportation, rafts, booms, etc.
The tan-bark industry. Other barks.
The turpentine industry.
The charcoal industry.
- Class 118. Preparation and manipulation of lumber. Dressing, shaping and preparation of wood. Hewing of logs, spars, etc. Shaping of knees. Sawing and milling. Drying and seasoning of wood, kiln-drying, steam-bending, etc.

Department N.--Forestry and Forest Products.

UNITED STATES.

GROUP 19.

1. Albro, E. D., Co., Cincinnati. Cabinet woods and veneers. 101
2. Armstrong Bros. & Co., Pittsburg. Cork specialties. 104
3. Berry Bros., Detroit, Mich. Redwood plank. 99
4. Compound Lumber Co., Chicago. Hardwood doors. 100
5. Garrison Wood Turning Co., Chicago. Balusters, spindles and wood turnings, etc. 100
6. Hartwell, Edwin S., Chicago. Lumber and shingles. 100
7. Jesup, Morris K., New York. Native woods. 100
8. Korbel, F., & Bros., San Francisco. Redwood tanks. 110
9. Ludington Woodenware Co., Ludington, Mich. Woodenware. H-59 110
10. Mathieu, Josephine, Chicago. Apparatus for manufacturing charcoal, wood alcohol, etc. 108
11. McCready, R. W., Cork Co., Chicago. Cork and cork handles. 104
12. National Ladder Co., Clyde, Ill. Woodenware. 110
13. Oshkosh Logging Tool Co., Oshkosh, Wis. Loggers and lumbermen's tools. 117
14. Piedmont Pulp & Paper Co., Piedmont, W. Va. Wood fibre and paper. 109
15. Redlich M'fg Co., Chicago. Cork and woodenware. 104
16. Richmond Cedar Works, Richmond, Va. Woodenware. 110
17. Richardi & Bechtold, Bellaire, Mich. Household woodenware. 110
18. Seaman, Cox & Brown Cooperage Co., Chicago. Coopers' stock. 110
19. Stein, Hirsch & Co., Chicago. Gums. F-D-8, Dept. A 106
20. Two Rivers M'fg Co., Two Rivers, Wis. Wooden tubs and pails. 110
21. United Indurated Fibre Co., Chicago. Pails, washtubs, measures, basins, vases, etc. 110
22. Vanderbilt, Geo. W., New York. Working plans of forests with maps, photographs and products. 116
23. Wood, Mrs. Eliza A., Easton, N. Y. Mop pail. 110

INDIANA.

GROUP 19.

1. Board of World's Fair Managers, Indianapolis, Ind. Specimens of native woods. 99

2. Board of World's Fair Managers, Indianapolis. Maps, showing distribution, charts, showing relative amounts of most important forms. 113
3. Indiana Novelty Co., Plymouth. Exhibit of hardwoods. 99

KENTUCKY.

GROUP 19.

1. Abbott, J. H., Louisa. Rhododendron. 99
2. Allen, A. W., Glasgow. Paw-paw. 99
3. Arnold, S. M., Greenville. Locust. 99
4. Asher Lumber Co., Ford. Birch. 99
5. Atkins, L. S., Louisa. Laurel. 99
6. Atkinson, John B., Earlington. Oak. 99
7. Bain, E. R., Campbellsville. Cherry. 99
8. Ballentine, Henry, Rumsey. Osier. 99
9. Bassett, R. J. & Bro., Litchfield. Gum. 99
10. Big Sandy Lumber Co., Catlettsburg. Pine. 99
11. Black, Q. D., Barbourville. Oak. 99
12. Blain & Bond, Caneyville. Pine. 99
13. Brady, J. J., Morehead. Service berry. 99
14. Breckenridge Co., Cloverport. Balm gilead. 99
15. Broas, R. M., Ashland. Oak. 99
16. Buckner, S. B., Rio. Oak. 99
17. Busle & Curran, Lexington. Alianthus. 99
18. Bussey & Webb, Louisa. Magnolia. 99
19. Cahorn, J. M., Hadley. Gum. 99
20. Campbell, Geo. W., Bowling Green. Oak and coffee tree. 99
21. Campbellsville Lumber Co., Campbellsville. Chestnut. 99
22. Carey & Marble, Owensboro. Walnut. 99
23. Castleman, John B., Louisville. Oak. 99
24. Chamberlain, J. B., Greensburg. Cedar. 99
25. Chicago Lumber Company, Ashland. Osage orange. 99
26. Choate, Wakefield, Frankfort. Ash. 99
27. Clark Planing Mills Co., Ashland. Box elder. 99
28. Cloves, Joseph, Sons, Frankfort. Oak. 99
29. Coale, Jarrett, Paw Paw. Plum. 99
30. Cobb, Rowland, Clay City. Pine. 99
31. Cole, Columbus, Woodbury. Beach. 99
32. Collins Lumber Co., Maysville. Mui-berry. 99

