

7-1-1923

Bulletin 81 - Material on Geography which may be obtained for free or at small cost

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Eastern Illinois University

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THE
**Teachers College
Bulletin**

Number 81

July 1, 1923

EASTERN ILLINOIS STATE TEACHERS COLLEGE
AT
CHARLESTON

MATERIAL ON GEOGRAPHY
which may be obtained free or at small cost
by
MARY JOSEPHINE BOOTH
Librarian, Eastern Illinois State Teachers College
Second Printing of Third Revised Edition

(Printed by Authority of the State of Illinois)

The Teachers College Bulletin

PUBLISHED QUARTERLY BY THE EASTERN ILLINOIS STATE
TEACHERS COLLEGE

Entered March 5, 1902, as second class matter, at the post office at
Charleston, Illinois. Act of Congress, July 16, 1894.

No. 81

CHARLESTON, ILLINOIS

July 1, 1923

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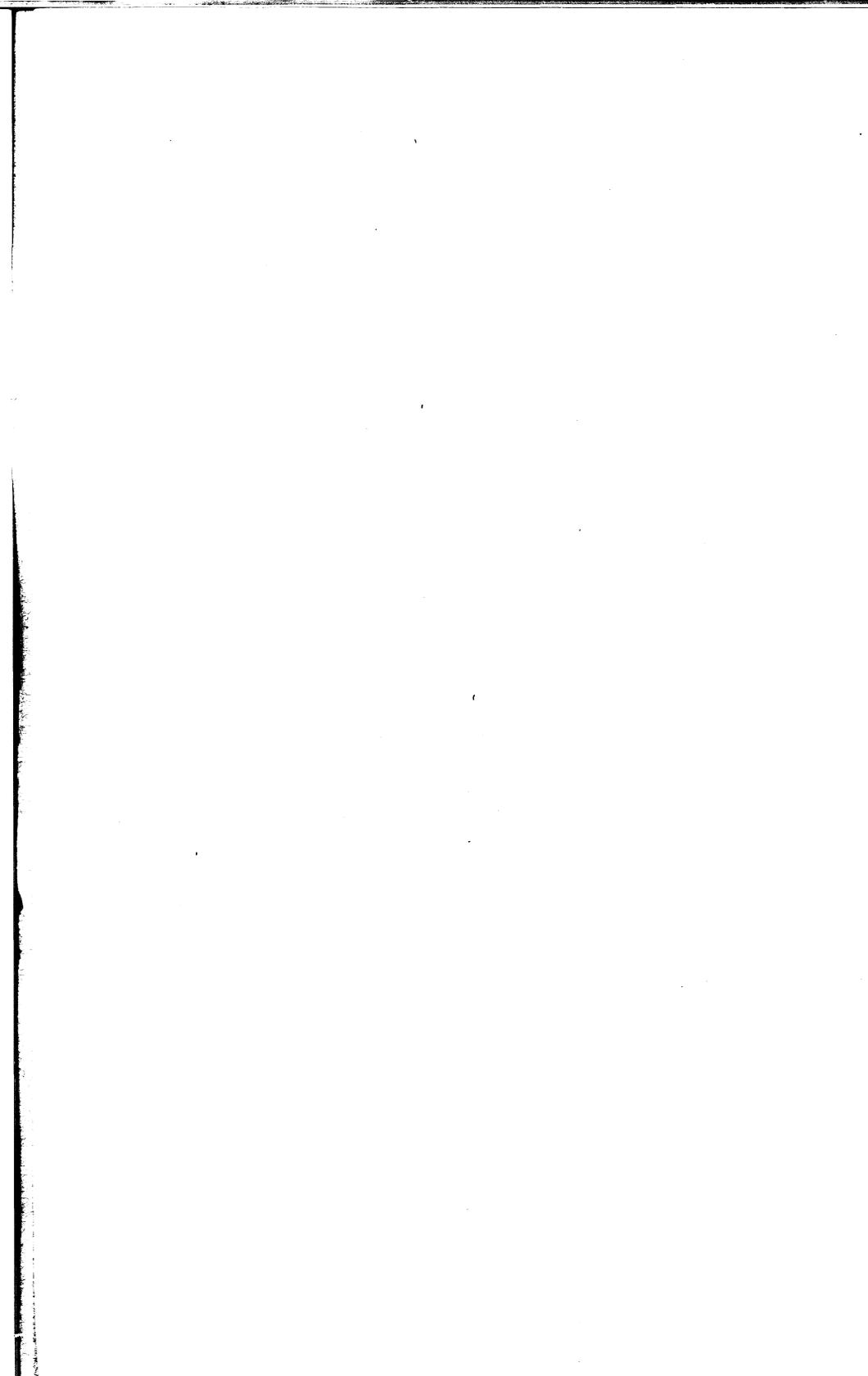
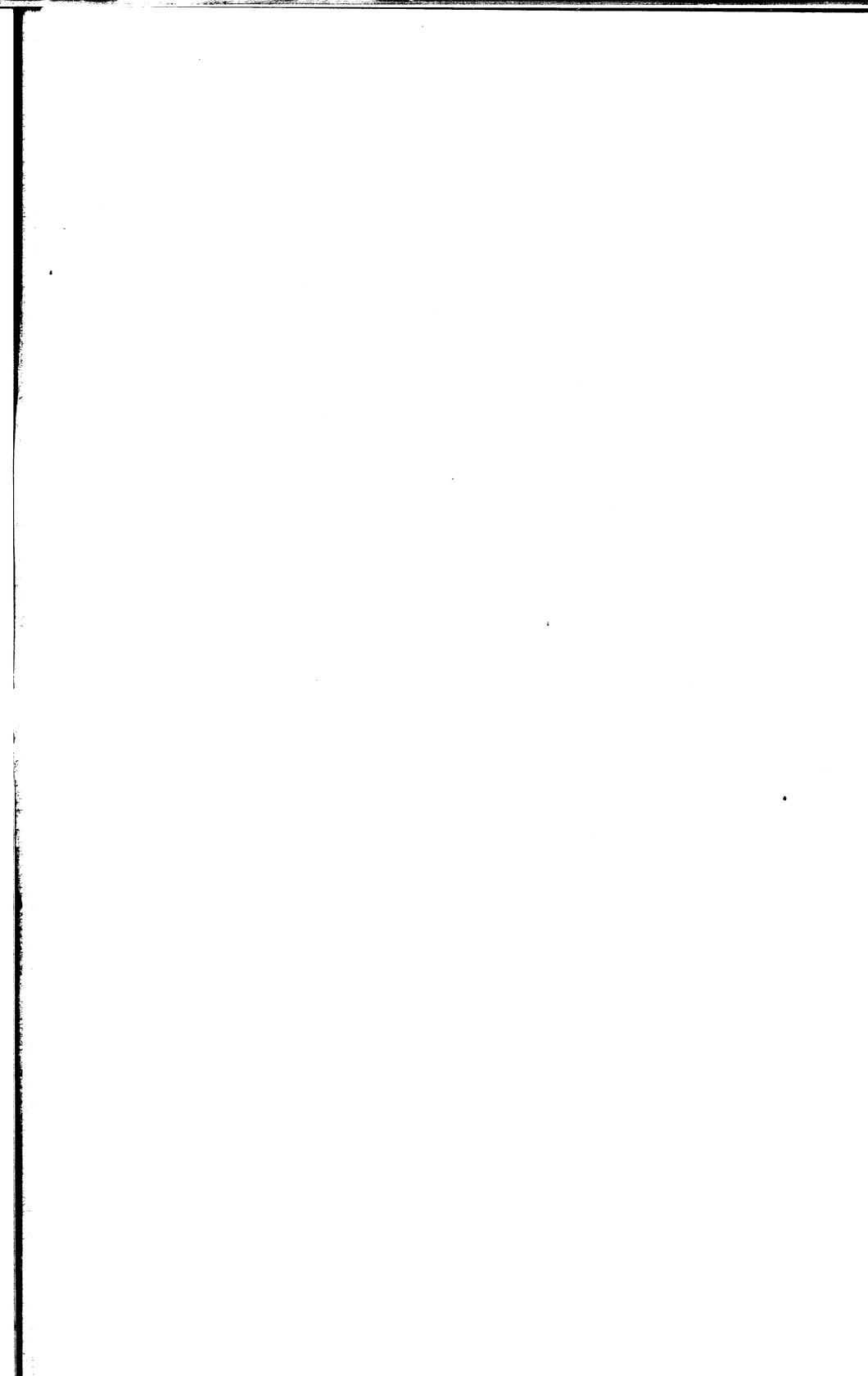


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PREFACE

SOURCES AND VALUE

Publications of this description are usually issued in the form of well illustrated pamphlets and will supplement with little expense the books on geography used in the class room. They come from several sources, the United States government, the different state governments, railroads, steamship lines, manufacturing firms, and chambers of commerce of cities and towns.

Mr Roland M. Harper has an article entitled A neglected source of geographical material in the *Journal of Geography* for June 1916, p. 392-4, in which he states reasons why this material is not used as much as it might be and gives his estimate of its value in the following words: "As far as accuracy is concerned, the present standard for free geographical literature, with the possible exception of that issued by land companies, is higher than one might suppose without investigation. Many of the statements in these advertising pamphlets relate to facts which there would hardly be any motive for misrepresenting, or which can easily be verified in these days of rapid dissemination of knowledge. Even some state supplements to school geographies, published during the present century, are more extravagant, and even inaccurate, in describing the advantages of their respective regions, and say less of the disadvantages, than some of the literature here discussed."

Mr H. H. Williams of the Bureau of Education, Manila, P. I. in an article entitled Travel booklets as an aid to geography in the *Journal of Geography* for January 1917, p. 161-3, gives a number of suggestions on the use of this kind of material together with a number of addresses not included in this list.

Collecting and making use of local geography material by Ella Bartlett Knight in *Elementary School Journal* for February 1920, p. 459-65, gives practical suggestions which have been used effectively in a school in Omaha.

HOW TO OBTAIN

In writing for publications issued by societies, manufacturing firms, railroads, and steamship lines, give the names of the pamphlets desired and enclose postage. Some firms do not recognize a request for pamphlets unless a stamp is enclosed. If you want to obtain the most recent material, write for a list of publications and chose the ones needed, for new booklets are being frequently issued. More satisfactory results will usually be obtained by using the letter head of the school.

Most firms are glad to supply material free to teachers for use in their schools but object to receiving 30 or 40 requests from the same town from small children who are making collections of pictures, etc. Teachers should not have a whole room write for the same pamphlets

as this practice makes it difficult for those really needing the pamphlets to get them. The following is from a letter recently received: "We have so many calls from school children that we have been led to believe that there is an unnecessary waste of printed matter being sent direct to the school child. We have found by somewhat careful checking that one pupil in a school will write and when his request is complied with, we will sometimes receive dozens from the same school. Quite obviously much of this is wasted. We believe it would be a good suggestion if teachers would impress upon pupils that they should not write direct for printed matter but that the request should come from the teacher only."

Address the proper department for the state publications, enclosing postage.

In regard to obtaining government publications it is difficult to lay down rules, as the practice of distribution varies in the different departments and bureaus. In this list the department or bureau issuing the pamphlet has usually been indicated. Sometimes the pamphlet may be obtained free by writing direct to the issuing bureau or department. If the supply for free distribution has been exhausted, you will be notified and then the publication can be bought from the Superintendent of Documents.

SOME POINTS ABOUT THIS LIST

The addresses of those issuing the pamphlets listed have been given fully but the state, province, or country has been uniformly omitted when the name of the state, province, or country occurs as the subject. In order to shorten the list usually only one pamphlet from any one source is listed, the phrase "also other publications" being used to show that others on the same subject are issued.

The highest limit in price has been placed at one dollar except in the list of Educational exhibits. Where no price is given the publications were sent free to the compiler and no information in regard to price was given. To avoid misunderstanding, it is better to add to each request "If there is a charge for this material, please notify me before sending it."

Complaints have come to the compiler that it has been impossible to get certain titles entered in the previous lists. This is unavoidable as material given in such a list will be out of print in a short time. Great care has been taken, especially in the revisions of 1916, 1920, and of 1923, to enter only such material as was actually obtainable at the time the list was made. However, during the time it takes to put the bulletins through the press and to send them out, certain titles are almost sure to become out of print. This is especially true now because the publication of pamphlets is expensive. Frequently new booklets will be issued to replace them and on this account it is usually better, when writing for a certain title, to add a request for other similar publications.

SUGGESTIONS

After obtaining a quantity of this material it is likely to prove almost useless unless cared for properly. Large waste envelopes or folders made of paper may be used to keep the material on one subject to-

gether and these kept together in a box or drawer. At first one envelope may be large enough to keep all the material on one state, as, Illinois; later a separate envelope may be needed for Chicago. All the material on each of the different industries should be kept together, alphabetically arranged. If the material is kept from year to year and additions made, the result will be both interesting and valuable.

County and city superintendents of schools may be able to obtain several copies of the material in this list and keep it in a convenient place for the use of teachers under their direction.

It is suggested that those teachers who have access to a public library will find many of these publications already in the library and consequently there will be no need for writing for individual copies.

NEW MATERIAL

To keep up with the geographical material obtainable free or at small cost which is being constantly issued, consult the Monthly Catalogue of United States Public Documents and the Monthly List of State Publications, both distributed by the Superintendent of Documents, Washington, D. C. Read the advertisements of railroads and steamship companies appearing in magazines and newspapers, which frequently offer to send free or for postage descriptive booklets. These advertisements change with the seasons and in the course of a year will include almost all parts of the world. Some geographical journals and general educational magazines record pamphlets while in the columns of *The Booklist*, *The Library Journal*, *Public Libraries*, *The Wisconsin Library Bulletin*, and other periodicals are often found items giving the names of recent pamphlets.

EDITIONS

The first edition of this list was published in the *Wisconsin Library Bulletin* for January—February 1913. A revised list was published in the *Journal of Geography*, January 1914, a number of the new titles having been suggested by Miss Adelaide R. Hasse, Chief, Public Documents Department, New York Public Library. It was reprinted by the American Library Association Publishing Board, 78 East Washington Street, Chicago. Another list, partially revised, was printed in the *Normal School Bulletin*, October 1914; the same list with the addition of a few titles was printed in the *Journal of Geography*, January 1915; the new titles in these last two lists were largely pamphlets issued by commercial clubs and chambers of commerce. A completely revised edition was printed in the *Normal School Bulletin*, October 1916; selected titles from this were printed in the *Journal of Geography* for May 1917. The second revised edition was printed in the *Normal School Bulletin*, July 1920.

This list is a complete revision of the other lists published. It has been compiled from responses to letters sent out in the early part of 1923.

ACKNOWLEDGMENT

The generosity of societies, firms, railroads, steamship lines, and individuals in sending material for examination has made this list possible and their kindness is appreciated.

M. J. B.

LIST OF ABBREVIATIONS

The usual abbreviations of states and months are used.

agric.—agricultural, agriculture	Lond.—London, England
Amer.—American	mfg.—manufacturing
ass'n—association	misc.—miscellaneous
ave.—avenue	nat'l—national
bldg—building	n. d.—no date
blvd—boulevard	no.—number
Bost.—Boston, Mass.	N. Y.—New York, N. Y.
bull.—bulletin	Phil.—Philadelphia, Penn.
bur.—bureau	p.—page ; pages
c.—cent, copyright	pt—part
Chic.—Chicago, Ill.	publ.—publication
circ.—circular	R. R.—railroad, railway
co.—company	rep't—report
com.—committee	rev.—revised
d.—pence	s.—shilling
dep't—department	Sec'y—secretary
div.—division	S. S.—steamship
doc.—document	ser.—series
ea.—each	st.—street
educ.—education	sta.—station
e. g.—for example	Sup't of doc.—Superintendent of documents
exp.—experiment	sur.—survey
ext.—extension	univ.—university
geol.—geological	v.—volume ; volumes
internat'l—international	Wash.—Washington, D. C.

GENERAL LIST

Before sending for any of these pamphlets please read section of preface entitled How to obtain on pages 5 and 6.

Do not have pupils write for the pamphlets listed here.

Bibliography

Aids in high school teaching; pictures and objects, by J. C. Dana and Blanche Gardner. 1916. The H. W. Wilson co. 958 University ave. N. Y. \$1.00.

Gives lists of dealers of photographs, postcards, films, educational exhibits, relief maps and slides.

Classified list of trade and allied associations and publications in the city of New York, with appendix of governmental offices. 1923. Chamber of commerce of the state of New York, 65 Liberty st. N. Y.

Commercial and industrial organizations of the United States, rev. to Mar. 1, 1923. Misc. ser. 99. Foreign and domestic commerce bur. Wash. Sup't of doc. Wash. Write for price.

Geography and explorations; list of natural wonders, scenery and national parks publications. 1922. Sup't of doc. Wash.

List of chambers of commerce in the United States in all cities of 5,000 population and over. Dec. 15, 1922. Chamber of commerce of the state of New York, 65 Liberty st. N. Y.

Maps, atlases and geographical publications by Sarah B. Ball. 1915. H. W. Wilson co. 958 University ave. N. Y. 75c.

Periodicals

Bulletin. Pan-Pacific union, Honolulu, T. H.

The earth, monthly. The earth, Santa Fe general offices, Topeka, Kansas. Free for six months. After that 50c a year.

Geographic news bulletin. Weekly during the school year. Nat'l geographic society, Wash. 25c for postage.

Illustrated.

ABYSSINIA

Abyssinia, present commercial status of the country with special reference to the possibilities for American trade, by Addison E. Southard. 1918. Special consular rep'ts 81. Foreign and domestic commerce bur. Wash. Sup't of doc. Wash. 5c.

AFRICA

The great achievements of modern motor travel in North Africa. 1921. French line, 19 State st. N. Y. Also other publications.

See also names of different countries e. g. Egypt.

ALABAMA

- The gulf coast and Florida. n. d. Mobile and Ohio R. R. co. St Louis, Mo.
 Montgomery. n. d. Chamber of commerce, Montgomery.
 The port of Mobile. 1922. Chamber of commerce, Mobile. Also other publications.