DEPARTMENT N.—FORESTRY.

33. Collins & Murphy, Macedonia. Hazel-nut. 99
34. Coughton, J. T. & Bro., Frankfort. Hickory. 99
35. Cumberland Co., Middlesborough. Mulberry. 99
36. Davidson, V. A., Barboursville. Maple. 99
37. Dean & Barrockett, Flat Lick. Elm. 99
38. Dodge & Tarr, Lexington. Hackberry. 99
39. Elliott, Green, Barboursville. Maple. 99
40. Fagan, G. W., Pine Hill. Laurel. 99
41. Fiers, J. B., Bear Wallow. Sorrell. 99
42. Fuqua, J. A., Owensboro. Oak. 99
43. Gamble Bros. & Co., Louisville. Hickory. 99
44. Ganton, H. C., Mammoth Cave. Oak. 99
45. Gotliff & Chestnut, Corbin. Poplar. 99
46. Grundy, W. H., Bremen. Bass wood. 99
47. Hale, A. E., Flat Lick. Elm. 99
48. Hall, W. W., Redwine. Barberry. 99
49. Hamilton, W. G. & Co., Louisville. Chinquapin. 99
50. Hammond, J. & Co., Flat Lick. Elm. 99
51. Henry Cooling Lumber Co., Louisville. Hickory. 99
52. Hoge, Chas. E., Frankfort. Oak. 99
53. Hubbard, E. R. & Co., Middlesborough. Leather wood. 99
54. Hughes, W. J. & Co., Frankfort. Elder. 99
55. Hunter & Martin, Litchfield. Gum. 99
56. Ingram, Frank & Co, Louisville. Ironwood. 99
57. Ingram Lumber Co., Drakesboro. Thorn. 99
58. Johnson & Bowling, Guthrie. Gum. 99
59. Kelly, H. R., Barboursville. Maple. 99
60. Kentucky Lumber Co., Burnside. Cherry. 99
61. Keys Creek Planing Mill, Ashland. Hackberry. 99
62. Knott, J. Proctor, Frankfort. Chestnut. 99
63. Kountz, S., Frankfort. Oak. 99
64. Lanham & Bar, Lebanon. Sassafras. 99
65. Langley, Lewis, Clarkson. Pine. 99
66. Langstaff & Orme M'fg, Paducah. Cypress and hemlock. 99
67. Lindsay, R. S., Newstead. Haw. 99
68. Lingut, John, Lexington. Buckeye. 99
69. Livezy, I. W. & Co., Newport. Birch. 99
70. Louisville Spoke Co., Louisville. Oak. 99
71. Louisville Stave & Lumber Co. Birch. 99
72. Lucas, F. M., Covington. Poplar. 99
73. Mammoth Cave R. R. Co., Mammoth Cave. Box of oak. 99
74. Maney, J. H., Paducah. Dogwoods. 99
75. Mark, M. B., Morehead. Birch. 99
76. Maysville M'fg, Maysville. Oak. 99
77. McKeehan, E. Y., Corbin. Aspen. 99
78. Meacham, J. S. & Co., Gracey. Persimmon. 99
79. Meredith, Frederic, Bee Spring. Chestnut. 99
80. Moody, G. E. & Co., Louisville. Hornbeam. 99
81. Moore & Sullinger, Hartford. Gum. 99
82. Moriarty, P., Ashland. Holly. 99
83. Morton Bros., Drakesboro. Elm. 99
84. Nash, P., Milwood. Alder. 99
85. Northup, Jay H., Louisa. Chestnut. 99
86. Numnelly, G. H., Georgetown. Ash. 99
87. Ohio Scroll & Lumber Co., Covington. Sycamore. 99
88. Osbrow, J. F., Frenchburg. Ash. 99
89. Page, F. S., Glasgow. Paw-paw. 99
90. Parker, James, Bryant's Store. Basswood. 99
91. Payne & Graves, Ogden. Haw. 99
92. Peale, F. M., & Co., Carlisle. Pine. 99
93. Pence, W. S., Frankfort. Red bud. 99
94. Pioneer Lumber Co., Middlesborough. Pecan. 99
95. Preston, A., Richardson. Osier. 99
96. Pritchard, R. H., Catlettsburg. Oak. 99
97. Proctor, L. J., Glasgow Junction. Oak. 99
98. Proctor & Troutman, Louisville. Red birch. 99
99. Richards, A. E., Louisville. Chestnut. 99
100. Robinson, Warren, Louisa. Magnolia. 99
101. Ruby, J. E., Madisonville. Witch hazel. 99
102. Rule, P. S., & Co., Frankfort. Hickory. 99
103. Runyon, James, Ashland. Maple. 99
104. Saller, W. J., Danville. Thorn. 99
105. Shearman, H. C., & Co., Owingsville. Spice wood. 99
106. Shropshire, J. R., Georgetown. Ash. 99
107. Singer M'fg Co., Cincinnati, Ohio. Walnut. 99
108. Slusher & Mitchell, Middlesborough. Alder. 99
109. Smallhouse, Chas. G., Bowling Green. Oak. 99
110. Soudy, J. H., Louisa. Magnolia. 99
111. Spotswood, E. H., & Son, Lexington. Magnolia. 99
112. Stamps, J. A., Bonnieville. Basswood. 99
113. Standard Planing Mill Co., Ashland. Maple. 99
114. Stevens, Geo. & Co., Greenup. Sturtia. 99
115. Stone, John E., Litchfield. Chestnut. 99
116. Stone, J. K., Newport. Sorrell tree. 99
117. Tamlin, J. E., Somerset. Willow. 99
118. Tarr Bros., Paris. Plum. 99
119. Templin & Co., Paris. Hawthorne. 99
120. Trig, H. C., Glasgow. Oak. 99
121. Vanmeter, Mrs. Mary, Bowling Green. Oak. 99