ALASKA

- Alaska. 1923. Canadian Pacific R. R. 140 S. Clark st. Chic.
 Contains map.
 Alaska, by Belmore H. Browne. 1914. Crowell publishing co. Springfield, O. 20c.
 Alaska, Atlin and the Yukon. folder. n.d. White pass and Yukon route, Conway bldg, Chic. or, Alaska bldg, Seattle, Wash. Also other publications.
 The Alaska R. R. n.d. Obtainable from Alaskan engineering commission, Interior bldg, Wash. or, Gen'l purchasing agent, A. E. C. 422 Bell st. dock, Seattle, Wash.
 Alaska, the Alaska railroad and resources tributary. 1922. Commercial club, Seward.
 Alaska, the treasure house. n.d. Alaska bur. Chamber of commerce, Seattle, Wash.
 Alaska—top o' the world wonderland. 1923. Pacific S. S. co. Seattle, Wash. Folder with map.
 Coastal glaciers of Prince William sound and Kenai peninsula, by U. S. Grant and D. F. Higgins. 1913. Bull. 526 Geol. sur. Wash. Sup't of doc. Wash. 30c.
 Cordova, Alaska. 1920. Chamber of commerce, Cordova.
 Folder. (latest ed.) Alaska S. S. co. Seattle, Wash.
 General information regarding the territory of Alaska. 1922. Interior dep't, Wash. Sup't of doc. Wash. Write for price.
 Contains list of maps and bibliography.
 Life in Alaska. 1917. Alaska bur. of publicity, Juneau. Also other publications.
 Map of the territory in four colors. 1923. Geol. sur. Wash. 25c.
 Size 35½ by 51 inches. Scale 1 inch=39.5 miles. New map showing many special features, as the government railroad from Seward to Fairbanks, also parts of Yukon and British Columbia.
 Mineral resources of Alaska; report on progress of investigations. 1920. Bull. 722. Geol. sur. Wash. Sup't of doc. Wash. 25c.
 Pacific northwest and Alaska. n.d. Northwestern line, 226 W. Jackson st. Chic.
 Pacific northwest and Alaska. n.d. Union Pacific system, St Louis, Mo.
 Planning of Alaskan ports, by Paul Whitham. 1916. Interior dept,

Wash. Sup't of doc. Wash. 20c.
 Rep't of the governor of Alaska. 1922. Interior dep't, Wash.
 Contains bibliography of government publications on Alaska and map.

Bibliography

Alaska; list of publications relating to above subject for sale by Sup't of doc. 1923. Sup't of doc. Wash.
See also Fisheries, Fur farming, Lumber industry and Reindeer in list of Industries and commercial products.

ALBERTA

Alberta; a survey of the topography, climate, resources, industries, transportation and communication, and institutional services of the province of Alberta. n.d. Dep't of agric. Edmonton. Also other publications.

ARGENTINE REPUBLIC

Argentina, by E. M. Newman. 1916. Crowell publishing co. Springfield, O. 20c.

Argentina; general descriptive data. (latest ed.) Pan Amer. union, Wash. 5c.

Also publishes Buenos Aires, metropolis of the southern hemisphere. 1921. 5c, and Rosario, Argentina's second city. 1918. 5c. Also other publications.

The economic position of Argentina during the war. 1920. Misc. ser. 88. Bur. of foreign and domestic commerce, Wash. Sup't of doc. Wash. 15c.

Map of the Argentine railways. 1920. Central Argentine R. R. 3A Coleman st. Lond. E.C.

Size 40 × 48 in. Scale 50 miles to the inch.

See also Grain, in list of Industries and commercial products.

ARIZONA

Chamber of commerce, Phoenix will send booklets on Phoenix or any part of Arizona to teachers.

Chamber of commerce. Tucson. Write for illustrated booklets.

Climatic advantages of Prescott. n.d. Yavapai county chamber of commerce, Prescott. Also other publications.

Great state Arizona. n.d. Santa Fe, Railway exchange, Chic. Also other publications.

Petrified forest national monument. n.d. Santa Fe, Railway exchange, Chic.

Routes to desert watering places in the lower Gila region, Arizona, by Clyde P. Ross. 1922. Water-supply paper 490-C. Geol. sur. Wash. Also publishes Routes to desert watering places in the Papago county, Arizona, by Kirk Bryan. 1922. Water-supply paper 490-D. Geol. sur. Wash.

Both have maps in pockets.

See also Grand canyon national park, Cotton. in list of Industries and commercial products, and Putnam studios, in list of Lantern slides, etc.

ARKANSAS

Fort Smith. n.d. Business men's club, Fort Smith. Also other publications.

Oak leaves. 1915. Missouri and North Arkansas R. R. Harrison. The Ozark mountain region of Missouri and Arkansas. n.d. Kansas City southern R. R. co. Kansas City, Mo.

The west side delta. c1920. Southern alluvial land ass'n, Memphis, Tenn. Also other publications.

See also Hot Springs national park.

AUSTRALIA

Australia, a commercial and industrial handbook, by A. W. Ferrin. Special agents ser. 216. 1922. Foreign and domestic commerce bur. Wash. Sup't of doc. Wash. 75c.

General description, economic and social conditions, natural resources, manufacturing, transportation, with map showing railway systems.

Australia, its attractions and opportunities. n.d. Immigration office, Melbourne. Also other publications.

See also names of provinces e.g. Victoria, and Meat in list of Industries and commercial products.

AUSTRIA

The story of the Danube, by Albert B. Hart. 1915. Crowell publishing co. Springfield, O. 20c. Also publishes Vienna, the queen city, by Dwight L. Elmendorf. 1914. 20c.

BAHAMA ISLANDS

The Bahama Islands; information as to trade, soil, climate, etc. for intending settlers. 1922. Development board, Nassau. Also publishes The isles of June.

BANFF NATIONAL PARK

Banff national park. n.d. Canadian nat'l parks, 178 Queen st. Ottawa, Can.

BELGIUM

Belgium. n.d. Red Star line. 1 Broadway, N. Y.

Has 8 illustrations in color, many from photographs, a 2 page map of Belgium and short description of some Belgian cities.

Belgium the brave, by Ruth K. Wood. 1920. Crowell publishing co. Springfield, O. 20c.

BOLIVIA

- Bolivia, by E. M. Newman. 1917. Crowell publishing co. Springfield, O. 20c.
- Bolivia, a commercial and industrial handbook, by W. L. Schurz. 1921. Special agents ser. 208. Bur. of foreign and domestic commerce, Wash. Sup't of doc. Wash. 65c.
Based on comprehensive personal investigation.
- Bolivia; general descriptive data. (latest ed.) Pan Amer. union, Wash. 5c. Also publishes La Paz, the world's highland capital. 5c. Also other publications.

BORNEO

- Netherlands East Indies and British Malaya, a commercial and industrial handbook, by John A. Fowler. 1923. Special agents ser. 218. Bur. of foreign and domestic commerce, Wash. Sup't of doc. Wash. \$1.00.

BRAZIL

- Brazil, by E. M. Newman. 1917. Crowell publishing co. Springfield, O. 20c.
- Brazil, a study of economic conditions since 1913, by Arthur H. Redfield. 1920. Misc. ser. 86. Bur. of foreign and domestic commerce, Wash. Sup't of doc. Wash. 15c.
- Brazil, 1822-1922. London and Brazilian bank ltd, Information and statistics dep't, 7 Tokenhouse yard, Lond. E. C. 2.
- Brazil; general descriptive data. (latest ed.) Pan Amer. union, Wash. 5c. Also publishes Sao Paulo, the heart of coffee land. (latest ed.) 5c. Brazil as a field for foreign investment, by Kermit Roosevelt. 1922, and Rio de Janeiro, the fair capital of Brazil. (latest ed.) 5c. Also other publications.

BRITISH COLUMBIA

- Farming lands in British Columbia. n.d. Grand trunk Pacific R. R. Winnipeg, Man.
Also publishes a map.
- Handbook of British Columbia. 1921. Dep't of agric. Victoria. Also publishes Agriculture in British Columbia. 1921, and other publications.
- Our coastal trips. n.d. Union S. S. co. of British Columbia, Ltd. Vancouver. Also other publications.

BURMA

- Burma. 1922. Thos. Cook and son, Rangoon.
Contains map.

CALIFORNIA

- Biennial rep't. Board of state harbor commissioners, San Francisco. Also publishes Tariff, naming rates, rules and regulations. 1920, and other publications.

Contains excellent pictures.

- California. n. d. Northwestern line, 226 W. Jackson st. Chic.
- California calls you. n. d. Union Pacific system. St Louis, Mo.
- California for the settler. n. d. Southern Pacific, San Francisco.
- Climate of San Francisco, by A. G. McAdie. 1913. Bull. 44.
Weather bur. Wash. Sup't of doc. Wash. 5c.
- Every day in San Diego, California. folder. n. d. San Diego-California club, San Diego. Also other publications.
- Glimpses of Santa Barbara. n. d. Chamber of commerce, Santa Barbara. Also other publications.
- Golden state route to California. n. d. Rock Island lines, Chic.
- Los Angeles, a summary of the city's physical and financial resources, by George R. Martin. 1921. Security trust and savings bank, Los Angeles.
Also a map of Los Angeles and one of southern California and other publications.
- Los Gatos, in valley of the sun. n. d. Chamber of commerce, Los Gatos.
- Map of Stockton, where rail meets tidewater. n. d. Chamber of commerce, Stockton. Descriptive folder. Also other publications; distributes San Joaquin county, California. n. d. .
- Pasadena, summer and winter. 1922. Chamber of commerce and civic ass'n, Pasadena.
- Pictorial map of Fresno county. n. d. Fresno county chamber of commerce, Fresno.
- Routes to desert watering places in the Salton sea region, Cal. by John S. Brown. 1920. Water-supply paper 490—A. Geol. sur. Wash. Also publishes Routes to desert watering places in the Mohave desert region, Cal. 1921 Water-supply paper 490—B. Geol. sur. Wash.
Both have maps in pockets.
- San Joaquin valley of California. n. d. Santa Fe, Railway exchange, Chic.
- Santa Clara county, California. n. d. Distributed by Chamber of commerce, San Jose.
- Santa Cruz, California. n. d. Chamber of commerce, Santa Cruz.
- Santa Rosa, California. Chamber of commerce, Santa Rosa.
- Southern California, by Charles F. Lummis. 1916. Crowell publishing co. Springfield, O. 20c.
- Work for hands, brains, dollars in San Francisco. 1922. Chamber of commerce, San Francisco. Also other publications.

Bibliography

Pacific states; list of publications for sale. 1922. Sup't of doc. Wash.
See also General Grant national park, Lassen volcanic national park, Sequoia national park, Yosemite national park, and Citrus fruits, Figs, Lemons, Lumbering, Olives, Oranges, Raisins, Rice in list of Industries and commercial products, and Putnam studios in list of Lantern slides, etc.

CANADA

Atlantic coast resorts. 1923. Canadian Pacific R. R. 140 S. Clark st. Chic.

Canada, Atlantic to Pacific. n. d. Canadian nat'l railways, 112 W. Adams st. Chic. Also other publications.

Canada, descriptive atlas. 1922. Dep't of immigration and colonization, Ottawa.

Compact facts, Canada. 1922. Natural resources intelligence service, Ottawa. Also publishes a map of Canada, showing natural resources, transportation and trade routes. 1921. Scale 100 miles to the inch. Furnished only to teachers.

Lake Superior to the sea, by Garnault Agassiz. n. d. Distributed by Northern navigation co. ltd, Sarnia, Ont.

Minerals and mining industries on the Canadian national railways. 1922. Canadian nat'l R. R. Toronto, Ont.

See also different sections of the country, e. g. Northwest, Canada and names of provinces, e. g. Ontario, and Paper in list of Industries and commercial products.

CANADA-NATIONAL PARKS

Guide to the geology of the Canadian national parks. 1914. Canadian nat'l parks, 178 Queen st. Ottawa. Also other publications.
See also Banff national park, Jasper national park.

CANADIAN ROCKIES

See Rocky mountains—Canadian Rockies.

CENTRAL AMERICA

Central America as an export field, by Garrand Harris. 1916. Special agents ser. 113. Foreign and domestic commerce bur. Wash. Sup't of doc. Wash. 30c.

Great white fleet. United fruit co. 1922. 17 Battery place, N. Y.
 Map of Central America, including Cuba, Porto Rico and the islands of the Carribean sea. Size 14 x 19 inches. Pan Amer. union, Wash. 25c.

See also names of countries of Central America e.g. Honduras.

CEYLON

Ceylon. 1921. Thos. Cook and son, Colombo.
Contains map.

Ceylon, an equatorial playground. n.d. Peninsular and oriental steam navigation co. 122 Leadenhall st. E. C. 3, Lond.

Ceylon, the traveller's paradise. n. d. Distributed by Pacific mail S. S. co. 508 California st. San Francisco, Cal.

CHILE

Chile, by E. M. Newman. 1916. Crowell publishing co. Springfield, O. 20c.

Chile; general descriptive data. (latest ed.) Pan Amer. union, Wash. 5c. Also publishes Valparaiso, the great South Pacific emporium, 5c. and Santiago. Chile's charming capital. 1923. 5c. Also distributes a map in three colors published by Edward Stanford, 1907, size $6\frac{1}{4}$ x $33\frac{1}{4}$ inches. 25c. Also other publications.

See also Nitrates in list of Industries and commercial products.

CHINA

China, by Dwight L. Elmendorf. 1915. Crowell publishing co. Springfield, O. 20c.

China, Japan, the Philippines. 1923. Amer. express co. Travel dep't, 65 Broadway, N. Y.

Commercial handbook of China, by Julean Arnold. 2 v. Misc. ser. 84. Bur. of foreign and domestic commerce, Wash. Sup't of doc. Wash. v. 1, 60c. v. 2, 40c.

Consists of introductory chapter, another chapter containing mass of statistics on trade of China as a whole, and 17 chapters covering American consular districts in Republic. Discusses area and population, physiography and climate, administration, education, agriculture, mining, communications, public works, ports and concessions, finance, industry, shipping and traveling facilities, commercial organizations, and other related aspects of trade.

The conduct of business with China. 1919. Misc. ser. 70. Foreign and domestic commerce bur. Wash. Sup't of Doc. Wash. 10c.

General map of China and adjacent regions, showing treaty ports and railways. 1922. State dep't, Wash. Sup't of Doc. Wash. 25c. 19.8x25 inches. Scale 1:10,000,000.

Information for travellers landing at Hongkong. 1921. Thos. Cook and son, Hongkong. Also publishes Information for travellers visiting Peking. 1920, and other publications.

Superfine service through Seattle, Japan, China to Manila. n. d. Nippon Yusen Kaisha, Coleman bldg, Seattle, Wash.

See also Tea in list of Industries and commercial products.

CHOSEN

See Korea.

COLOMBIA

Colombia, a commercial and industrial handbook, by P. L. Bell. 1921. Special agents ser. 206. Bur. of foreign and domestic commerce, Wash. Sup't of doc. Wash. 70c.

Information was obtained by thorough personal investigation.

Colombia; general descriptive data. (latest ed.) Pan Amer. union, Wash. 5c. Also other publications.

COLORADO

Arkansas valley of Colorado. n.d. Santa Fe, Railway exchange, Chic.

Colorado, America's roof garden. n.d. Missouri Pacific R. R. co. Railway exchange bldg, St Louis, Mo. Also other publications,

Colorado, under the turquoise sky. 1921. Rock Island lines, Chic. Also other publications.

Colorado's mountain playgrounds. n.d. Union Pacific system, St Louis, Mo.

Come up to Colorado. n.d. Denver tourist and publicity bur. 505 17th st. Denver. Also other publications.

The famous loop trip. n.d. Colorado and southern R. R. Denver. Also publishes Pike's peak region. n.d. and other publications.

Pike's peak via the world famous cog road. n.d. Cog wheel route, Manitou.

See also Mesa Verde national park, Rocky Mountain national park.

COLORADO RIVER

Colorado river and its utilization. 1916. Water-supply paper 395. Geol. sur. Wash.

Includes panoramic views of the Grand canyon and other canyons.

COLUMBIA RIVER

The story of the Columbia river, by Ruth K. Wood. 1918. Crowell publishing co. Springfield, O. 20c.

CONNECTICUT

New Haven, Conn. n.d. Chamber of commerce, New Haven.

COREA

See Korea.

COSTA RICA

Costa Rica; general descriptive data. (latest ed.) Pan Amer. union, Wash. 5c. Also other publications.

CRATER LAKE NATIONAL PARK

Forests of Crater Lake national park, by J. F. Pernot. 1916. Interior dep't, Wash. Sup't of doc. Wash. 20c.

Geological history of Crater Lake, by J. S. Diller. 1912. Interior dep't, Wash. Sup't of doc. Wash. 10c.

Contains an account of the formation of Crater Lake.

Map of Crater Lake national park. Geol. sur. Wash. 10c.

13¾ by 18¾ inches; scale one mile to the inch.

Panoramic view of Crater Lake national park, by J. H. Renshawe. 1914. Sup't of doc. Wash. 25c. 16½×18 inches; scale one mile to the inch.

Rules and regulations, Crater Lake national park. annual. Nat'l park service, Wash.

Contains bibliography.

CUBA

Cuba, by W. D. Moffat. 1919. Crowell publishing co. Springfield, O. 20c.

Cuba, a winter paradise. (latest ed.) United R. R. of Havana, Havana. Also publishes Where to go in Cuba.

Cuba; general descriptive data. (latest ed.) Pan Amer. union, Wash. 5c. Also other publications.

Distributes a map prepared by War college div. of the War dep't. 1911. Size 15 × 39 inches. 50c.

Bibliography

Insular possessions and Cuba; list of publications. 1922. Sup't of doc. Wash.

CZECHOSLOVAK REPUBLIC

The Czechoslovak republic. 1923. Bank of Europe, 74th st. and First ave. N. Y.

Write the Czechoslovak legation, 2040 S st. N. W. Wash. or Consulate general, 31 E. 17th st. N. Y.

DANISH WEST INDIES

See Virgin Islands.

DELAWARE

Delaware, the diamond state. 1919. State board of agriculture, Dover.

DENMARK

Traveller's guide to the Scandinavian countries. n.d. Scandinavian-Amer. line, 27 Whitehall st. N. Y.

DISTRICT OF COLUMBIA

Free map and guide to Washington. ©1922. Royal blue line co. Raleigh hotel, Wash.

Golden anniversary, 1873-1923. F. H. Smith co. Wash.

Greeter's guide to Washington. ©1922. Distributed by Hotel La Fayette, Wash. Also other publications.

Guide to Washington. 1922. Penn. R. R. system, 610 Kahn bldg, Indianapolis, Ind.

Contains map.

The library of congress, Wash. (Latest ed.) Library of congress, Wash.

Washington. n.d. Baltimore and Ohio R. R. Baltimore, Md.

Washington the capital, by Dwight L. Elmendorf. 1913. Crowell publishing co. Springfield, O. 20c.

DOMINICAN REPUBLIC

Dominican republic; general descriptive data. (latest ed.) Pan Amer. union, Wash. 5c. Also other publications.

DUTCH EAST INDIES

Netherlands East Indies and British Malaya, a commercial and industrial handbook, by John A. Fowler. 1923. Special agents ser. 218. Bur. of foreign and domestic commerce, Wash. Sup't of doc. Wash. \$1.00.

See also Borneo, Java.

DUTCH WEST INDIES

See West Indies, Dutch.

THE EAST (U. S.)

The great ship "Seeandbee" and sister ships. 1923. Cleveland and Buffalo transit co. Cleveland, O. Also other publications.

EAST INDIES, DUTCH

See Dutch East Indies.

ECUADOR

Ecuador; general descriptive data. (latest ed.) Pan Amer. union, Wash. 5c. Also other publications.

EGYPT

Egypt; special tourist number of The Sphinx. 1922. Egyptian promotion ass'n, Cairo.

Egypt, the land of mystery, by Dwight L. Elmendorf. 1913. Crowell publishing co. Springfield, O. 20c.

To the land of King Tut-Ankh-Amen. 1923. Temple tours, 65 Franklin st. Bost.

See also Dates in list of Industries and commercial products.

ENGLAND

Guide books. Ed. J. Burrow and co. ltd, Landsdown, Cheltenham. Includes guide books for English towns and cities, lake district, Thames valley, cathedrals, abbeys and old churches, commercial handbooks describing the industrial productions and resources of the leading manufacturing centers, road guides and town plans. Send for catalog.

- The land of history and romance. n.d. Midland R. R. Derby. Distributed by Thos. Cook and son, 245 Broadway, N. Y.
- London, by Dwight L. Elmendorf. Crowell publishing co. Springfield, O. 20c.
- The lure of lakeland. n.d. Apply to John Fairman, Lond. Midland and Scottish R. R. 200 Fifth ave. N. Y. Also other publications.
- A tour through England and Scotland. n.d. Lond. and north eastern R. R. of England, 311 Fifth ave. N. Y.
- The Wye valley. 1915. Great western R. R. of England, 315 Fifth ave. N. Y.

ERITREA

- Eritrea, a Red sea Italian colony of increasing interest to American commerce, by Addison E. Southard. 1920. Special consular rep'ts 82. Bur. of foreign and domestic commerce bur. Wash. Sup't of doc. Wash. 10c.

EUROPE

- The American traveler in Europe. 1923. Amer. express co. Travel dep't, 65 Broadway, N. Y. Also other publications.
- Europe. 1923. The Temple tours, 65 Franklin st. Bost. Also other publications.
- Gates tours to Europe. ©1923. Gates tours, 225 Fifth ave. N. Y.
- Physiographic diagram of Europe, by A. K. Lobeck. ©1923. Wis. geographical press, 1635 Madison st. Madison, Wis. 25c.
Includes descriptive text.
- Travel map of Europe. 1922. Internat'l mercantile marine co. 1 Broadway, N. Y.
- See also* names of different countries of Europe e. g. Spain.

FAR EAST

- The American traveler in the far east. 1923. Amer. express co. Travel dep't, 65 Broadway, N. Y.
- Straits, China and Japan. 1922. Ellerman and Bucknall S. S. co. ltd, 104 Leadenhall st. Lond. E. C. 3.
Contains maps and information regarding the principal ports of call.
- See also* names of countries in the far east e. g. China.

FEDERATED MALAY STATES

- See* Malay States, Federated.

FLORIDA

- Bartow, Florida. n.d. Board of trade, Bartow.
- Board of trade, Tampa, supplies information about Tampa.
- East coast of Florida. ©1922. Florida east coast R. R. co. St Augustine. Also other publications.

- The land of promise. n.d. Georgia, Florida and Alabama R. R. co. Bainbridge, Ga.
- Polk county, Florida. 1921. Publicity dep't, Board of county commissioners, Bartow.
- The port of Jacksonville. n.d. City advertising dep't, Room 11, City hall, Jacksonville. Also other publications.
- St Petersburg, Florida. n.d. Chamber of commerce, St Petersburg. Also other publications.
- Tropical trips. 1922. Atlantic coast line, Wilmington, N. C.
- See also Bananas, in list of Industries and commercial products.

FRANCE

- France and the North African coast. n.d. French line, 19 State st. N. Y.
- French Switzerland. 1923. Distributed by Swiss federal R. R. 241 Fifth ave. N. Y.
- Guide books. Ed. J. Burrow and co. ltd, Lansdown, Cheltenham, England.
- Guide books for French towns. Send for catalog.
- How to see Paris and the battlefields. 1922. Thos. Cook and son, 2 Place de la Madeleine, Paris. Also other publications. Distributes Paris, London air lines.
- Paris, the incomparable, by Dwight L. Elmendorf. 1913. Crowell publishing co. Springfield, O. 20c. Also publishes The story of Versailles, by Frances Loring Pyne. 1919. 20c.
- A popular geography of France, industries, principal cities, by B. Van Vorst. 1919. French gov't tourist information office, 342 Madison ave. N. Y. Also publishes a monthly bulletin in English, *Le voyageur en France*.
- See also Educational prints in list of Lantern slides, pictures etc.

GLACIER NATIONAL PARK

- Glacier national park. n.d. Great northern R. R. St Paul, Minn. Publishes two pamphlets with the same title.
- Glacier national park, by W. T. Hornaday. 1914. Crowell publishing co. Springfield, O. 20c.
- Glacier national park; popular guide to its geology and scenery, by M. R. Campbell. 1914. Bull. 600. Geol. sur. Wash. Sup't of doc. Wash. 30c.
- Glaciers of Glacier national park, by W. C. Alden. 1914. Interior dep't, Wash. Sup't of doc. Wash. 15c.
- Origin of scenic features of Glacier national park, by Marius R. Campbell. 1914. Interior dep't, Wash. Sup't of doc. Wash. 15c.
- General account of the forces that have caused the development of the mountain ranges, the valleys and lakes of Glacier national park.

- Panoramic view of Glacier national park, prepared by John H. Renshawe. 1914. Sup't of doc. Wash. 25c.
 18½ × 21 inches. Scale 3 miles to the inch.
- Rules and regulations, Glacier national park, Montana. annual. Nat'l park service, Wash.
 Contains bibliography.
- Some lakes of Glacier national park, by M. J. Elrod. 1912. Interior dep't, Wash. Sup't of doc. Wash. 10c.
- Topographic map of Glacier national park. Geol. sur. Wash. 25c.
 Size 32 × 28½ inches. Scale 2 miles to the inch.

GENERAL GRANT NATIONAL PARK

- Forests of Yosemite, Sequoia, and General Grant national parks, by C. L. Hill. 1916. Interior dep't, Wash. Sup't of doc. Wash. 20c.
- Rules and regulations, Sequoia and General Grant national parks. annual. Nat'l park service, Wash.
 Contains bibliography.
- Topographic maps of General Grant national park. Geol. sur. Wash. 10c. ea.
 Mapped on the Tehipite and Kaweah quadrangles, scale 2 miles to the inch.
- See also* Big trees in Miscellaneous list.

GEORGIA

- Georgia, the empire state of the south. 1919. Distributed by Tilson and McKinney, 212 Palmer bldg, Atlanta. Also other publications.
 Originally published by the U. S. R. R. administration.
- The land of promise. n.d. Georgia, Florida and Alabama R. R. co. Bainbridge.
- See also* Quarrying in list of Industries and commercial products.

GERMANY

- The story of the Rhine, by Dwight L. Elmendorf. 1914. Crowell publishing co. Springfield, O. 20c.

GRAND CANYON NATIONAL PARK

- The grand canyon, by Dwight L. Elmendorf. 1915. Crowell publishing co. Springfield, O. 20c.
- Grand canyon national park, Arizona. annual. Nat'l park service, Wash.
 Contains bibliography.
- Grand canyon outings. n.d. Santa Fe, Railway exchange, Chic.

GREAT BRITAIN

- The annual reports of the Colonial office in regard to British colonies, not possessing responsible government and British protectorates

contain some geographical material. They are published by His Majesty's stationery office, Imperial house, Kingsway, Lond. W. C. 2.

British library of information, 44 Whitehall st. N. Y. furnishes information on Great Britain. Government publications can also be ordered through this library.

The economic position of the United Kingdom, 1912-1918, by William A. Paton. 1919. Misc. ser. 96. Bur. of foreign and domestic commerce, Wash. Sup't of doc. Wash. 15c.

See also Names of countries belonging to Great Britain, e. g. Canada.

GREAT LAKES

Book of facts. 1922. Great Lakes—St Lawrence tidewater ass'n, Duluth, Minn. Also other publications.

Great lakes, by Dwight L. Elmendorf. Mentor, Oct. 1920. Crowell publishing co. Springfield, O. 35c.
Contains articles and pictures.

Lake Superior to the sea, by Garnault Agassiz. n.d. Distributed by Northern navigation co. ltd, Sarnia, Ont.

The waterway, a lake of three cities. 1923. Detroit and Cleveland navigation co. Detroit, Mich.

GUATEMALA

Guatemala; general descriptive data. (Latest ed.) Pan Amer. union, Wash. 5c. Also publishes a map from official and other sources. 1902. Size 28 × 30 inches. 50c. Also other publications.

HAITI

Haiti; general descriptive data. (latest ed.) Pan Amer. union, Wash. 5c. Also other publications.

HAWAII

Hawaii, by E. M. Newman. 1917. Crowell publishing co. Springfield, O. 20c.

Hawaii, folder. Hawaii tourist bur. Honolulu, or Monadnock bldg, San Francisco. Also other publications.

Rep't of governor. 1922. Dep't of interior, Wash.
Contains map.

Bibliography

Insular possessions and Cuba; list of publications. 1922. Sup't of doc. Wash.

HAWAII NATIONAL PARK

Rules and regulations, Hawaii national park, Hawaii. (latest ed.) Nat'l park service, Wash.
Good illustrations.

HOLLAND

See Netherlands.

HOLY LAND

See Palestine

HONDURAS

Honduras; general descriptive data. (latest ed.) Pan Amer. union, Wash. 5c. Also other publications.

HOT SPRINGS NATIONAL PARK

Hot Springs national park, Arkansas. c1922. Rock Island lines, Chic.

The Hot Springs national park of Arkansas. n.d. Missouri Pacific R. R. co. Railway exchange, St Louis, Mo.

Rules and regulations, Hot Springs national park, Ark. annual. Nat'l park service, Wash.

IDAHO

Utah outings-Idaho. n.d. Union Pacific system, St Louis, Mo.

Washington and northern Idaho. n.d. Northern Pacific R. R. St Paul, Minn.

See also Yellowstone national park.

ILLINOIS

Come to prosperous Peoria, second city in Illinois. n. d. Ass'n of commerce, Peoria.

Free map and guide to Chicago. n. d. Royal blue line motor tours, Morrison hotel, Chic.

Geography of the upper Illinois valley, by Carl O. Sauer. 1916. Bull. 27. State geol. sur. Urbana. Sent for postage. Mailing weight about two pounds. Also publishes Map of Illinois mineral resources 25c, and other maps and publications.

A little trip on a great canal. 1920. Sanitary district, Chic.

Railroad map of Illinois showing railroad and electric lines. Illinois power and light corporation, Publicity dep't, Peoria.

Starved Rock state park, by Horace Hull. 1919. Dep't of public works and buildings, Springfield. Also publishes Parks and memorials of the state of Ill. 1920. Out of print but new edition soon to be printed.

Watch Elgin. n.d. Ass'n of commerce, Elgin.

You'll like Springfield. folder. n.d. Chamber of commerce, Springfield.

See also Coal, Coal mining in list of Industries and commercial products.

INDIA

Beauty spots of India, by Dwight L. Elmendorf. 1915. Crowell publishing co. Springfield, O. 20c.

Caste in India, by Mrs L. E. Linzell. 1918. Lessons in community and nat'l life. Ser. A. Bur. of educ. Wash. Sup't of doc. Wash. 15c.

India. 1922. Thos. Cook and son, Bombay.
Contains map.

Time tables. 1923. Great Indian peninsula R. R. Victoria terminus, Bombay.
Has descriptive notes of places of interest and map.

INDIANA

Building the industrial city of Gary, by G. W. Swartz. 1918. Lessons in community and nat'l life. Ser. B. Bur. of educ. Wash. Sup't of doc. Wash. 15c.

Fort Wayne welcomes you. n.d. Chamber of commerce, Fort Wayne.
Also other publications.

See also Limestone in list of Industries and commercial products.

IOWA

Davenport, the gateway to the west. n.d. Chamber of commerce, Davenport. Also other publications.

For the busy man who wants to know—n.d. Chamber of commerce, Clinton.

Iowa and Minnesota lakes. n.d. Rock Island lines, Chic.

Sioux City, facts. 1923. Chamber of commerce, Sioux City. Also other publications.

See also Water power in Miscellaneous list.

IRELAND

Guide books. Ed. J. Burrow and co. ltd, Lansdown, Cheltenham, England.

Guide books for Irish towns. Send for catalog.

Romantic Ireland, by Dwight L. Elmendorf. 1913. Crowell publishing co. Springfield, O. 20c. Also publishes Ireland today, by E. M. Newman, Mentor, April 1921. 35c.

ITALY

Guide books. Ed. J. Burrow and co. ltd, Lansdown, Cheltenham, England.

Guide books for Italian towns.

Venice, the island city, by Dwight L. Elmendorf. 1913. Crowell publishing co. Springfield, O. 20c.

See also Mediterranean.

JAPAN

China, Japan, the Philippines. 1923. Amer. express co. Travel dep't, 65 Broadway, N. Y.

Information for travellers landing in Japan. 1920. Thos. Cook and son, Yokohoma.

Japan. 1922. Japan gov't R. R. Traffic bur. Tokyo.
Contains map.

Japan, by Dwight L. Elmendorf. 1914. Crowell publishing co. Springfield O. 20c.

Japan, a comparison. 1923. Japan society, inc. 25 W. 43rd st. N. Y. 2c. Also publishes Syllabus on Japan. 1923. 2c.

Superfine service through Seattle, Japan, China to Manila. n.d. Nippon Yusen Kaisha, Coleman bldg, Seattle, Wash.

JASPER NATIONAL PARK

Jasper national park. n.d. Canadian nat'l railways, 112 W. Adams st. Chic.

JAVA

Come to Java. 1922-23. Distributed by Holland-Amer. chamber of commerce for the Pacific coast states, inc. 216 Montgomery st. San Francisco, Cal.

KANSAS

Kansas. 1919. Rock Island lines, Chic. Also other publications.
Kansas, heart of the continent. 1922. Santa Fe, Railway exchange, Chic.

Western Kansas. n. d. Missouri Pacific R. R. Railway exchange bldg, St Louis, Mo. Also publishes Western central Kansas. n.d.

See also Wheat in list of Industries and commercial products.

KOREA

Korea, by E. M. Newman. 1920. Crowell publishing co. Springfield, O. 20c.

Manchuria, Chosen (Korea) n. d. South Manchuria R. R. co. 111 Broadway, N. Y.

LASSEN VOLCANIC NATIONAL PARK

Volcanic history of Lassen peak, by J. S. Diller. 1918. Nat'l park service. Wash. Sup't of doc. Write for price.

LATIN AMERICA

Latin America; general descriptive data. 1921. Pan Amer. union, Wash. Also publishes Exporting to Latin America. 1919.

Issues a map showing railroads in operation and under construction. 1913. Size 16 × 21 inches. Also other publications.

See also Central America, South America, West Indies, and Oils and fats, Petroleum, Platinum, Rice, Sulphur in list of Industries and commercial products.

LOUISIANA

- A brief for New Orleans, the port of the Mississippi valley to the world. 1922. Ass'n of commerce, New Orleans. Also other publications.
- Louisiana. n. d. Kansas City southern R. R. co. Kansas City, Mo. Also other publications.
- Louisiana, her agricultural resources, industrial developments, opportunities. 1920. Dep't of agric. and immigration, Immigration div. New Orleans. Also publishes Map of Louisiana. 1921. A phytographic map showing principal vegetation areas, all principal commercial points, town populations and railway distances.
- Louisiana, nature's garden spot. n. d. Illinois central R. R. Chic.
- The Monroe gas field. 1922 Chamber of commerce, Monroe.
Condensed from Bull. 9 of the Bur. of mines.
- The new kingdom of corn, Louisiana. n. d. Rock Island lines, Chic.
- New Orleans, the nation's second port. 1923. Board of commissioners of the port of New Orleans, New Orleans. Also several pamphlets on the navigation canal recently completed.
- "On to Dixie," northwest Louisiana. Cotton belt route, St Louis, Mo.
- Shreveport. monthly. Chamber of commerce, Shreveport.
- Souvenir, nat'l rice day carnival. 1922. Ass'n of commerce, Lake Charles.
- The west side delta. c1920. Southern alluvial land ass'n, Memphis, Tenn. Also other publications.
- The wet lands of southern Louisiana and their drainage, by Charles W. Okey. Dep't bull. 652. Agric. dep't, Wash. Sup't of doc. Wash. 20c.
- See also* Rice in list of Industries and commercial products.

MAINE

- In the Maine woods. (latest ed.) Bangor and Aroostook R. R. co. Bangor. 10c. Also other publications.
- Regarding diversified farming and industrial resources along Maine central R. R. 1917. Maine central R. R. Portland.
- See also* Sardines in list of Industries and commercial products.

MALAY STATES, FEDERATED

- Souvenir of Malaya. n. d. Distributed by Pacific Mail S. S. co. 508 California st. San Francisco, Cal.
- See also* Mining in list of Industries and commercial products.

MALAY PENINSULA

- Netherlands East Indies and British Malaya, a commercial and industrial handbook, by John A. Fowler. 1923. Special agents ser.

218. Bur. of foreign and domestic commerce, Wash. Sup't of doc. Wash. \$1.00.

MANCHURIA

Manchuria, Chosen (Korea) n. d. South Manchuria R. R. co. 111 Broadway, N. Y. Also other publications.

MANITOBA

Where dreams come true, Winnipeg. n. d. Board of trade, Winnipeg. Also other publications.

MARYLAND

The advantages of Baltimore as a trade center, by Robert J. Beacham. n. d. Merchants' and manufacturers' ass'n. 22 Light st. Baltimore. Annual rep't. (latest ed.) Harbor board, Baltimore.

The rep't for 1920-21 contains a large map of Baltimore harbor.

Baltimore. the seaboard city of new industries. ©1922. Board of trade, Baltimore.

Sunny southern Maryland. n. d. Southern Md immigration commission, College Park. Also other publications.

MASSACHUSETTS

The Berkshire hills. n. d. New York, New Haven and Hartford R. R. New Haven, Conn. Also publishes a folder on Cape Cod. 1923, Martha's Vineyard. 1923, and Nantucket. 1923.

Cape Cod. n. d. Cape Cod chamber of commerce, Hyannis. 10c.

Facts and figures about Fall River, Mass. n.d. Chamber of commerce, Fall River.

Free map and guide to Boston and vicinity. ©1922. Royal blue line co. inc. Hotel Brunswick, Bost.