UNITED STATES.

122. Vanmeter, Chas. J., Bowling, Green. Oak. 99
 123. Watkins, N. M., Smithfield. Willow. 99
 124. Weather, T. J., Chilesburg. Pine. 99
 125. White, J. W., Millwood. Crabapple. 99
 126. White, W. M., Lawrenceburg. Fringe tree. 99
 127. Williams, W. J., Catlettsburg. Oak. 99
 128. Williamson & Bro., Lexington. Buckeye. 99
 129. Winstead, W. R., Grove Centre. Locust. 99
 130. Wood, Hunter, Hopkinsville. Oak. 99
 131. Woolsey, Joseph, Big Reedy. Sheepberry. 99
 132. Yellow Poplar Lumber Co., Ashland. Yellow poplar. 99

MISSOURI.

GROUP 19.

1. Beal, D. L., Varner. Red and scarlet oak. 99
 2. Bedford, Mr., Bloomfield. Elder. 99
 3. Blevins, Mr., Varner. Black oak, hercules club, service berry. 99
 4. Board of World's Fair Managers, Jefferson City. Blue ash, aspen, buckeye, catalpa, black wild cherry, dogwood, gum, hackberry, hickory, holly, linden, maple, pine, poplar, red bud, sassafras, willow alder, bittersweet, blackberry, haw brunichia, rattan, Carolina rose, prairie rose, saw-briar, sheepberry, St. Johns-wort, strawberry bush, sumach, trachelospernum, trumper creeper, waahoo, wafer ash, wisteria, oak, buckthorn, button bush, chokeberry, cissus, corkwood, crabapple, cross vine, dewberry, elder, sparkleberry, foresteira, grape, greenbrier, wild hydrangia, arrowroot, itea, kinnikinnick, moonseed, pipevine, planetree, wild plum, raspberry. 113
 5. Boyden & Wyman, Meelyville. Gum, hackberry, hickory, silver maple, cow, white and willow oak. 99
 6. Buck, Mr., Bloomfield. Laurel and pin oak, black and white walnut. 99
 7. Dawson & Hunter, Henderson. Cypress, gum, red maple, oak, sycamore, cotton wood, burr oak. 99
 8. Eaton, L. A., Varner. Ash, birch, elm, hackberry, honey locust, mulberry. 99
 9. Harrison, Mr., Idalia. Beech, elm. 99
 10. Hogg, J. R., Poplar Bluff. Horn beam, persimmon, crabapple, hazel nut, poison ivy. 99
 11. Louis & Bubb, Doniphan. Pine. 99
 12. Poplar Bluff Lumber Co., Poplar Bluff. Black sugar maple, white oak, tulip tree. 99
 13. Scranton, R. A., Idalia. Holly. 99
 14. Ward Lumber Co., Whiting. Ash, red oak, pecan. 99
 15. Wilson, Mr., Idalia. Cucumber tree. 99

OHIO.

GROUP 19.

1. Avery, A., Rome. Elm trees. 99
 2. Beery, E., Sugar Grove. Birch trees. 99
 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, beach, oak, chestnut, black willow, asper, pine. Also polished specimens. 99
 b Native medicinal roots, barks, plants. 108
 c Photos of Ohio trees. 113
 4. Boyne, J., Orwell. Ash trees. 99
 5. Coles, J. A., Columbus. Native woods. 99
 6. Dennis, Dr. A., Amanda. Native woods. 99
 7. Difford, Giles, Orwell. Native woods. 99
 8. Goodrich, S. F., Geneva. Cherry trees. 99
 9. Grover, Marcus, Windsor. Native woods. 99
 10. Hacker, Otto, Painesville. Cherry trees. 99
 11. Hall, Mr., Columbus. Native woods. 99
 12. Hamilton, M., Brunsworth. Oak-tree. 99
 13. Hay, L., Amanda. Persimmon tree. 99
 14. Hess, L., Columbus. Oak trees. 99
 15. Jones, T. H. B., Otway. Native woods. 99
 16. Lincoln, P., Painesville. Native woods. 99
 17. Moody, C. A., Painesville. Native woods. 99
 18. Park, B. A., Painesville. White maple, native woods. 99
 19. Parmley, J. L., Painesville. Native woods. 99
 20. Pegg, Esquire, Columbus. Native woods. 99
 21. Rary, E., Sugar Grove. Section of sweet buckeye. 99
 22. Slyh, Mr., Columbus. Native woods. 99
 23. Stoers & Harrison Co., Painesville. Section of sumach. 99
 24. Van Dervort, J. S., New Antioch. Hickory trees. 99
 25. Wire, S., Painesville. Native woods. 99
 26. Wolf, S., Amanda. Native woods. 99

VIRGINIA.

GROUP 19.

1. Atkins Bros., Marion. Collection of woods. 99
 2. Bedford County. Collection of woods. 99
 3. Drewry, Mrs. Margaret H., Westover. Section of cypress log. 99
 4. Giles County. Collection of woods. 99
 5. Hanover County. Collection of woods. 99
 6. Madison County. Collection of woods. 99
 7. Pugh, L. M., Marion. Section curled maple. 99
 8. Shenandoah County. Collection of woods. 99

DEPARTMENT N.—FORESTRY.

WEST VIRGINIA.

GROUP 19.