The Haverhill book. n.d. Chamber of commerce, Haverhill.

Population and resources of Cape Cod. 1922. Dep't of labor and industries, Bost.

Furnished to school libraries within certain limitations, for postage.

The port of New Bedford. 1922. Board of commerce, New Bedford. Also other publications.

Worcester, heart of the commonwealth of Mass. n.d. Chamber of commerce Worcester.

MEDITERRANEAN

The Mediterranean, by Dwight L. Elmendorf. 1913. Crowell publishing co. Springfield, O. 20c.

See also names of countries bordering on Mediterranean, e. g. Italy.

MESA VERDE NATIONAL PARK

Excavation and repair of Sun temple, Mesa Verde national park, by J. W. Fewkes. 1916. Interior dep't, Wash. Sup't of doc. Wash. 15c.

The Sun temple shows the best masonry and is the most mysterious structure yet discovered in this park.

Panoramic view of Mesa Verde national park. 1915. Sup't of doc. Wash. 25c.

22½ × 19 inches; scale three fourths mile to the inch.

Rules and regulations, Mesa Verde national park. annual. Nat'l park service, Wash.

Contains bibliography.

Topographic map of Mesa Verde national park. Geol. sur. Wash. 20c. 43 × 28 inches; scale, ½ mile to the inch.

MEXICO

Map of Mexico. 1916. Army war college, Wash. Sup't of doc. Wash. 25c.

31 × 43 inches; scale, 50 miles to the inch. Shows all railroads, towns, cities, and villages of any importance.

Mexico, by Frederick Palmer. 1914. Crowell publishing co. Springfield, O. 20c. Also publishes Picturesque Mexico. Mentor, Nov. 1922. 35c.

Mexico; general descriptive data. (latest ed.) Pan Amer. union, Wash. 5c. Also publishes Mexico, the city of palaces. 5c.

Distributes map prepared in War college div. of the War dep't. 1915. Size 34 × 47 inches. 25c.

MICHIGAN

Beautiful and dynamic Detroit. n.d. Convention and tourists' bur. 821 Ford bldg, Detroit.

Cleveland. n.d. Upper peninsula development bur. Marquette. Also other publications.

Kalamazoo, Mich. 1923. Chamber of commerce, Kalamazoo.

Mackinac island and Michigan resorts. 1923. Michigan central R. R. co. Chic.

Northeastern Michigan. Northeastern Michigan development bur. Bay City. Also other publications.

Official blue book. annual. Chamber of commerce, Flint.

Saulte Sainte Marie. n.d. Civic and commercial ass'n, Saulte Ste Marie. Also other publications.

MINNESOTA

Facts about Duluth, the great inland ocean port. n. d. Chamber of commerce, Duluth. Also other publications.

Iowa and Minnesota lakes. n. d. Rock Island lines, Chic.

Minnesota. n.d. Northern Pacific R. R. St Paul.

Minnesota, by counties. 1919. State board of immigration, St Paul. Also publishes pamphlets on different sections of the state, Cen-

tral Minnesota. n.d. Northeastern Minnesota. n.d. Northwestern Minnesota. n.d. Southern Minnesota. n.d. and other publications. Northern Minnesota. n.d. Great Northern R. R. St Paul.

St Louis county, Minn. Map folder. c1921. Duluth and Iron range R. R. co. Duluth.

A trip worth while. 1915. Duluth, Missabe and Northern R. R. Duluth.

MISSISSIPPI

Greenville, Mississippi. n.d. Chamber of commerce, Greenville.

Mississippi, a wonderful agricultural state. n.d. Ill. central R. R. Chic. Also other publications.

The Yazoo—Mississippi delta. c1920. Southern alluvial land ass'n, Memphis, Tenn. Also other publications.

MISSISSIPPI RIVER

The Mississippi river, by Albert B. Hart. 1918. Crowell publishing co. Springfield, O. 20c.

See also Water power in Miscellaneous list.

MISSOURI

Missouri. folder. 1919. Rock Island lines, Chic. U. S. R. R. administration pamphlet.

The Ozark mountain region of Missouri and Arkansas. n.d. Kansas City southern R. R. co. Kansas City.

Pleasant spots among the Ozarks. n.d. Rock Island lines, Chic. Also other publications.

St Louis, the logical convention city of the United States. n.d. Convention, publicity and tourist bur. 507 Commercial bldg, St Louis. Also other publications.

Southeastern Missouri. n.d. Missouri Pacific R. R. co. Railway exchange bldg, St Louis.

What to see in St Louis and how to get there. n.d. First nat'l bank, St Louis.

MONTANA

Billings beckons. c1921. Commercial club, Billings. Also other publications.

The Judith basin, Montana. n.d. Chamber of commerce, Lewiston. Missoula, the city of the five valleys. 1918. Chamber of commerce, Missoula. Also other publications.

Montana, the land of independence. n.d. Great northern R. R. St Paul, Minn. Also other publications.

Montana, the treasure state. n. d. Northern Pacific R. R. St Paul, Minn. Also publishes The flathead country, Montana 1922.

Montana, the treasure state. 1916. Chic. Milwaukee and St Paul R. R. Chic.

Resources of Montana, the land of opportunity. 1923. Dep't of agric. and publicity, Helena. To be issued in the summer of 1923.

See also Glacier national park, Yellowstone national park, and Gold mining in list of Industries and commercial products.

MOUNT RAINIER NATIONAL PARK

Forests of Mount Rainier national park, by G. F. Allen. 1922. Nat'l park service, Wash. Sup't of doc. Wash. 20c.

Map of Mount Rainier national park. Geol. sur. Wash. 10c.
20 × 18¾ inches; scale, 1 mile to the inch.

Mount Rainier and its glaciers, by F. E. Matthes. 1914 Interior dep't, Wash. Sup't of doc. Wash. 15c.

This pamphlet contains a general account of the glaciers of Mount Rainier and of the development of the valleys and basins surrounding the peak.

Mount Rainier national park, by Belmore Browne. 1918. Crowell publishing co. Springfield, O. 20c.

Panoramic view of Mount Rainier national park. Sup't of doc. Wash. 25c.

19 × 20 inches; scale 1 mile to the inch.

Rules and regulations Mount Rainier national park. annual. Nat'l park service, Wash.

Contains bibliography.

NATIONAL PARKS AND RESERVES

Glimpses of our national parks, by Robert S. Yard. 1916. Interior dep't, Wash.

Contains descriptions of the most important features of the principal national parks.

National parks portfolio, by Robert S. Yard. (latest ed.) Dep't of interior, Wash. Sup't of doc. Wash. \$1.00.

Contains 9 chapters, each descriptive of a national park, and one longer chapter devoted to other parks and monuments.

See also Canada— National parks, and names of parks e. g. Yosemite national park.

NEBRASKA

Lincoln, facts and figures about a real city. n.d. Chamber of commerce, Lincoln. Also other publications.

Nebraska. n.d. Rock Island lines, Chic.

U. S. R. R. administration pamphlet.

Nebraska resources and industries. Bull. 16. 1923. Conservation and sur. div. of the univ. of Neb. Lincoln.

Omaha, the gate city of the west. n.d. Bur. of publicity, Chamber of commerce, Omaha. Also other publications.

See also Packing industry, Wheat in list of Industries and commercial products.

NETHERLANDS

Economic aspect of the commerce and industry of the Netherlands 1912-1918, by Blaine F. Moore. 1919. Misc. ser. 91. Bur. of foreign and domestic commerce, Wash. Sup't of doc. Wash. 15c.

Holland, by Dwight L. Elmendorf. 1914. Crowell publishing co. Springfield, O. 20c.

See also Dutch East Indies.

NETHERLANDS EAST INDIES

See Dutch East Indies.

NEVADA

Notes on some mining districts in eastern Nevada, by James M. Hill. 1916. Bull. 648. Geol. sur. Wash. Sup't of doc. Wash. 20c.

NEW ENGLAND

Fall River line. New England S. S. co. N. Y.

Historic places in New England. n.d. N. Y., New Haven and Hartford R. R. New Haven, Conn. Also other publications.

See also names of states e. g. Massachusetts.

NEW HAMPSHIRE

To the summit of Mount Washington. n.d. Boston and Maine R. R. North sta. Bost.

NEW JERSEY

Atlantic City, the playground of the world. folder. n.d. Convention and publicity bur. inc. Atlantic City.

Facts about Elizabeth. n.d. Chamber of commerce, Elizabeth.

NEW MEXICO

A guide to New Mexico. State land office, Santa Fe.

The national forests of New Mexico. 1922. Dep't circ. Dep't of agric. Wash. Sup't of doc. Wash. 5c.

New Mexico the sunshine state. n. d. Santa Fe, Railway exchange, Chic. Also publishes Old Santa Fe and round about. n.d.

NEW YORK

Adirondacks, Thousand islands. n.d. New York central R. R. N. Y. Brooklyn, industrial advantages. 1923. Chamber of commerce, 32 Court st. Brooklyn. Also publishes a weekly bulletin, Brooklyn.

Buffalo, America's gateway to and from the great northwest, yearbook. 1920. Distributed by Chamber of commerce, Buffalo. Also other publications.

The canal system of New York state. 1922. Sup't of pubic works, Albany.

- The cathedral of commerce. ©1917. Broadway park place co. Woolworth bldg, N. Y. 25c. plus postage.
Describes the Woolworth building, giving views of New York city from the observation tower.
- The Catskill mountains. n.d. Ulster and Delaware R. R. Kingston. Chamber of commerce, Rome, is preparing a booklet descriptive of Rome, its industries and points of historical interest.
- The city of New York. 1922. Chamber of commerce of the state of N. Y. 65 Liberty st. N. Y.
- Facts and figures about Rochester. n.d. Chamber of commerce, Rochester.
- Free map and guide to New York. ©1923. Royal blue line co. Hotel McAlpin, N. Y.
- New York via Hudson river day line. n.d. Hudson river day line, Desbrosses st. pier, N. Y. Also publishes The Catskill mountains. n.d. and Travelogue of the Hudson river. n.d.
- Niagara belt line. folder. 1923. Niagara gorge R. R. co. Niagara Falls. Contains bird's eye view showing Niagara falls and gorge, colored.
- Some facts about Utica, the heart of the empire state. 1922. Chamber of commerce, Utica.
- Staten island, New York city, its industrial resources and possibilities. 1922. Merchants' ass'n of N. Y. 233 Broadway, N. Y. Also publishes an Industrial map of New York city, 50c. and other publications.
- The story of the Hudson, by Albert B. Hart. 1917. Crowell publishing co. Springfield, O. 20c.
- A summer paradise. (latest ed.) Delaware and Hudson co. Albany. 6c. Also other publications.
- Up the Hudson. n.d. Central Hudson S. S. co. Newburgh.
- The wonders of Niagara. n. d. Shredded wheat co. Niagara Falls. 10c.
See also Ohman map co. in List of addresses, Maps etc.

NEW ZEALAND

- Mount Egmont and the gardens of Taranaki, by Will Lawson. ©1919. Dep't of tourist and health resorts, Wellington. Also other publications.
- Year book. (latest ed.) Harbour board, Wellington.
Information relative to the port of Wellington.
- See also* Meat in list of Industries and commercial products.

NEWFOUNDLAND

- Dominion of Newfoundland. n.d. Reid Newfoundland co. ltd, St. John's.

NICARAGUA

Nicaragua; general descriptive data. (latest ed.) Pan Amer. union, Wash. 5c. Also other publications.

NORTH CAROLINA

Asheville, America's beauty spot. n.d. Chamber of commerce, Asheville. Also other publications.

Raleigh. folder. n. d. Chamber of commerce, Raleigh. Also other publications.

NORTH DAKOTA

Commercial club, Grand Forks, will furnish literature on Grand Forks and the surrounding country.

Map folder of North and South Dakota. n.d. Chic. Milwaukee and St Paul R. R. co. Chic.

North Dakota. n.d. Great northern R. R. St Paul, Minn.

North Dakota. n.d. Northern Pacific R. R. St Paul, Minn.

North Dakota, the land of sunshine. n.d. Dep't of immigration, Bismarck. Also other publications.

NORTHWEST (CANADA)

Map of Manitoba, Saskatchewan, Alberta. n.d. Grand trunk Pacific R. R. Winnipeg, Man.

Pacific coast tours through the Canadian Pacific Rockies. 1923. Canadian Pacific R. R. 140 S. Clark st. Chic. Also other publications.

Good illustrations.

See also Rocky mountains—Canadian Rockies.

NORTHWEST (U. S.)

The Pacific northwest and Alaska. n.d. Northwestern line, 226 W. Jackson st. Chic.

The Pacific northwest and Alaska. n.d. Union Pacific system, St Louis, Mo. Also other publications.

The Pacific northwest the wonderland. n.d. Chic. Milwaukee and St Paul R. R. Chic.

Pacific northwest vacations. n.d. Northern Pacific R. R. St Paul, Minn.

The scenic Northwest. n.d. Great northern R. R. St Paul, Minn.

See also Salmon in list of Industries and commercial products.

NORWAY

Norway, a commercial and industrial handbook, by Nels A. Bengtson. 1920. Special agents ser. 196. Bur. of foreign and domestic commerce, Wash. Sup't of doc. Wash. 10c.

Travellers guide to the Scandinavian countries. n.d. Scandinavian-Amer. line, 27 Whitehall st. N. Y.

Visit the Vikings. n. d. Norwegian America line, 109 N. Dearborn st. Chic.

NOVA SCOTIA

Nova Scotia, by Ruth K. Wood. 1920. Crowell publishing co. Springfield, O. 20c.

OHIO

Akron, the city of opportunity. n.d. Chamber of commerce, Akron. Also publishes a monthly bulletin.

Canton, the city of diversified industries. 1921. Chamber of commerce, Canton. Also other publications.

Cincinnati. n.d. Chamber of commerce, Cincinnati. Also other publications.

Cleveland, fifth city. n.d. Chamber of commerce, Cleveland.

New booklet descriptive of Toledo in preparation. Chamber of commerce, Toledo.

The Ohio river, by Albert B. Hart. 1920. Crowell publishing co. Springfield, O. 20c.

OKLAHOMA

Bureau of geology, Norman furnishes information on all the natural resources of Oklahoma and adjacent states.

Eastern Oklahoma. n.d. Kansas City southern R. R. Kansas City Mo.

Howdy! Welcome to Oklahoma City. n.d. Chamber of commerce, Oklahoma City. Also publishes Oklahoma, weekly, and other publications.

Oklahoma. n.d. Santa Fe, Railway exchange bldg, Chic. Also another pamphlet of the same title.

ONTARIO

Hamilton, Canada, the city of opportunity. n.d. Commissioner of industries and publicity, Hamilton. Also other publications.

Playgrounds of Ontario. 1923. Canadian nat'l railways, 112 W. Adams st. Chic. Also other publications.

Resorts in Ontario. 1923. Canadian Pacific R. R. 140 S. Clark st. Chic.

Contains map.

OREGON

The heart of Oregon's outdoors. n.d. Chamber of commerce, Eugene, Also other publications.

Oregon. n.d. Great northern R. R. St Paul, Minn.

Oregon for the homeseeker. n.d. Northern Pacific R. R. St Paul, Minn.

Portland, Oregon. folder. n.d. Publicity dep't, Chamber of commerce, Portland. Also other publications.

Bibliography

Pacific state; list of publications for sale. 1922. Sup't of doc. Wash.
See also Crater lake national park and Lumbering in list of Industries and commercial products.

PALESTINE

The holy land, by Dwight L. Elmendorf. 1915. Crowell publishing co. Springfield, O. 20c.

Palestine; its commercial resources with particular reference to American trade, by Addison E. Southard. 1922. Special consular rep'ts 83. Foreign and domestic commerce bur. Wash. Sup't of doc. Wash. 10c.

PANAMA

Panama; general descriptive data. (latest ed.) Pan Amer. union, Wash. 5c. Also other publications.

PANAMA CANAL

The Panama canal; general information. 1923. Panama canal, Wash. 3c.

The story of Panama, by Stephen Bonsal. 1913. Crowell publishing co. Springfield, O. 20c.

Bibliography

Panama canal, canal zone, etc. publications for sale by Sup't of doc. 1921. Sup't of doc. Wash.

PARAGUAY

Paraguay, a commercial handbook, by W. L. Schurz. 1920. Special agents ser. 199. Bur. of foreign and domestic commerce, Wash. Sup't of doc. Wash. 40c.

Paraguay; general descriptive data. (latest ed.) Pan Amer. union, Wash. 5c. Also publishes Commerce of Paraguay. (latest ed.) and Asuncion, Paraguay's interesting capital. 1918. 5c. Also other publications.

PENNSYLVANIA

Philadelphia. n.d. Board of trade, Bourse bldg, Phil.
 Mimeographed.

Philadelphia, free map and guide. n. d. Royal blue line co. Hotel Bellevue-Stratford, Phil.

The port of Philadelphia, its facilities and advantages. 1914. Board of commissioners of navigation, The Bourse, Phil. Also distributes The port and city of Philadelphia. 1912. and Pennsylvania and its manifold activities. 1912. The three sent for 27c. for postage.

Valley Forge on the Reading. n.d. Phil. and Reading R. R. Phil.
Also publishes Gettysburg. n.d.

See also Carpets, Cars, Department stores, Gas, Hats, Market garden-
ing in list of Industries and commercial products.

PERU

Peru, by E. M. Newman. 1917. Crowell publishing co. Springfield,
O. 20c.

Peru; general descriptive data. (latest ed.) Pan Amer. union, Wash.
5c. Also publishes Lima the city of the kings. 5c. Also other
publications.

PHILIPPINE ISLANDS

Bureau of agriculture, Manila, P. I. publishes a list of bulletins,
many of which can be used for geography. Write for list.

How to see Manila. 1921. Thos. Cook and son, Manila.

The Philippine Islands, by Dean C. Worcester. 1915. Crowell pub-
lishing co. Springfield, O. 20c.

Philippine Islands, general information. n. d. Bur. of commerce and
industry, Manila.

Philippine resources and opportunities. 1921. Philippine gov't com-
mercial agency, 37 Broadway, N. Y.

Superfine service through Seattle, Japan, China to Manila. n.d. Nip-
pon Yusen Kaisha, Coleman bldg, Seattle, Wash.

Bibliography

Insular possessions and Cuba; list of publications. 1922. Sup't of
doc. Wash.

See also Binder twine, Kapok, Lumbering industry, Rice, Sugar, in
list of Industrial and commercial products.

POLAND

Poland, old and new, by Ruth K. Wood. 1920. Crowell publishing
co. Springfield, O. 20c.

POLYNESIA

The lure of the South Seas, by Frederick O'Brien. Mentor, Feb. 1922.
Crowell publishing co. Springfield, O. 35c.

Sydney short line. folder. n.d. Oceanic S. S. co. 2 Pine st. San Fran-
cisco, Cal.

Contains a few pictures.

PORTO RICO

General information; the island of Porto Rico. n.d. Red D line of
steamships, 82 Wall st. N. Y. Also publishes a map of Porto Rico.

Porto Rico, by Dwight L. Elmendorf. 1920. Crowell publishing co.
Springfield, O. 20c.

Bibliography

Insular possessions and Cuba; list of publications. 1922. Sup't of doc. Wash.

PORTUGUESE EAST AFRICA

Portuguese East Africa, its resources, industries and trade, by Samuel W. Honaker. 1923. Special consular rep'ts 85. Bur. of foreign and domestic commerce, Wash. Sup't of doc. Wash. 5c.

QUEBEC

Illustrated description of the city of Quebec and the surrounding country. n.d. Quebec central R. R. co. Sherbrooke.

Montreal. n.d. Canadian nat'l railways, 112 W. Adams st. Chic.

QUEENSLAND

The pocket Queensland. 1914. Intelligence and tourist bur. of Queensland. Brisbane. Also other publications.

RAINIER NATIONAL PARK

See Mount Rainier national park.

RHODESIA

Rhodesia, a land of sunshine. 1922. British South Africa co. 2 London Wall bldgs, Lond. E. C. 2. Contains a map. Also publishes *Ranching in Rhodesia*, *Grow oranges in Rhodesia*, *Grow tobacco in Rhodesia*, and other publications.

ROCKY MOUNTAIN NATIONAL PARK

The geological story of Rocky mountain national park, by Willis T. Lee. 1917. Nat'l park service, Wash. Sup't of doc. Wash. 30c.

Map of Rocky mountain national park. Geol. sur. Wash. 10c
13½×20½inches; scale 2 miles to the inch.

Mountaineering in the Rocky mountain national park, by Roger W. Toll. 1919. Nat'l park service, Wash. Sup't of doc. Wash. 35c.

Panoramic view of Rocky mountain national park. Sup't of doc. Wash. 25c.

14×17 inches; scale 2 miles to the inch.

Rocky mountain national park. n. d. Rock Island lines, Chic.

Rocky mountain national park, Estes park. n. d. Colorado and southern R. R. co. Denver, Colo.

Contains map.

Rocky mountain national park, Estes park. n. d. Union Pacific system, St Louis, Mo.

Contains map.

Rules and regulations, Rocky mountain national park, Colorado. annual. Nat'l park service. Wash.

Contains bibliography.

The Banff Windermere highway. 1923. Canadian nat'l parks, 178 Queen st. Ottawa Canada. Also publishes Through the heart of the Rockies and Selkirks, by M. B. Williams. 1921. and other publications.

Both contain maps.

ROCKY MOUNTAINS-CANADIAN ROCKIES

The Canadian Rockies, by Ruth Kedzie Wood. 1917. Crowell publishing co. Springfield, O. 20c.

See also Banff national park, Jasper national park and Glaciers in Miscellaneous list.

RUSSIA

Russia, a consideration of conditions as revealed by soviet publications. n.d. Amer. bankers ass'n, 110 E. 42 st. N. Y.

The story of Russia, by Leo Pasvolsky. 1917. Crowell publishing co. Springfield, O. 20c.

ST LAWRENCE RIVER

Book of facts. 1922. Great Lakes—St Lawrence tidewater ass'n, Duluth, Minn. Also other publications.

The St Lawrence river, by Ruth K. Wood. 1919. Crowell publishing co. Springfield, O. 20c.

SALVADOR

Salvador; general descriptive data. (latest ed.) Pan Amer. union, Wash. 5c. Also publishes El Salvador of the magic table lands. 1918. Also Commerce of Salvador (latest ed.) and other publications.

SCOTLAND

Guide books. Ed J. Burrow and co. ltd. Lansdown, Cheltenham, England.

Guide books for Scottish towns and Scottish highlands, etc. Send for catalog.

The romance of Scotland. n.d. Apply to John Fairman, Lond. Midland and Scottish R. R. 200 Fifth ave. N. Y.

Scotland the land of song and scenery, by Dwight L. Elmendorf. 1913. Crowell publishing co. Springfield, O. 20c.

A tour through England and Scotland. n.d. London and North eastern R. R. of England, 311 Fifth ave. N. Y.

SEQUOIA NATIONAL PARK

Forests of Yosemite, Sequoia, and General Grant national parks, by C. L. Hill. 1916. Interior dep't, Wash. Sup't of doc. Wash. 20c

- Rules and regulations, Sequoia and General Grant national parks. annual. Nat'l park service, Wash.
Contains bibliography.
- Topographic map of Sequoia national park. Geol. sur. Wash. 10c. ea.
Mapped on the Tehipite and Kaweah quadrangles, scale 2 miles to the inch.
- See also* Big trees in Miscellaneous list.

THE SOUTH (U. S.)

- Large maps of southern states corrected to Feb. 1923, showing railroads and steamship lines. Atlantic coast line R. R. Wilmington, N. C.
- Wintering in the south. 1922. Seaboard air line R. R. co. Norfolk, Va. Also other publications.
- See also* Cotton, Warehouses, Lumbering industry, in list of Industries and commercial products.

SOUTH AMERICA

- Scenic wonders of South America, by Annie S. Peck. 1920. Crowell publishing co. Springfield, O. 20c.
- Seeing South America. 1919. Pan Amer. union, Wash. 25c.
"Principal routes, larger cities, natural wonders, time required, approximate cost and other condensed information for prospective travellers." Also publishes Glances at ports and harbors around South America. 10c.
- South America as an export field, by Otto Wilson. 1914. Special agents ser. 81. Bur. of foreign and domestic commerce, Wash. Sup't of doc. Wash. 25c.
Gives a brief description of the industrial and commercial geography of the different countries of South America.
- Socializing the study of South America, by Ida C. Carter. Teachers college record 22:60-72 Jan. 1921.
Suggestions on how to obtain material. Some addresses. Consult in some library.
- South America. n. d. Lampert and Holt line, 42 Broadway. N.Y. Also publishes a map of South America. Free to teachers.
- Through the heart of the Andes. n.d. Buenos Ayres and Pacific R. R. co. ldt, Dashwood house, 9, New Broad st. Lond. E. C. 2.
- See also* names of countries e.g. Chile, and Coal, Live stock, Petroleum, Platinum, Quebracho tree, Rice, Sulphur, in list of Industries and commercial products.

SOUTH AUSTRALIA

- South Australia; handbook of information. 1922. Intelligence and tourist bur. Adelaide. Also other publications.
Contains map.

SOUTH CAROLINA

- Chamber of commerce, Charlestown, has some new pamphlets in course of publication.

SOUTH DAKOTA

- The Black hills of South Dakota. n.d. Northwestern line, 226 W. Jackson st. Chic.
- The geography of South Dakota, by S. S. Visher. 1918. State geol. and natural history sur. Vermillion. Postage 10c. Also other publications.
- Map folder of North and South Dakota. n.d. Chic. Milwaukee and St Paul R. R. co. Chic.
- South Dakota. 3 pamphlets. n. d. Dep't of immigration, Pierre. Also other publications. Sent for postage.
- The three pamphlets describe the resources and opportunities of the three congressional districts.
- See also* Wind cave national park.

SOUTH SEA ISLANDS

- See* Polynesia.

SPAIN

- Spain and Gibraltar, by Dwight L. Elmendorf. 1913. Crowell publishing co. Springfield, O. 20c.

SWEDEN

- Travellers guide to the Scandinavian countries. n. d. Scandinavian-Amer. line, 27 Whitehall st. N. Y.
- See also* Albert Bonnier publishing house in list of Lantern slides, pictures, etc.

SWITZERLAND

- The economic position of Switzerland during the war, by Louis A. Rufener. 1919. Misc. ser. 90. Bur. of foreign and domestic commerce, Wash. Supt. of doc. Wash. 10c.
- The "Grisons," Switzerland. n. d. Distributed by Swiss federal R. R. 241 Fifth ave. N. Y.
- Illustrated guide to the Bernese Oberland, with maps. n. d. Distributed by Bernese Oberland publicity office, Interlaken. 15c. Also a number of other pamphlets which will be sent for 28c. in United States stamps.
- Switzerland. 1922. Swiss tourist information office, Zurich. 40c. Also publishes a map of Switzerland 30c. and other publications.
- Switzerland, a commercial and industrial handbook, by H. Lawrence Groves. 1921. Special agents ser. 210. Bur. of foreign and domestic commerce, Wash. Sup't of doc. Wash. 40c.
- Switzerland, the land of scenic splendors, by Dwight L. Elmendorf. 1913. Crowell publishing co. Springfield, O. 20c.

TASMANIA

Tasmania; crown lands guide. 1921. Dep't of lands and surveys, Hobart. Also other publications.

TENNESSEE

The call of the alluvial empire. c1919. Southern alluvial land ass'n, Memphis.

In Chattanooga. n.d. Chamber of commerce, Chattanooga. Also other publications.

Memphis, the city of opportunity. n.d. Chamber of commerce, Memphis. Also other publications.

Shiloh national military park. n.d. Mobile and Ohio R. R. co. St Louis, Mo.

TEXAS

Amarillo, Texas. n.d. Board of city development, Amarillo. Also other publications.

East Texas; its topography, soils, timber, agricultural products, people, rainfall, streams, climate, etc. by R. T. Milner. 1914. Bull. 38. Dep't of agric. Austin.

El Paso, gateway to Mexico and the great southwest. n.d. Chamber of commerce, El Paso.

Farming on the S. A. and A. P. R. R. n.d. San Antonio and Aransas pass R. R. co. Bedell bldg, San Antonio. Also other publications.

Fort Worth, the agricultural and industrial center of the southwest. 1922. Chamber of commerce, Fort Worth.

Galveston, port and playground. n.d. Commercial ass'n, Galveston. Also other publications.

Panhandle and south plains, Texas. 1923. Santa Fe, Railway exchange, Chic. Also publishes Northwest Texas. n.d.

The port of Houston. 1922. Chamber of commerce, Houston.

San Antonio. n.d. Chamber of commerce, San Antonio.

Texas, along the Cotton belt route. n.d. Cotton belt route, St Louis, Mo.

Texas, an agricultural empire. n.d. Rock island lines, Chic.

West Louisiana, East Texas and gulf coast. 1917. Kansas City and southern R. R. co. Kansas City, Mo.

See also Citrus fruits, Pecans, Rice, in list of Industries and commercial products.

TRINIDAD

The wonderland of Trinidad. n.d. Barber asphalt co. Land title bldg, Phil.

UNITED STATES

American woolen company mills. c1921. Amer. woolen co. Bost.

"This book gives views of many of the properties of the American woolen co. together with some interesting matter as to some of the cities, towns and villages where these properties are located."
Preface.

Armour's food source map. ©1922. Armour and co. Dep't of public relations, Union stock yards, Chic.

Free to teachers who wish to use it in their school work.

Bureau of the census, Wash. publishes state compendiums. The material embraces for each state all of the census results published concerning the state, its counties, cities, and other civil divisions, with the purpose of furnishing the people, in convenient form, the statistics of the state in which they reside.

The General land office issues maps of the different states showing the State capital, county seats, railroads, canals, county boundaries, swamps and prairie lands, bird reservations, Indian reservations, and life-saving stations, except where noted. They are on a scale of 12 miles to the inch, except where noted. Price 25c. per map or sheet. California map is in two sheets.

Alabama. 1915.	Minnesota. 1905.
Alaska. 1917. Scale 40 miles	Mississippi. 1915.
=1 inch	Missouri. 1911.
Arizona. 1921.	Montana. 1917.
Arkansas. 1914.	Nebraska. 1922.
California. 1913. 2 sheets. Scale	Nevada. 1914.
10 mi=0.8 in.	New Mexico. 1912.
Colorado. 1921.	North Dakota. 1918.
Florida. 1923.	Ohio. 1910.
Hawaii. 1901.	Oklahoma. 1914.
Idaho. 1921.	Oregon. 1922.
Illinois. 1911.	South Dakota. 1918.
Indiana. 1916.	Utah. 1915.
Iowa. 1917.	Washington. 1909.
Kansas. 1912.	Wisconsin. 1912.
Louisiana. 1916.	Wyoming. 1912.
Michigan. 1904. 16 mi = 1 in.	

Order from the Sup't of doc. Wash.

Map of the United States. n.d. Union Pacific system, St Louis, Mo.

National highways maps of the United States showing 100,000 miles of national highways proposed by National highways association. n.d. Nat'l highways ass'n, 3211 Thirteenth st. N. W. Wash.

Also publishes many state maps and maps showing the national highways.

Physiographic diagram of the United States, by A. K. Lobeck. ©1923. Wis. geographical press, 1635 Madison st. Madison, Wis. 25c. Includes descriptive text.

Rural route maps. The maps are published in two forms, one giving simply the rural free delivery routes starting from a single

given post office, sold at 10 cents; the other the rural free delivery routes in an entire county sold at 35 cents. In both forms not only the rural route is given but also roads, rivers, creeks, schools, churches, and even the residences of people living along the lines of the routes; in fact everything in the nature of a landmark. They are on the uniform scale of an inch to a mile. These maps are sold by the Disbursing clerk, Post office dep't, Wash. Write for list.

Periodicals

America today, combined with Fort Dearborn magazine. Amer. bond and mortgage co. inc. Chic.

See also different sections of the country, e. g. The East (U. S.) and names of different states and territories, e.g. Illinois and many of the items in the list of Industries and commercial products and the Miscellaneous list.

URUGUAY

Uruguay; general descriptive data. (latest ed.) Pan Amer. union, Wash. 5c. Also publishes Montevideo the city of roses. 1917. 5c. Also other publications.

UTAH

Four of Ogden's great industries. n.d. Chamber of commerce, Ogden. Also other publications.

Salt Lake city. n.d. Chamber of commerce and commercial club, Salt Lake city. Also other publications.

Scenic Colorado and Utah. n.d. Colorado and southern R. R. co. Denver, Col.

Utah outings-Idaho. n.d. Union Pacific system, St Louis, Mo.

VENEZUELA

Venezuela, a commercial and industrial handbook, by P. L. Bell. 1922. Special agents ser. 212. Bur. of foreign and domestic commerce, Wash. Sup't of doc. Wash. \$1.00.

Venezuela; general descriptive data. (latest ed.) Pan Amer. union, Wash. 5c. Also publishes Commerce of Venezuela. (latest ed.) and Trade and industries of the Orinoco river valley, by Henry D. Baker. 1923. Also other publications.

VERMONT

The Green mountains of Vermont. 1921. Publicity dep't, Office of Sec'y of state, Burlington. Also other publications.

See also Granite industry Maple sugar, Marble industry, Quarrying, in list of Industries and commercial products.

VICTORIA

Victorian year book. (latest ed.) Government statist, Melbourne. 1921-22 costs 4s. 5d.

VIRGIN ISLANDS

The Danish West Indies, their resources and commercial importance, by H. G. Brock, Philip S. Smith and W. A. Tucker. 1917. Special agents ser. 129. Bur. of foreign and domestic commerce, Wash. Sup't of doc. 15c.

"A study of the resources and commercial importance of our new possessions, with special attention to the market for boots and shoes, electrical goods and textiles."

The Virgin islands, by E. M. Newman. 1918. Crowell publishing co. Springfield, O. 20c.

VIRGINIA

The beautiful caverns of Luray. ©1906. Luray caverns corporation, Luray.

Historic Yorktown, Williamsburg and Jamestown. n. d. Chesapeake S. S. co. Baltimore, Md.

Mountain and seashore resorts. n. d. Norfolk and western R. R. co. Roanoke. Also other publications.

The Petersburg guide book. 1921. Chamber of commerce, Petersburg.

Richmond, the capital of Virginia. n.d. Chamber of commerce, Richmond. Also other publications.

Virginia today. n.d. Dep't of agric. and immigration, Richmond. Also publishes a Handbook of Virginia. 1923.

WALES

The call of north Wales. n.d. Apply to John Fairman, Lond. Midland and Scottish R. R. 200 Fifth ave. N. Y.

Guide books. Ed. J. Barrow and co. ltd, Lansdown, Cheltenham, England.

Guide books for Welsh towns, North Wales, etc. Send for catalog.

North Wales, the British Tyrol. (latest ed.) Great western R. R. of England, 315 Fifth ave. N. Y.

WASHINGTON (STATE)

Aberdeen, Gray's harbor county, Washington, U. S. A. n.d. Chamber of commerce, Aberdeen.

Beautiful Puget sound. folder. n.d. Puget Sound navigation co. Coleman dock, Seattle. Also other publications.

Contains maps of Puget Sound.

The charmed land of the American continent. n.d. Chamber of commerce, Seattle. Also publishes Guide to Seattle and other publications.

Longview, Washington. n.d. Longview co. Longview.

Olympia. n.d. Chamber of commerce, Olympia. Also other publications.

- Port and city of Tacoma. 1923. Chamber of commerce, Tacoma.
 Road and recreation map of Washington. 1922. Forest service, Wash.
 Map with descriptive material on back.
 Washington. n.d. Chic. Milwaukee and St Paul R. R. co. Chic.
 Washington. n.d. Great northern R. R. St Paul, Minn.
 Washington-Northern Idaho. n.d. Northern Pacific R. R. St Paul,
 Minn.
 Yakima valley progress. monthly. Commercial club, Yakima.
 Yearbook. (latest) Port of Seattle commission, Seattle.

Bibliography

- Pacific states; list of publications for sale. 1922. Sup't of doc. Wash.
See also Mount Rainier national park and Lumbering in list of Industries and commercial products.

WEST INDIES

- West Indies as an export field, by Garrard Harris. 1917. Special agents ser. 141. Bur. of foreign and domestic commerce, Wash.
 Sup't of doc. Wash. 50c.

"Discusses in some detail the physical features of the countries and the distribution of population, their means of communication, agriculture, stock raising, forest resources, manufacturing industries, government and education, banks and banking, foreign commerce and such other factors as have a direct bearing on business activity."

Takes up Cuba, Jamaica, Haiti, Dominican Republic, Porto Rico, Bahama Islands, St Kitts and dependencies, Virgin Islands, Guadeloupe, Martinique, Windward Islands, Barbados, Trinidad, Dutch West Indies.

WEST INDIES, DANISH

See Virgin Islands.

WEST INDIES, DUTCH

- Venezuela, a commercial and industrial handbook, with a chapter on the Dutch West Indies, by P. L. Bell. 1922. Special agents ser. 212. Bur. of foreign and domestic commerce, Wash. Sup't of doc. Wash. \$1.00.

WIND CAVE NATIONAL PARK

- Rules and regulations, Wind Cave national park. annual. Nat'l park service, Wash.
 Contains bibliography.