1. Board of World's Fair Managers, Charleston.
 - a* Commercial timbers. 99
 - b* Poplar wheels, shingles, staves and lathes. 100
 - c* Table of native woods. 101
 - d* Tanbark. 103
2. Giffin, A. G., Buchannon. Panels. 101
3. Hopkins, A. S., Morgantown. Beneficial and injurious insects, with sections showing their work. 113
4. Parkersburg Mill Co., Parkersburg.
 - a* Wainscoting, etc. 101
 - b* Case, brush and implement handles. 110
5. Parkersburg Veneer & Panel Co., Parkersburg. Panel veneers. 101
6. Price & Co., Clarksburg. Specimens of oak. 99
7. Rumbarger J. L. Lumber Co., Dobbin.
 - a* Hardwood boards, planks and trunks. 99
 - b* Spruce and hemlock laths and shingles. 100
8. West Virginia & Pittsburg R. R. Co., Weston, W. Va.
 - a* Hardwood logs, planks and saplings. 99
 - b* Photographs, etc. 113

WISCONSIN.

GROUP 19.

1. Allen, J. P., South Superior. Balm of Gilead. 99
2. Barkham, Mr., Kingville. Sand bar willows. 99
3. Batcheller, N. A., Black River Falls. Native woods. 99
4. Callaghan, J. J., Burlington. Black walnut. 99
5. Calligan, E., Langdale. Silver birch, balsam fir, hemlock, spruce. 99
6. Capen, R. W., Black River Falls. Black oak. 99
7. Chapman, H. S., Dedham. Red spruce. 99
8. Coons, H. B., Potosi. American crab, shellbark hickory, box elder, mulberry. 99

9. Damman, C., New Holstein. Speckled alder, June berry, scarlet thorn, prickly ash. 99
10. Davis, Mrs. H., Irving. White oak, hackberry. 99
11. Duncan, Brewer & Co., Dedham. Aspen. 99
12. Goodyear Lumber Co., Tomah. Yellow Norway pine. 99
13. Greve, H. C., New Holstein. Rough beech, basswood and elm. 99
14. Hayssen, H. H., New Holstein. Basswood, hard maple freaks. 99
15. Hitl, D., New Holstein. Hyslop crab. 99
16. Humke, J., Greenwood. Soft maple. 99
17. Hunt, W. H., Potosi. Black locust. 99
18. Kimball & Clark, Kimball. Black ash, hemlock, black birch. 99
19. Kinan, J., Thienville. Pignut and shell bark hickory. 99
20. Lea, Ingran Lumber Co., Iron River. Red Norway and yellow pine. 99
21. Lewis, G. H., Potosi. River cottonwood. 99
22. Limmer, H., New Holstein. Silver poplar. 99
23. Limmer, I., New Holstein. Butternut hickory. 99
24. Meek, B. J., Black River Falls. Hickory pine. 99
25. Mills, H. B., Black River Falls. White oak. 99
26. Montreal River Lumber Co., Gila. White pine. 99
27. Ostebeih, L., Chilton. Burr, white and black oak, bastard elm. 99
28. Paulson, E., New Holstein. Beech. 99
29. Pauson, J., Charlestown. Black cherry. 99
30. Plega, H., Butternut. Tamarack, yellow birch. 99
31. Regan, D., Chilton. Rock maple. 99
32. Ryan, D., Chilton. Hickory, butternut. 99
33. Sinart, Geo., Butternut. Water and rock elms. 99
34. Smart, H. S., Butternut. Ironwood, basswood. 99
35. Spaulding, D. J., Black River Falls. Cockspur thorn. 99
36. Upham, W. H., Marshfield. White ash, red elm. 99

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GROUP 19.

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3. Oplt, Franz, Bakow (Bohemia). Rushes and bast-goods. 105
4. Wolfner & Weiss, Vienna. Seed collections. 113

BELGIUM.

GROUP 19.

1. Van Oye, Alb., & Co., Maldegheem.
 - a Baskets, willowware, etc. 111
 - b Rattan, bamboo and cane work. 112

CANADA.

GROUP 19.

1. Canadian Government, Department of Agriculture, Ottawa. Native woods and photos of trees. 113
2. Finch Wood Preservative Co., Toronto. Paving blocks. 99
3. Gaetz, Leonard, Red Deer, N. W. T.
 - a Sections of trees. 99
 - b Flooring. 100
4. Gordon, Alexander, Pembroke, Ont. Birch knot. 113
5. McLaughlan, H. P., Lower Perth, N. B. Peculiar forest growth. 113
6. North-West Territories, Regina. Forest products. 99
7. Nova Scotia Wood Pulp Paper Co., Mill Village. Wood pulp. 109
8. Provincial Government of British Columbia, Victoria. Forest products. 99
9. Provincial Government of Ontario, Toronto. Forest products. 99
10. Provincial Government of Prince Edward Island, Charlottetown. Specimens of wood. 99
11. Provincial Government of Quebec, Quebec. Forest products. 99
12. Shearer, Jas., Montreal. Hardwood doors. 100

CAPE OF GOOD HOPE.

GROUP 19.

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 - a Knysna woods and canes; Basuto land curios. 10
 - b Bark. 103
 - c Gum. 106
 - d Buchu leaves and aloes. 108

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GROUP 19.

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2. Flesch, Jr., Frankfort-on-the-Main. Tannin extracts. 103
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GROUP 19.

1. Bombay-Burmah Trading Corporation Ltd., London. Samples of teak flooring and wood paving; railway wheel blocks and keys; samples of fabrics dyed with cutch. 103

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GROUP 19.

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JAPAN.

GROUP 19.

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2. Awaji Bamboo Works, Hyogo. Bamboo. 112
3. Chōhei Tanaka, Kagawa. Baskets. 111
4. Daisuke Nagata, Kōbe. Bamboo ware. 112
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 - d Barks and galls for tanning and dyeing. 103
 - e Vegetable wax and resins. 106
 - f Miscellaneous forest products. 108
 - g Wood pulp for paper. 109
 - h Baskets. 111
 - i Bamboo canes and bamboos. 112
 - j Illustration of forest growth. 113
 - k Maps, plans and illustrations of forest management; illustrations of woods and flowers. 116
 - l Illustration of lumber transportation. 117
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DEPARTMENT C.—LIVE STOCK.

AMPLE preparations have been made to care for the Live Stock interests at the Exposition. A premium list appropriating \$150,000 has been prepared, and a number of the Live Stock associations have offered supplemental premiums for respective breeds, ranging from \$200 to \$10,000 each. Reports from foreign countries render certain that the exhibit will bring together the most remarkable collection of pure bred animals ever witnessed in the history of expositions. The exhibit will also comprise specimens of wild animals, song birds, and birds of plumage from this country and from abroad.

The Live Stock exhibit will open in June, with a kennel show, lasting six days, followed in August, September and October by the exhibition of horses, cattle, sheep, swine, poultry, pigeons, etc. While care will be taken to secure specimens of the best established breeds, the rules are sufficiently liberal to permit the entry of animals from every part of the world which have such characteristics as to make them objects of interest to visitors. The liberal money premiums, besides the medals and diplomas to be awarded, have stimulated a widespread interest in this exhibit.

The Live Stock Pavilion is located at the rear of the colonnade which connects the Machinery Hall with the Agricultural Building, the large arch in the center of the colonnade being the main approach to this pavilion. The extreme measurements of the pavilion are 300x440 feet, it, therefore, covers an area of over three acres. The general arrangement of this magnificent pavilion is the same as the ever famous Colosseum at Rome, the architecture of the former being Romanesque and the latter purely classic of the Doric order. There is very little ornament on this building save the balustrade which tops the cornice. The building is constructed of frame work covered with staff. The contracts were let for the entire building at \$50,000. The seating capacity is 6,000. The center is used as a large arena for the purpose of parading live stock, and on certain days when not used for this purpose, will be used by the North-American Turner-Bund for exhibitions. Under the amphitheatre are the offices of the different bureaus pertaining to the department and also offices for the different live stock associations, the National Grange, the National Farmers' Alliance, etc.

This department was placed under the charge of Chief Buchanan, of the Department of Agriculture, and under his supervision the work has been carried on all over the world, but principally in the United States. Horses and sheep will be shown from France, horses from Russia, sheep from Australia, and all kinds of live stock from Canada and nearly every state in the United States.

The superintendent of the kennel division is James Mortimer, of Long Island; superintendent of sheep division, A. M. Garland, of Illinois; superintendent of cattle division, J. B. Dinsmore, of Nebraska. Superintendents of the horse, poultry and swine divisions are yet to be appointed.