WISCONSIN

- A bright spot, Milwaukee, n.d. First Wis. nat'l bank, Milwaukee.
 Also other publications.
 Farm making in upper Wisconsin. 1918. Bull. 290. State dep't of agric. Madison.

- La Crosse, Wisconsin. n.d. Chamber of commerce, La Crosse.
 Landology de luxe; a text book of the land situation. ©1921.
 Skidmore-Riehle land co. Marinette. Also other publications.
 Upper Wisconsin. n.d. Chic. Milwaukee and St Paul R. R. co.
 Also publishes Northern Wisconsin.

THE WORLD

- Around the world. n.d. Cunard S. S. co. Ltd, 25 Broadway, N. Y.
 The Bureau of foreign and domestic commerce, Wash. publishes
 Trade and economic reviews and Trade information bulletins,
 both sent free as long as the supply lasts. Ask the Bureau
 for them by name of country.
 Children of all nations drawing book. n.d. Amer. crayon co. San-
 dusky, O. 10c.
 Great Britain. Dep't of overseas trade publishes reports on the com-
 mercial, financial, industrial and economic conditions in many
 of the countries of the world. They are published by His Ma-
 jesty's stationery office, Imperial house, Kingsway, Lond. W. C. 2.
 Great Britain. The Historical section of the Foreign office has pre-
 pared a series of peace handbooks containing sections on geog-
 raphy, economics and history. Maps in connection with this
 series are available. Both are obtainable through His Majesty's
 stationery office, Imperial house, Kingsway, Lond. W. C. 2.
 Great Britain. Overseas settlement office publishes general informa-
 tion on many different countries. They are published by His
 Majesty's stationery office, Imperial house, Kingsway, Lond.
 W. C. 2
 International map of the world, U. S. section, Bost. including R. I.
 and portions of N. Y. Conn. Mass. N. H. Me. and N. S. Sheet
 north K-19. Geol. sur. Wash. 40c.
 Foreign sheets for sale by Edward Stanford, ltd, 12-14 Long
 Acre, W. C. 2. Lond.
 Map of the world, showing shortest sailing distances between Cana-
 dian and foreign ports, mecaton projection. 1922. Natural re-
 sources intelligence service, Ottawa, Can. Furnished only to
 teachers.
 The second American express cruise 'round the world, 1923-24.
 1923. Amer. express co. Travel dep't, 65 Broadway, N. Y.
 Has some good pictures.
 The world re-mapped; a summary of the geographical results of
 the peace settlement after the world war. ©1922. Denoyer-
 Geppert co. 5235 Ravenswood ave. Chic. 20c.

WYOMING

- Cheyenne. n.d. Chamber of commerce, Cheyenne.
 Laramie and Albany county. n.d. Council of industry, Laramie.

- Teton mountain route to Yellowstone park. n.d. Northwestern line, 226 W. Jackson st. Chic.
- Wonderful Wyoming. n.d. Board of immigration, Cheyenne. Also publishes Wyoming, the state of opportunity. n.d.
- See also* Yellowstone national park.

YELLOWSTONE NATIONAL PARK

- The Colorado way to Yellowstone. c1923. Rock Island lines, Chic.
- Fossil forests of the Yellowstone national park, by F. H. Knowlton. 1914. Interior dep't, Wash. Sup't of doc. Wash. 10c.
- Geological history of the Yellowstone national park, by Arnold Hague. 1912. Interior dep't, Wash. Sup't of doc. Wash. 10c.
- Panoramic view of Yellowstone national park. Sup't of doc. Wash. 25c.
18 × 21 inches; scale 3 miles to the inch.
- Rules and regulations, Yellowstone national park, Wyoming. annual. Nat'l park service, Wash.
Contains bibliography.
- Topographic map of Yellowstone national park. Geol. sur. Wash. 25c.
28½ × 32 inches; scale 2 miles to the inch.
- Yellowstone national park. n.d. Northern Pacific R. R. St Paul, Minn.
- Yellowstone national park. c1923. Union Pacific system, St Louis, Mo.
- See also* Geysers in Miscellaneous list, and Haynes studios and Putnam studios in list of Lantern slides, etc. and Haynes studio in list of Motion pictures.

YOSEMITE NATIONAL PARK

- Forests of Yosemite, Sequoia and General Grant national park, by C. L. Hill. 1916. Interior dep't, Wash. Sup't of doc. Wash. 10c.
- Map of Yosemite national park. Geol. sur. Wash. 25c. flat; 40c. folded and bound between covers. 28½ × 27 inches; scale 2 miles to the inch. Also distributes a map of Yosemite valley; 35 × 15½ inches; scale 2,000 feet to the inch. 10c.
- Panoramic view of Yosemite national park, prepared by J. H. Renshaw. 1914. Sup't of doc. Wash. 25c.
18½ × 18 inches; scale 3 miles to the inch.
- Roadmap to Yosemite. folder. n.d. Yosemite nat'l park co. Yosemite nat'l park, Cal. Also other publications.
- Rules and regulations, Yosemite national park. annual. Nat'l park service, Wash.
Contains bibliography.

Sketch of Yosemite national park, by F. E. Matthes. Interior dep't, Wash. Sup't of doc. Wash. 10c.

Story of Yosemite valley. n.d. Nat'l park service, Wash. Sup't of doc. Wash. 5c.

First of a series of educational papers on the making of American scenery.

Yosemite, all-year-round national park. 1923. Yosemite transportation system, 511 S. Spring st. Los Angeles, Cal. Also other publications.

See also Big Trees in Miscellaneous list.

INDUSTRIES AND COMMERCIAL PRODUCTS

Before sending for any of these pamphlets please read section of preface How to obtain on pages 5-6.

Do not have pupils write for the pamphlets listed here.

GENERAL

The United States tariff commission, Washington, D. C. publishes a trade information series and other series containing valuable material. Send for list.

Bibliography

Commerce and manufactures, list of publications relating to above subjects, for sale. 1923. Sup't of doc. Wash.

ALUMINUM

From mine to market. n.d. Aluminum cooking utensil co. New Kensington, Penn. Also other publications.

ASBESTOS

Bell asbestos mines. n. d. Keasbey and Mattison co. Ambler, Penn. Free to teachers. Use letterhead of school when applying.

ASPHALT

The wonderland of Trinidad. n.d. Barber asphalt co. Land title bldg, Phil. Also other publications.

BANANAS

Banana growing in Florida. 1922. Dep't of agric. Tallahassee, Fla. The story of the banana, comp. and ed. by P. K. Reynolds. 1921. Pan Amer. union, Wash. 5c.

BEEF

Our beef supply, by E. W. Sheets and others. 1922. Yearbook separate 874. Dep't of agric. Wash. Sup't of doc. Wash. 20c. From 1921 Yearbook of Dep't of agric.

BINDER TWINE

Binder twine industry. ©1912. Internat'l harvester co. inc. Agric. ext. dep't, 606 S. Michigan ave. Chic. 25c.

The production of binder-twine fiber in the Philippine Islands, by H. T. Edwards. 1920. Dep't bull. 930, Dep't of agric. Wash. Sup't of doc. Wash 5c.

Sisal and henequen as binder-twine fibers, by H. T. Edwards. 1919.
Yearbook separate 790. Dep't of agric. Wash. Sup't of doc.
Wash. 5c.

From 1918 Yearbook of Dep't of agric.

BOOKS

The story of the making of a book. ©1914. Charles Scribner's sons,
N. Y.

BREAD

Bread and its ingredients. ©1923. The Fleischmann co. 701 Wash-
ington st. N. Y.

Shows grain of wheat, highly magnified, products of milling pro-
cess, diagram of yeast manufacture.

Story of bread. ©1911. Internat'l harvester co. inc. Agric. ext.
dep't, 606 S. Michigan ave. Chic. 5c.

BY-PRODUCTS

See Waste products.

CAMERAS

The home of the kodak. 1921. Eastman kodak co. Rochester, N. Y.
Process of film making, lens making, how kodaks are made, etc.

CANDY

The story of Page and Shaw. 1922. Page and Shaw, 18-20 Ames st.
Cambridge Bost. (39)

CANNING INDUSTRY

Canning and how to use canned foods, by A. W. Bitting and K. G.
Bitting. ed. 3. ©1916. Nat'l canners ass'n, 1739 H st. N. W.
Wash.

Methods followed in the commercial canning of foods, by A. W.
Bitting. 1915. Dep't bull. 196. Dep't of agric. Wash. Sup't
of doc. Wash. 10c.

Describes equipment and methods of modern factory, extent of
canning industry in United States, etc.

The story of the "57." n.d. H. J. Heinz co. Pittsburg, Penn.

CARPETS

Inside facts about our Whittall rugs and carpets. n.d. M. J. Whittall
associates, Worcester, Mass.

The making of rugs and carpets.

The rug and carpet industry of Philadelphia, by Philip A. Hall. ©1921.
Chamber of commerce, Phil.

Presented by Hardwick and Magee co.

CARS

The car-building industry in Philadelphia. ©1923. Chamber of
commerce, Phil.

Presented by the J. G. Brill co.

CATTLE

Cattle-raising industry of the southwest. 1921. Security trust and savings bank, Los Angeles, Cal.

CEMENT AND CONCRETE

Alpha cement, how to use it. ©1923. Alpha Portland cement co. Easton, Penn. Also other publications.

Information about concrete. Portland cement ass'n, 111 W. Washington st. Chic.

A series of bulletins issued for the information of the public. Also publishes Facts everyone should know about cement, in a series of bulletins.

The manufacture of Portland cement, by Edward D. Boyer. n.d. Atlas Portland cement co. 134 S. La Salle st. Chic.

CEREALS

See Grain.

CHOCOLATE

The story of Hershey the chocolate and cocoa town. n. d. Hershey chocolate co. Hershey, Penn.

Describes the manufacture of chocolate and cocoa.

CITRUS FRUITS

The citrus industry in the lower Rio Grande valley of Texas. 1923. Bull. 75. Dep't of agric. Austin, Texas.

Concentration in the marketing of citrus fruits, by Carson S. Duncan. 1918. Lessons in community and nat'l life. Ser. B. Bur. of educ. Wash. Sup't of doc. Wash. 15c.

The world's production and commerce in citrus fruits and their by-products. 1914. California citrus league, Consolidated reality bldg, Los Angeles, Cal. Also other publications.

See also Lemons, Oranges.

COAL

Coal fields of Illinois. n.d. Peabody coal co. 322 S. Michigan ave. Chic.

Coal products tree showing the products obtained from coal. ©1918. The Koppers co. Pittsburg, Pa.

Coal resources of the Americas. 1919. Pan Amer. union, Wash. 5c.

Products derived from coal. diagram. ©1919. The Barrett co. 705 Laclede gas bldg, St Louis, Mo. or, 17 Battery place, N. Y.

The story of coal, by C. F. Talman. 1918. Crowell publishing co. Springfield, O. 20c.

COAL MINING

Coal mining in Illinois, by S. O. Andros. 1915. Bull. 13 of Ill. mining investigations. Address Engineering exp. sta. Univ. of Ill. Urbana, Ill. Also other publications.

The scientific selection of explosives for coal mining. 1921. Hercules powder co. Wilmington, Del.

Sullivan iron clad coal cutters for room and pillar and longwall mining. 1922. Bull. 79-C. Sullivan machinery co. Peoples gas bldg, Chic. Also other publications.

COCOA

Cocoa, nature's choicest gift. 1922. Claudia Quigley Murphy, 41 Union square, W. N. Y.

The story of Hershey the chocolate and cocoa town. n.d. Hershey chocolate co. Hershey, Pa.

Describes the manufacture of chocolate and cocoa.

COCONUTS

Story of the coconut. 1923. Franklin Baker co. Phil. Also other publications.

COFFEE

Coffee and coffee making. n.d. Joint coffee trade publicity com. 64 Water st. N. Y.

Gives history and origin, how coffee grows, etc.

Cultivation and preparation of coffee and tea. 1922. Hills bros. 175 Fremont st. San Francisco, Cal.

The romance of coffee. n.d. Chase and Sanborn, 68-78 E. Lake st. Chic.

CONCRETE

See Cement and concrete.

CORK

Cork, being the story of the origin of cork, the processes employed in its manufacture and its varied uses in the world today. 1909. Armstrong cork co. Pittsburg, Penn. Free to instructors.

CORN

The corn crop, by C. E. Leighty and others. 1922. Yearbook separate 872. Dep't of agric. Wash. Sup't of doc. Wash. 10c. From 1921 Yearbook of Dep't of agric.

Lessons on corn for rural elementary schools, by C. H. Lane. 1918. Dep't bull. 653. Dep't of agric. Wash. Sup't of doc. Wash. 5c.

COTTON

The cotton situation, by A. M. Agelasto and others. 1922. Yearbook separate 877. Dep't of agric. Wash. Sup't of doc. Wash. 15c. From 1921 Yearbook of Dep't of agric.

Handling and marketing of the Arizona-Egyptian cotton of the Salt river valley, by J. G. Martin. 1915. Dep't bull. 311. Dep't of agric. Wash. Sup't of doc. Wash. 5c.

Also publishes Economic conditions in the sea island cotton industry, by W. R. Meadows. Dep't bull. 146. Dep't of agric. Wash. Sup't of doc. Wash. 5c.

Improved methods of handling and marketing cotton, by Charles J. Brand. 1912. Yearbook separate 605. Dep't of agric. Wash. Sup't of doc. 5c.

From Yearbook of Dep't of agric. 1912.

Lessons on cotton for the rural common schools, by C. H. Lane. 1915. Dep't bull. 294. Dep't of agric. Wash. Sup't of doc. Wash. 5c.

See also Vulcanized fiber.

COTTON GIN

Cotton ginning information for farmers, by Fred Taylor and others. 1916. Farmer's bull. 764. Dep't of agric. Wash. Sup't of doc. Wash. 5c.

COTTON WAREHOUSES

Cotton warehouses; storage facilities now available in the south, by R. L. Nixon. 1915. Dep't bull. 216. Dep't of agric. Wash. Sup't of doc. Wash. 5c.

CRETONNES

Hoy colonial and Canterbury cretonnes are made. Marshall Field and co. Chic. Sent only to teachers.

DATES

The Saily date of Egypt, by S. C. Mason. 1923. Dep't bull. 1125. Dep't of agric. Wash. Sup't of doc. Wash. 15c.

DEPARTMENT STORES

Department stores of Philadelphia, by Robert H. Durbin. 1917. Chamber of commerce, Phil.

Presented by Strawbridge and Clothier.

DRILLING

Diamond drilling for oil. 1922. Bull. 69-0. Sullivan machinery co. Peoples gas bldg, Chic.

DYES AND DYEING

Making dyes from coal tar, by W. R. Macklind. 1918. Lessons in community and nat'l life. Ser. B. Bur. of educ. Wash. Sup't of doc. Wash. 15c.

ELECTRIC RAILWAYS

The electric railways; a brief history and account of the method of operation of the electric transportation systems. n.d. Bull. 3. Ill. com. on public utility information, 125 S. Clark st. Chic.

Free to Illinois libraries and schools.

ELECTRICITY

Electricity, its process of manufacture and distribution pictured in simple language. n.d. Bull. 2. Ill. com. on public utility information, 125 S. Clark st. Chic.

Free to all Illinois libraries and schools.

FIGS

Figs, county of Fresno. n.d. Fresno county chamber of commerce, Fresno Cal.

FISH

Shipping fish three thousand miles to market, by E. D. Clark. 1916. Yearbook separate 665. Dep't of agric. Wash. Sup't of doc. Wash. 5c.

From 1915 Yearbook of the Dep't of agric.

FISHERIES

Alaska fisheries and fur seal industries in 1921. 1922. Bur. of fisheries, Wash. Sup't of doc. Wash. 20c.

Fishery industries of the United States, 1921. 1922. Bur. of fisheries, Sup't of doc. Wash. 15c.

See also Salmon.

FLAVORING EXTRACTS

Story of extracts. ©1919. McCormick and co. Baltimore, Md.

Vanilla and other flavoring extracts. n.d. Joseph Burnett co. 36 India st. Bost.

FLAX

Fiber flax, by Frank C. Miles. 1915. Rev. 1922. Farmers' bull. 669. Dep't of agric. Wash. Sup't of doc. Wash. 5c.

Linofelt. n. d. Union fibre co. inc. Winona, Minn.

Describes the process of preparing flax straw for making linofelt.

FLOUR

From wheat to flour and other products. n. d. Northwestern consolidated milling co. Minneapolis, Minn.

Chart showing 24 samples of wheat in process of manufacture with description of different processes. Free to teachers.

Making the finest flour in the world. ©1912. Bay state milling co. Winona, Minn.

The story of Occident. ©1921. Russell-Miller milling co. Minneapolis, Minn.

Illustrated booklet explaining the processes employed in the manufacture of wheat flour. Free to teachers.

Wheat and flour primer. n.d. Washburn-Crosby co. Minneapolis, Minn.

To be the property of the school and not of the individual to whom sent.

See also Wheat.

FUR FARMING

- The domesticated silver fox, by Ned Dearborn. 1917. Farmers' bull. 795. Dep't of agric. Wash. Sup't of doc. Wash. 5c.
- Alaska fisheries and fur-seal industries in 1921. 1922. Bur. of fisheries, Wash. Sup't of doc. Wash. 20c.
- Silver-fox farming, by Frank J. Ashbrook. 1923. Dep't bull. 1151. Dep't of agric. Wash. Sup't of doc. Wash. 15c.

GAS

- Manufactured gas and natural gas situation in Penn. 1922. State geologist, Harrisburg, Penn. Also other publications.

GAS MANUFACTURE AND WORKS

- History and development of the gas industry. n.d. Ill. com. on public utility information, 125 S. Clark st. Chic.
- Tells how gas is made, its by-products, etc. Free to Illinois libraries and schools.

GELATIN

- Jell-o, a story of jell-o and how it is made. ©1921. Genesee pure food co. LeRoy, N. Y. Also other publications.
- Free to teachers of geography.

GOLD MINING

- Gold number, Mentor Jan. 1922. Crowell publishing co. Springfield, O. 35c.
- Mining and dredging.
- History and development of gold dredging in Montana, by Hennen Jennings. 1916. Bull. 121. Mines bur. Wash. Sup't of doc. Wash. 30c. Also publishes Gold dredging in the United States. Bull. 127. Mines bur. Wash. Sup't of doc. Wash. 50c.

GRAIN

- My visit to Kellogg's. ©1922. Kellogg co. Battle Creek, Mich. Also other publications.
- Production and handling of grain in Argentina, by Laurel Duval. 1916. Yearbook separate 677. Dep't of agric. Wash. Sup't of doc. Wash. 10c.
- Contains 12 p. of plates and maps. From Yearbook of Dep't of agric. 1915.
- The wonders of Niagra. n.d. Shredded wheat co. Niagara Falls, N. Y. 10c.
- Describes manufacture of shredded wheat.

GRANITE INDUSTRY

- Barre granite. n.d. Granite manufacturers ass'n, inc. Barre, Vt.

HARVEST AND HARVESTING

Harvest scenes of the world. n.d. Internat'l harvester co. inc. Agric. ext. dep't, 606 S. Michigan ave. Chic. 50c.
More than 350 illustrations.

HARVESTING MACHINERY

The Avery header-thresher. n.d. Avery co. Peoria, Ill. Also other publications.

HATS

Hat manufacture in Philadelphia. °1922. Chamber of commerce, Phil.

Presented by John B. Stetson co.

INK

The story your ink bottle tells. n. d. Carter's ink co. Cambridge 41, Bost.

IRON AND STEEL

Iron and steel, by J. Russell Smith. 1918. Lessons in community and nat'l life. Ser. C. Bur. of educ. Wash. Sup't of doc. Wash. 15c.

"National" modern welded pipe, from iron ore to finished product. °1921. Nat'l tube co. Frick bldg, Pittsburg, Pa. Also other publications.

The story of steel. °1917. Bull. 6. Bur. of safety, sanitation and welfare. U. S. steel corporation, 71 Broadway, N. Y.

KAPOK

The kapok industry, by M. M. Saleeby. 1913. Bull. 26 Bur. of agric. Manila, P. I. 50c.

LACE

Romance of lace. Marshall Field and co. Chic.

Concise history of lace manufacture. Sent only to teachers.

LEMONS

The California lemon industry, by G. H. Powell and F. O. Wallschlaeger. 1913. Bull. 9. California citrus league, Consolidated realty bldg, Los Angeles, Cal.

California lemons, growing and packing. n.d. California fruit growers exchange, Los Angeles, Cal.

LIMESTONE

Indiana limestone. 1922. Indiana limestone quarrymen's ass'n, Bedford, Ind.

LINEN

Barbour products. °1923. Linen thread co. 96 and 98 Franklin st. N. Y.

Sent free to schools writing under their own letter head.

Development of American linen industry, by W. A. Graham Clark. 1916, Special agents ser. 122. Foreign and domestic commerce bur. Sup't of doc. Wash. 5c.

Rug making from flax. n.d. Klearflax linen looms, inc. Duluth, Minn. Also other publications.

LIVE STOCK

The live-stock industry in South America, by L. B. Burk and E. Z. Russell. 1922. Dep't circ. 228. Dep't of agric. Wash. Sup't of doc. Wash. 5c.

LUMBER INDUSTRY

From tree to trade. 1920. Long-Bell lumber co. Kansas City, Mo.

Lumber industry of Philippines, by John R. Arnold. 1914. Special agents ser. 88. Foreign and domestic commerce bur. Wash. Sup't of doc. Wash. 5c.

Regional development of pulpwood resources of the Tongass national forest, Alaska, by Clinton G. Smith. 1921. Dep't of agric. Bull. 950. Sup't of doc. Wash. 10c.

Southern pine, what it is, what it is used for. 1923. Southern pine ass'n, New Orleans, La.

LUMBERING

Logging in the Douglas fir region, by William H. Gibbons. 1918. Dep't bull. 711. Dep't of agric. Wash. Sup't of doc. Wash. 30c.

Lumbering in the sugar and yellow pine region of California, by Swift Berry. 1917. Dep't bull. 440. Dep't of agric. Wash. Sup't of doc. Wash. 25c.

"Describes operations, sawmills, and gives cost."

MACARONI

Beech-nut macaroni products. n.d. Beech-nut packing co. Canajoharie, N. Y. Also publishes Beech-nut macaroni and spaghetti, 1921. Bull. 20.

MAPLE SUGAR

Maple-sap sirup, its manufacture, composition, and effect of environment thereon. 1910. Bull. 134. Bur. of chemistry, Wash. Sup't of doc. Wash. 25c.

Marketing Vermont maple sap products, by A. W. McKay. 1922. Agric. exp. sta. Burlington, Vt.
Gives a little about making maple sugar.

The production of maple sirup and sugar, by A. H. Bryan and W. F. Hubbard. 1912. Farmers' bull. 516. Dep't of agric. Wash. Sup't of doc. Wash. 5c.

MARBLE INDUSTRY

Keeping up with marble. n.d. Vermont marble co. Proctor, Vt.
Also other publications.

MARKET GARDENING

Truck farming in Philadelphia county, by Albert W. Dudley. 1917.
Chamber of commerce, Phil.
Presented by Philadelphia chamber of commerce.

MEAT

Meat production in Australia and New Zealand, by E. C. Joss. 1914.
Yearbook separate 650. Dep't of agric. Wash. Sup't of doc.
Wash. 5c.
From the Yearbook of the Dep't of agric. 1914.
See also Packing industry.

MILK, POWDERED

Production of powdered milk. n.d. Merrell-Soule co. Syracuse, N.Y.
Wall chart, visualizing the process of powdering milk.

MINING

Bulletins. Goodman mfg co. Halsted and 48th place, Chic.
Illustrated descriptions of electrical mining machinery. Also pub-
lishes the periodical Electrical mining.
Mining in the Federated Malay States by D. C. Alexander, jr. 1912.
Special agents ser. 59. Bur. of foreign and domestic commerce,
Wash.
Sup't of doc. Wash. 5c.
See also Coal mining, Gold mining.

NITRATES

Views of the Chilean nitrate works. n. d. Chilean nitrate com. 25
Madison ave. N. Y.

OIL

See Petroleum.

OILS AND FATS

Oils, fats and waxes in Latin America, by Otto Wilson. 1921.
Pan-Amer. union. Wash. 5c.

OLEOMARGARINE

Bread and ----- n. d. Swift and co. Union stock yards, Chic.
Description of manufacture, illustrated.

OLIVES

A chemical study of the ripening and pickling of California olives,
by R. W. Hiltz and R. S. Hollingshead. 1920. Dep't bull. 803.
Dep't of agric. Wash. Sup't of doc. Wash. 10c.

The first part of this bulletin gives information in regard to the picking and pickling of olives.

ORANGES

Growing and packing California oranges. n.d. California fruit growers exchange, Los Angeles, Cal. Also other publications.

OYSTERS

Oyster and oyster industry of the Atlantic and gulf coasts. 1919. Bur. of fisheries, Wash. Sup't of doc. Wash. 20c.
Appendix 8, Fish rep't, 1919. L

PACKING INDUSTRY

Concentration of production in the meat packing industry, by Leverett S. Lyon. 1918. Lessons in community and nat'l life. Ser. B. Bur. of educ. Wash. Sup't of doc. Wash. 15c.

The live stock industry in Nebraska. n.d. Bur. of publicity, Chamber of commerce, Omaha, Neb.

Meat and by-products charts. c1921. Wilson and co. 4100 S. Ashland ave. Chic. 2c.

One each for cattle, sheep and swine.

The meat packing industry in America, illustrated. c1923. Swift and co. Union stock yards, Chic.

Seeing Armour's. n. d. Dep't of public relations. Armour and co. Union stock yards, Chic. Also publishes a broadside. Packing house by-products.

Yearbook. (latest ed.) Swift and co. Union stock yards, Chic.

PAPER

The art of paper making. n. d. Hampshire paper co. South Hadley Falls, Mass. Also book of samples.

Crop plants for making paper, by C. J. Brand. Reprint. 1916. Circ. 82. Bur. of plant industry, Wash. Sup't of doc. Wash. 5c.

Handbook of the Canadian pulp and paper industry. 1920. Canadian pulp and paper ass'n, Montreal, Can.

The manufacture of paper. n.d. Hammermill paper co. Erie, Penn.

Paper in the making, non-technical. n.d. Dill and Collins, 140 N. Sixth st. Phil.

PEANUT BUTTER

The manufacture and use of peanut butter, by H. C. Thompson. 1920. Dep't circ. 128. Dep't of agric. Wash. Sup't of doc. Wash. 5c.

Peanuts and peanut butter. 1923. Bull. 3. Beech-nut packing co. Canajoharie, N. Y.

PECAN

The pecan in Texas. 1922. Bull. 73. Dep't of agric. Austin, Texas.

PENCILS

The autobiography of the mongol pencil. 1921. Eberhard Faber, 37 Greenpoint ave. Brooklyn, N. Y.

PENS

The making of a pen. n.d. Esterbrook steel pen mfg co. Camden, N. J. Also other publications.

PETROLEUM

Glances at petroleum development in Latin America. 1918. Pan Amer. union, Wash. 5c.

Petroleum and its uses, by Edith P. Parker. 1918. Lessons in community and nat'l life. Ser. C. Bur. of educ. Wash. Sup't of doc. Wash. 15c.

The Standard oil co. 26 Broadway, N. Y. is preparing a little book on petroleum.

Story of oil, by C. F. Talman. 1919. Crowell publishing co. Springfield, O. 20c.

PLATE GLASS

The making of plate glass. n.d. Pittsburgh plate glass co. Frick bldg, Pittsburgh, Pa.

PLATINUM

Platinum, with especial reference to Latin America, by George F. Kunz. 1917. Pan Amer. union, Wash. 5c.

POWDERED MILK

See Milk, Powdered.

QUARRYING

Barre granite. n.d. Granite manufacturers ass'n, inc. Barre, Vt.

Sullivan stone channelers, catalog 68. 1913. Sullivan machinery co. Peoples gas bldg, Chic.

Yesterday, today and forever, a story of north Georgia. n. d. Georgia marble co. Tate, Ga.

QUEBRACHO TREES

Quebracho forests of South America, by George A. Kerr. 1922. Pan Amer. union, Wash. 5c.

RAISIN INDUSTRY

Raisin industry, by G. C. Husman. 1916. Dep't bull. 349. Dep't of agric. Wash. Sup't of doc. Wash. 10c.

RAISINS

- Lesson on raisins. n.d. Sun-maid raisin growers, Fresno, Cal. Mimeographed. An illustrated booklet on the raisin industry in process of preparation.
- Raisins in Fresno county. n. d. Fresno county chamber of commerce, Fresno, Cal.

REINDEER

- Reindeer in Alaska, by Seymour Hadwen and L. J. Palmer. 1922. Dep't bull. 1089. Dep't of agric. Wash. Sup't of doc. Wash. 25c

RICE

- The by-products of rice milling, by J. B. Reed and F. W. Liepsner. 1917. Dep't bull. 570. Dep't of agric. Wash. Sup't of doc. Wash. 5c.
- Describes the milling process and contains graphic diagram of a typical rice mill.
- Irrigation of rice on the coastal prairies of Texas, by C. G. Haskell. 1915. Bull. 43. Dep't of agric. Austin, Texas.
- Irrigation practice in rice growing, by C. G. Haskell. 1915. Farmers' bull. 673. Dep't of agric. Wash. Sup't of doc. Wash. 5c.
- Prairie rice culture in the United States, by Charles E. Chambliss. 1920. Farmers' bull. 1092. Dep't of agric. Wash. Sup't of doc. Wash. 5c.
- Rice growing in California, by Charles E. Chambliss. 1920. Farmers' bull. 1141. Dep't of agric. Wash. Sup't of doc. Wash. 5c.
- Rice in the Americas. 1917. Pan Amer. union, Wash. 5c.
- Rice in the Philippines. Bull. 37. Bur. of agric. Manila, P. I. 70c.
- Souvenir, nat'l rice day carnival. 1922. Ass'n of commerce, Lake Charles La.

RUBBER

- The romance of rubber. n. d. Chamber of commerce, Phil. Presented by B. F. Goodrich rubber co Akron, O.
- The romance of rubber. 1922. U. S. rubber co. 1790 Broadway N. Y.
- Rubber, its history and development. 1922. Firestone tire and rubber co. Akron, O.
- Story of rubber, by Peter P. Pinto. 1920. Crowell publishing co. Springfield, O. 20c.
- The story of rubber from discovery to present day. n.d. Hood rubber products co. Watertown, Mass.
- The story of rubber; what it is and what it does. 1916. Boston woven hose and rubber co. Box 5077, Bost.

RUGS

- Hartford-Saxony. 1922. Bigelow-Hartford carpet co. 385 Madison ave. N. Y. Also other publications.

Inside facts about our Whittall rugs and carpets. n. d. M. J. Whittall associates, Worcester, Mass.

The making of rugs and carpets.

Manufacturing of Home-crest floor covering. Marshall Field and co. Chic.

Sent only to teachers.

The rug and carpet industry of Philadelphia, by Philip A. Hall. ©1921. Chamber of commerce, Phil.

Presented by Hardwick and Magee co.

SALMON

Pacific salmon fisheries, by John N. Cobb. 1921. Bur. of fisheries, Wash. Sup't of doc. Wash. 35c.

Appendix 1, Fish rep't, 1921.

SALT

How we make Royal crystal table salt. n.d. Inland crystal salt co. Salt Lake city, Utah.

A little visit to the home of Worcester salt. n. d. Worcester salt co. 71 Murray st. N. Y.

Illustrated description of salt manufacture.

A trip through the plant of Diamond crystal salt. folder. n.d. Diamond crystal salt co. St Clair, Mich.

Showing modern process of making salt.

SARDINES

The Maine sardine industry, by F. C. Weber. 1921. Bull. 908. Dep't of agric. Wash. Sup't of doc. Wash. 50c.

SAWMILLS

Small sawmills, their equipment, construction and operation, by Daniel F. Seereley. 1918. Dep't bull. 718. Dep't of agric. Wash. Sup't of doc. Wash. 10c.

SAWS

How a Disston hand saw is made. ©1922. Henry Disston and sons, inc. Phil.

Also publishes The saw in history. ©1922 and other publications.

SHOES

Goodyear welt shoes, how they are made. ©1922. United shoe machinery corporation, 205 Lincoln st. Bost. Also other publications.

How Walk-over shoes are made. n. d. Geo. E. Keith co. Campello, Brocton, Mass.

Mimeographed.

SILK

The handbook of spun silk. n. d. Champlain silk mills, 25 Madison ave. N. Y.

Silk from worm to wearer. n. d. Belding bros. and co. 201 W. Monroe st. Chic. Also publishes Silk from butterfly to gown. n. d.

Silk, its origin, culture and manufacture. n. d. Corticelli silk co. Florence, Mass. pap. 10c. cloth 50c. Abridged edition, Story of silk 2c.

The story of silk and Cheney silks, by H. H. Manchester. ©1916. Cheney bros. Fourth ave. and 18th st. N. Y. Also other publications.

Illustrated booklet of 63 pages. A chart showing different stages of the silkworm.

SILKWORMS

The culture of the mulberry silk worm, by T. A. Keleher. ©1917. T. A. Keleher, P. O. box 141 Penn. ave. station, Wash. 25c.

SILVERWARE

How spoons are made. n. d. Rogers, Lunt and Bowlen co. Greenfield, Mass.

SLATE

The story of slate, by Charles H. Davis. n. d. Davis slate and mfg co. 618 E. 40th st. Chic.

SOAP

A trip through the Fels-naphtha factory. n. d. Fels and co. 73rd st. and Woodlawn ave. Phil.

Mimeographed. Free to teachers of home economics.

SPICES

Spices, a text-book for teachers. ©1915. McCormick and co. Baltimore, Md. Also publishes The story of spices. 1921.

The story of spices, a text-book for schools. To be ready soon. D. and L. Slade co. Bost.

STEEL

See Iron and Steel.

SUGAR

Cane production and sugar manufacture in the Philippine Islands, by Cleve W. Hines. 1919. Bull. 33. Bur. of agric. Manila, P. I. 70c.

The story of sugar. n. d. Amer. sugar refining co. 117 Wall st. N. Y.

Sugar, by Ruth Reticker. 1918. Lessons in community and nat'l life. Ser. C. Bur. of educ. Wash. Sup't of doc. Wash. 15c.

See also Maple sugar.

SULPHUR

Some Andean sulphur deposits. 1918. Pan Amer. union, Wash. 5c.

TANNING

How leather is tanned. Pfister and Vogel leather co. Milwaukee, Wis.

TAPIOCA

The story of minute tapioca. n.d. Minute tapioca co. Orange, Mass.
Also furnishes a chart showing the manufacturing process of tapioca. Free to teachers.

TEA

China, by S. W. Harris. 1919. Irwin-Harrisons and Crosfield, inc. 90 Wall st. N. Y.

Describes process of manufacture of tea in the Keemun district of China.

Cultivation and preparation of coffee and tea. 1922. Hills bros. 175 Fremont st. San Francisco, Cal.

A few facts about tea. n.d. Ridgeways, inc. 60-62 Warren st. N. Y.
The picturesque and terraced gardens where tea grows. n. d. Chase and Sanborn, 68-78 E. Lake st. Chic.

The story of tea. 1917. McCormick and co. Baltimore, Md.

TELEPHONE

The telephone, its history and methods of operation. n. d. Bull 4. Ill. com. on public utility information, 125 S. Clark st. Chic.
Free to Illinois library and schools.

TIN

Bright tin plates. 1923. Amer. sheet and tin plate co. Frick bldg, Pittsburg, Pa. Contains articles on Tin plate manufacture. Also publishes Evolution of a tin can. 1920.

TOBACCO

Three centuries of tobacco, by George K. Holmes. 1920. Yearbook separate 805. Dep't of agric. Wash. Sup't of doc. Wash. 5c.
From 1919 Yearbook of Dep't of agric.

Tobacco culture, by W. W. Garner. 1914. Farmers' bull. 571 Dep't of agric. Wash. Sup't of doc. Wash. 5c. Also publishes Tobacco curing, by W. W. Garner. 1913. Farmers' bull. 523. 5c.

TURPENTINE

The naval stores industry, by A. W. Schorger and H. S. Betts. 1915. Dep't bull. 229. Dep't of agric. Wash. Sup't of doc. Wash. 15c.

Turpentine, its sources, properties, uses, transportation and marketing, by F. P. Veitch and V. E. Grotlisch. 1920. Dep't bull. 898. Dep't of agric. Wash. Sup't of doc. Wash. 15c.

VARNISH

Varnish gums, varnishes and varnishing. 1922. Berry bros. Detroit, Mich.

VULCANIZED FIBER

Vulcanized fiber, by Charles Almy, jr. 1915. Nat'l vulcanized fiber co. Wilmington, Del.
Made from cotton.

WASTE PRODUCTS

- By-product coke and gas plants. ©1921. The Koppers co. Pittsburg, Penn.
 Putting wood wastes to work, by Samuel T. Dana. 1921.
 Yearbook separate 856. Dep't of agric. Wash. Sup't of doc. Wash. 5c.
 From Yearbook of Dep't of agric. 1920.