The Kennel Exhibit begins June 12th and lasts six days.

The exhibit of horses and cattle begins August 21st and lasts one month.

The exhibit of sheep and swine begins September 25th and lasts till October 14th.

The exhibit of poultry and fat stock begins October 16th and lasts till October 28th.

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CLASSIFICATION.

DEPARTMENT C.

LIVE STOCK—DOMESTIC AND WILD ANIMALS.

GROUP 27.

HORSES, ASSES, MULES.

- Class 193. Draft horses—all breeds.
- Class 194. Coach horses.
- Class 195. Trotting horses.
- Class 196. Thoroughbred horses.
- Class 197. Saddle horses.
- Class 198. Hunters.
- Class 199. Educated and trick horses.
- Class 200. Ponies.
- Class 201. Jacks and jennets.
- Class 202. Mules.
- Class 203. Literature and statistics; copies of the constitution and by-laws of national horse breeding associations.

GROUP 28.

CATTLE.

- Class 204. Beef.
- Class 205. Dairy.
- Class 206. For general purposes.
- Class 207. Oxen.
- Class 208. Crosses of cattle with buffalo, etc.
- Class 209. Collection of brands and registers of brands and marks, with implements of herding, tying, etc.

GROUP 29.

SHEEP.

- Class 210. Fine woolled sheep.
- Class 211. Combing woolled sheep.
- Class 212. Middle woolled sheep.
- Class 213. Sheep for mutton.

GROUP 30.

GOATS, LLAMA, CAMELS AND OTHER DOMESTICATED ANIMALS.

- Class 214. Goats, camels, elephants, llama, vicugna, alpaca, guanaco, yaks, etc.

GROUP 31

SWINE.

- Class 215. Swine of all varieties.
- Class 216. Methods of raising, feeding, fattening, breeding, killing and packing. Statistics, literature and history of the industry.

GROUP 32.

DOGS.

- Class 217. Hunting, watch, coach, pet and all other varieties, of dogs.
- Class 218. Dog collars, chains, muzzles, etc.
- Class 219. Breeding kennels, bench shows, registers, standards and literature.

GROUP 33.

CATS, FERRETS, RABBITS, ETC.

- Class 220. Breeds of the domestic cat; illustrations of uses and value.
- Class 221. Ferrets and their uses.
- Class 222. Rabbits, and methods of raising and hunting, and of their destruction as pests.

GROUP 34.

POULTRY AND BIRDS.

- Class 223. The breeds of poultry and pigeons, and all domesticated birds. Poultry Shows. Standards of perfection, literature.
- Class 224. Fowls and capons.

- Class 225. Ducks and geese. Swans.
 Class 226. Turkeys.
 Class 227. Pigeons and pigeon lofts. Homing pigeons.
 Class 228. Guinea fowls, pea-fowls, ostriches, etc.
 Class 229. Pheasants and other ornamental birds. Pet birds in general. Cages.
 Class 230. Birds of all countries, alive and as stuffed specimens. Taxidermy. Methods and appliances.
 Class 231. Poultry and bird houses, and their fittings. Incubators and brooders.
 Class 232. Poultry and eggs for market. Feathers, down, quills, and all products. Methods of and appliances for packing and transportation. Prices. Statistics, etc.

GROUP 35.

INSECTS AND INSECT PRODUCTS.

- Class 233. Leeches, leech culture; methods and statistic.
 Class 234. Care of the cochineal bugs. Gathering and primary preparation of cochineal.
 Class 235. Other insects, useful or injurious. Apparatus for the destruction of injurious insects; insecticides and methods of application.

GROUP 36.

WILD ANIMALS.

- Class 236. Animals of all countries, alive and as stuffed specimens.
 Class 237. Methods of collecting, housing, caging, etc. Protection of wild animals and game.
 Class 238. Game preserves, copies of game laws and regulations.

[NOTE.—Inasmuch as the Live Stock exhibit does not begin until June 1st, as stated in a preceding page, no directory of exhibitors appears in this edition.]

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