WATCHES

- Waltham and the European made watch. ©1919. Waltham watch co. Waltham, Mass. Also other publications.

WHEAT

- Handling wheat from field to mill, by L. A. Fitz. 1910. Circ. 68. Plant industry bur. Wash. Sup't of doc. Wash. 5c.
 Wheat in Nebraska. 1923. Ext. circ. 120. College of agric. Lincoln, Neb.
 Wheat, nature's perfect food. n.d. Ralston purina co. St Louis, Mo. Chart showing different parts of a wheat kernel.
 Wheat production and marketing, by C. R. Ball. 1922. Yearbook separate 873. Dep't of agric. Sup't of doc. Wash. 10c.
 From 1921 Yearbook of Dep't of agric.
 Wheat production in Kansas. 1923. Ext. bull. 41. State agric. college, Manhattan, Kansas.
See also Flour.

WOOD PULP

- Regional development of pulp wood resources of the Tongass national forest, Alaska, by Clinton G. Smith. 1921. Dep't bull. 950. Dep't of agric. Wash. Sup't of doc. Wash. 10c.

WOOL

- Wool grades and grading. 1922. College of agric. Univ. of Nevada, Reno, Nevada.
 The woolgrower and the wool trade, by F. R. Marshall and L. L. Heller. 1915. Dep't bull. 206. Dep't of agric. Wash. Sup't of doc. Wash. 15c.
 Describes wool grading and sorting with illustrations.

WOOLEN AND WORSTED MANUFACTURE

- The clothing of the people. ©1922. Cleveland worsted mills co. Cleveland, O.
 From wool to cloth. ©1922. Amer. woolen co. Bost.
 Wool and wool manufacture. ©1920. First nat'l bank, Bost.
Consult also the list of Educational exhibits and the list of Motion pictures.

MISCELLANEOUS

Before sending for any of these pamphlets please read the section of preface entitled How to obtain on pages 5-6.

Do not have the pupils write for the pamphlets listed here.

AGRICULTURE

A graphic summary of American agriculture based largely on the census of 1920, by O. E. Baker. 1922. Yearbook separate 878. Dep't of agric. Wash. Sup't of doc. Wash. 20c.

Pt 1. Series of maps showing the agricultural regions of the U. S. and the topographic, climatic and soil conditions which determine these regions.

Pt 2. Shows the geographic distribution of 50 crops.

Pt 3. Series of 24 maps showing the geographic distribution of the several kinds of live stock.

Pt 4. The farm as a whole, variations in size, etc.

ATMOSPHERE

Stories of the atmosphere, by Roscoe Nunn. 1916. Yearbook separate 680. Dep't of agric. Wash. Sup't of doc. Wash. 5c.

From Yearbook of Dep't of agric. for 1915.

BIG TREES

Secret of the big trees, Yosemite, Sequoia, and General Grant national parks, by Ellsworth Huntington. 1913. Interior dep't, Wash. Sup't of doc. Wash. 5c.

BONNEVILLE, LAKE

Ancient lake Bonneville. n. d. Chamber of commerce, Ogden, Utah.

CALENDAR

Evolution of calendars and how to improve them, by M. B. Cotsworth. 1922. Pan Amer. union, Wash.

CENSUS

Story of the census, 1790-1916. 1916. Census bur. Wash.

Also publishes American census taking.

CITIES

What nature has done for a typical city, by J. Paul Goode. 1918. Lessons in community and nat'l life. Ser. A. Bur. of educ. Wash. Sup't of doc. Wash. 15c.

Also in same volume Concentration of population in great cities by Leverett S. Lyon.

CLIFF DWELLINGS

Haunts of primitive man. n. d. Santa Fe, Railway exchange, Chic.

CLIMATE

The climates of the world, by G. T. Trewartha. In preparation.
Wis. geographical press, 1635 Madison st. Madison, Wis. 25c.

CLOUDS

Description of cloud forms. 1921. Weather bur. Wash. Sup't of
doc. Wash. 5c.
1 sheet. 32 illustrations.

COMMERCE

Bibliography

Commerce and manufactures, list of publications relating to above
subjects for sale. 1923. Sup't of doc. Wash.

COMMERCIAL MUSEUM OF PHILADELPHIA

Educational work of the Commercial museum of Philadelphia, by
Charles R. Toothaker. 1921. Bull. 1920, no. 13. Bur. of educ.
Wash. Sup't of doc. Wash. 15c.
Contains some pictures of educational exhibits.

EARTHQUAKES

Earthquakes and volcanoes, by C. F. Talman. 1917. Crowell publish-
ing co. Springfield, O. 20c.

FOREIGN AND DOMESTIC TRADE

Bibliography

Backgrounds of American export trade, by Margaret L. Pilcher.
Monthly bull. Aug. 1921. Public library, St Louis.
Under the names of different countries, gives lists of books and
pamphlets. Valuable.

FORESTS AND FORESTRY

How the public forests are handled, by Herbert A. Smith. 1921.
Yearbook separate 847. Dep't of agric. Wash. Sup't of doc.
Wash. 5c.
From 1920 Yearbook of Dep't of agric.

FROST

Frost and the prevention of damage by it, by Floyd D. Young. 1920.
Farmers' bull. 1906. Dep't of agric. Wash. Sup't of doc. Wash.
5c.
Notes on frost. Revised 1911. Farmers' bull. 104. Dep't of agric.
Wash. Sup't of doc. Wash. 5c.

GEOGRAPHICAL MODELS

The geographical models. 1917. Children's museum, Bedford park, Brooklyn. N. Y.
Illustrations of models in the Children's museum.

GEYSERS

Geysers of Yellowstone national park, by Walter H. Weed. 1921.
Nat'l park service, Wash. Sup't of doc. Wash. 10c.
In this pamphlet is a description of the forces which have produced the geysers, and the geysers of the Yellowstone are compared with those in Iceland and New Zealand.

GLACIERS

Glaciers of the Rockies and Selkirks, by A. P. Coleman. 1921.
Canadian nat'l parks, 178 Queen st. Ottawa, Can.

IMPORTS AND EXPORTS

Trade of the United States with the world, 1920-21. 1922-23.
Misc. ser. 115. Foreign and domestic commerce bur. Wash.
Sup't of doc. Wash, pt 1, Imports 15c. pt 2, Exports 50c.

INTERNATIONAL CHAMBER OF COMMERCE

The international chamber of commerce, by Frederick P. Keppel.
1922. Amer. ass'n for internat'l conciliation, 407 W. 117th st.
N. Y. 5c.
The international chamber of commerce, what it is and what it does.
folder. n. d. Internat'l chamber of commerce, Amer. section,
Mills bldg, Wash.

IRRIGATION

Irrigation projects. 1920. Reclamation service. Wash.
Short description of the different irrigation projects in the western states, with illustrations.

LAND

Arable land in the United States, by O. E. Baker and H. M. Strong.
1918. Yearbook separate 771. Dep't of agric. Wash. Sup't of doc. Wash. 5c.
From Yearbook of Dep't of agric. 1918.

LOCOMOTIVES

The fifty thousandth locomotive. 1918. Baldwin locomotive works, Phil. Also publishes Locomotive development, by S. M. Vauclain. 1923.

MAPS

Elements of map projection, with applications to map and chart construction. 1921. Special publ. 68. Coast and geodetic sur. Wash. Sup't of doc. Wash. 50c.

Grid system for progressive maps in the United States, by William Bowie and Oscar S. Adams. 1919. Special publ. 59. Coast and geodetic sur. Wash. Sup't of doc. Wash. 25c.

Contains description of grid system devised for use in surveys and maps of the United States and method of using same.

A study of map projections in general, by Oscar S. Adams. 1919. Special publ. 60. Coast and geodetic sur. Wash. Sup't of doc. Wash. 5c.

Attempt has been made in this publication to treat in simple form Some fundamental ideas that underlie map projections in general.

Suggestions for the use of base maps in the various fields of study and research, by J. Paul Goode. n. d. Univ. of Chic. press, 5904 Ellis ave. Chic.

Bibliography

Maps; list of publications for sale. 1922. Sup't of doc. Wash.

METEOROLOGY

Bibliography

Weather, astronomy and meteorology; list of publications relating to above subjects for sale. 1923. Sup't of doc. Wash.

METRIC SYSTEM

Metric manual for soldiers. 1918. Misc. publ. 21 .Bur. of standards, Wash. Sup't of doc. Wash. 5c.

Reprints of articles against the metric system. Amer. institute of weights and measures, 115 Broadway, N. Y.

MONEY

The minting of coins, by Ruth Reticker. 1918. Lessons in community and nat'l life. Ser. C. Bur. of educ. Wash. Sup't of doc. Wash. 15c. Same volume includes Paper money by same author.

NEWSPAPERS

The making of a great newspaper. 1917. N. Y. world N. Y.

PORTS

Biennial rep't. Board of state harbor commissioners, San Francisco, Cal.

Also publishes Tariff, naming rates, rules and regulations, and other publications. Contain excellent pictures.

The function and utility of free ports. 1918. Merchant's ass'n of N. Y. 233 Broadway, N. Y.

Planning of Alaskan ports. by Paul Whitham. 1916. Interior dep't. Wash. Sup't of doc. Wash. 20c.

Includes outline maps of ports of New York, Buffalo, Seattle, San Francisco and Los Angeles.

Ports of United States; reports on terminal facilities, commerce, port charges and administration at 68 selected ports, by Grosvenor M. Jones. 1916. Misc. ser. 33. Bur. of foreign and domestic commerce, Wash. Sup't of doc. Wash. 75c.

A seaport as a center of concentration of population and wealth. by J. Paul Goode. 1918. Lessons in community and nat'l life. Ser. C. Bur. of educ. Wash. Sup't of doc. Wash. 15c.

RAILROADS

The official guide of the railways and steam navigation lines of the United States, Porto Rico, Canada, Mexico and Cuba. Monthly. Nat'l R. R. publ. co. 424 W. 33rd st. N. Y.

While this is too expensive a publication to buy it may be possible for those living in small towns to get back copies from the station agent of the railroad. Besides time tables it contains railroad maps. It also mentions recent descriptive booklets issued by railroad companies.

See America, an historical and geographical treatise on the Baltimore and Ohio railroad. 1916. Baltimore and Ohio R. R. Baltimore, Md.

Out of print at present (27 June 1923) but to be reissued.

ELECTRIFICATION

How science aids the traveler. n.d. Chic. Milwaukee and St Paul R. R. Chic.

Also publishes Over the mountains by electric power. n. d.

ROADS

Development of the modern country roadway, by George C. Warren. 1913. Nat'l highways ass'n, 3211 Thirteenth st. N. W. Wash. Reprinted from the Journal of the Amer. society of engineering contractors, Jan. 1913.

Roads, by H. S. Fairbank. 1921. Yearbook separate 849. Dep't of agric. Wash. Sup't of doc. Wash. 5c.

From 1920 Yearbook of Dep't of agric.

THERMOMETER

Story of the thermometer and its uses in agriculture. 1914. Yearbook separate 635. Dep't of agric. Wash. Sup't of doc. Wash. 5c.

From Yearbook of Dep't of agric. 1914. Gives history and principle of the thermometer, ways of making, etc.

TIME

Keeping time, by C. F. Talman. 1917. Crowell publishing co. Springfield, O. 20c.

TOPOGRAPHICAL MAPS

Topographical maps of the United States, by W. M. Davis. 1917. Physiographic bull. 1. Nat'l highways ass'n, 3211 Thirteenth st. N. W. Wash.

TRANSPORTATION

Inland water transportation in United States. 1923. Misc. ser. 119. Bur. of foreign and domestic commerce, Wash. Sup't of doc. Wash. Write for price.

Over 80 years of trans-Atlantic travel, 1840-1922. Cunard S. S. co. ltd, 25 Broadway, N. Y. Also other publications.

Passenger ships owned by the United States government. n. d. Shipping board, Wash.

Bibliography

Transportation; list of publications for sale. 1922. Sup't of doc. Wash.

TRAVEL

Going abroad. n.d. Shipping board, Wash. Also other publications.

UNITED STATES-NAVY

The United States navy as an industrial asset; what the navy has done for industry and commerce. Navy dep't, Wash. Sup't of doc. Wash. 25c.

VOLCANOES

Earthquakes and volcanoes, by C. F. Talman. 1917. Crowell publishing co. Springfield, O. 20c.

See also Lassen volcanic national park in general list.

WATER POWER

Electric power from the Mississippi river. 1913. Mississippi river power co. Keokuk, Iowa. Also other publications.

WEATHER

Speaking of the weather, by J. Warren Smith. 1921. Yearbook separate 838. Dep't of agric. Wash. Sup't of doc. Wash. 5c.

From Yearbook of Dep't of agric. 1920.

The weather, by C. F. Talman. 1916. Crowell publishing co. Springfield, O. 20c.

WEATHER BUREAU

Weather bureau, by Henry E. Williams. 1921. Weather bur. Wash.

WEATHER FORECASTS

Weather forecasting, with introductory note on atmospheric. 1921. Weather bull. 42. Weather bur. Wash. Sup't of doc. Wash. 5c.

EDUCATIONAL EXHIBITS

This list has been compiled from answers to letters sent out to about 1500 manufacturers and business concerns. Some of the exhibits cost too much for small schools but are included to make the list useful to large schools.

Mr Charles R. Toothaker, curator of the Commercial museum Philadelphia, Pennsylvania, suggest the following paragraph. "Teachers will find that many business firms are sometimes willing to supply material for educational use. The firms most willing to do this are generally those that spend most money on advertising. If you want any particular industry illustrated by specimens and find the firm which advertises largely, you have a very fair chance of getting what you want by writing to them. In such a case everything depends on the kind of a letter you write. A great deal can be done through the parents of children in your own class; the grocer, the druggist or the dry goods dealer has much influence with the wholesale dealer from whom he buys."

Teachers or principals only should write for these exhibits and should not allow the pupils to write. One manufacturer writes, "We have found these privileges have been abused by pupil writing in for them, in several instances a dozen or more coming from the same school, and we think that you will agree with us that this is hardly fair to the manufacturers."

EDUCATIONAL EXHIBITS

Educational work of the Commercial museum of Philadelphia, by Charles R. Toothaker. 1921. Bull. 1920, no. 13. Bur. of educ. Wash. Sup't of doc. Wash. 15c.
Contains some pictures of educational exhibits.

Bibliography

Manufacturers' exhibits, in J. C. Dana. The school department room, p. 16. 1910. The H. W. Wilson co. 958 University ave. N. Y.

GENERAL

Karl Kagerah, Milwaukee, Wis.

Exhibits of cotton, silk, wool, paper, etc. ranging in prices from \$2.00 to \$12.00.

George Philip and son, ltd. 32 Fleet st. Lond. E. C. 4.

Cabinets showing different manufactured articles in various stages of preparation. Write for catalog.

Ward's national science establishment, 84-102 College ave. Rochester, N. Y.

Geological models, collection of rocks and minerals, etc. Send for catalog.

ALUMINUM

Aluminum cooking utensil co. New Kensington, Penn.

Exhibits showing the process of manufactures from the bauxite to the sheet aluminum. Free.

ASBESTOS

Johns-Manville, inc. Michigan ave. and 18th st. Chic.

Sample of crude asbestos, asbestos millboard, asbestos shingles and asbestos cloth.

Keasbey and Mattison co. Ambler, Penn.

Samples of crude asbestos, carded fiber and samples of finished product. Free to teachers. Use letterhead of school when applying.

BUTTONS

Art in buttons, Rochester, N. Y.

Exhibit showing vegetable ivory nut and the processes of manufacture of buttons. 75c.

CEMENT AND CONCRETE

Atlas Portland cement co. 134 S. LaSalle st. Chic.

Exhibit showing the five steps in the process of manufacture: 1. shale; 2. limestone; 3. raw mixture; 4. clinker; 5. finished product. Free to school teachers.

CEREALS

See Grain

COCOA AND CHOCOLATE

Hershey chocolate co. Hershey, Penn.

Shows the process of cocoa manufacture from the bean in its natural state to the finished product. Free.

COFFEE

C. F. Blanke tea and coffee co. 14th and Papin sts. St Louis, Mo.
23 bottles showing the various stages that coffee passes through from the time it leaves the plantation until it is ready for use; contains also samples of different varieties of tea. \$5.00.

Joint coffee trade com. 64 Water st. N. Y.

Fourteen plates, in colors, 11 x 8 1-2 in. showing branch of coffee tree, coffee plantation and different steps in its manufacture.

CORK

Armstrong cork co. Pittsburg, Penn.

Collection showing corkwood in various stages of manufacture. \$2.00.

FLAX

Linen thread co. 96 Franklin st. cor. Church, N. Y.

Flax in different stages of manufacture from the raw material to the finished product. \$6.00, express collect.

FLOUR

Pillsbury flour mills co. Minneapolis, Minn.

Wall chart, 36x40 in. gives in detail the Pillsbury A mill, with photographic reproductions of wheat and flour samples, and 18 pictures dealing progressively with production, transportation, sale and distribution of wheat; also a booklet on wheat and flour production. Sent to any school, library, college or other educational institution; free, express charges to be guaranteed by applicant, or by parcel post, 50c.

Russell-Miller milling co. Minneapolis, Minn.

Wheat and flour exhibit illustrating seven stages in the manufacture of wheat flour. Free to teachers.

Washburn-Crosby co. Minneapolis, Minn.

Sample case illustrating the different stages of manufacture of wheat into flour, together with large charts showing the dissected wheat kernel and a sectional view of a simplified flour mill. To be the property of the school and not of the individual to whom sent.

GRAIN

Kellogg co. Battle Creek, Mich.

Bottle display illustrating different stages in the manufacture of corn flakes, shredded krumbles and bran. Free to teachers.

Postum cereal co. inc. 342 Madison ave. N. Y.

Chart, in color, describing the manufacturing process of grapenuts, postum, etc. Free to teachers.

Shredded wheat co. Niagara Falls, N. Y.

Chart, 22½ x24 in. illustrated in ten colors, showing the entire process of manufacturing shredded wheat biscuit. 10c.

INK

Carter's ink co. Cambridge 41, Bost.

Exhibit consisting of the different dyes, gums, starches and other chemicals that enter into the manufacture of Carter's inks. adhesives, carbon papers and typewriter ribbons. Distributed only to teachers of commercial geography.

LEATHER

Pfister and Vogel leather co. 447 Virginia st. Milwaukee, Wis.

Leather specimen book of different kinds of leather to show various stages in tanning. \$9.00.

LIMESTONE

Indiana limestone quarrymen's ass'n, Bedford, Ind.

Samples of Indiana limestone.

MACARONI

Beech-nut packing co. Canajoharie, N. Y.

A jar of durum wheat, semolina and a box showing the finished product, macaroni, spaghetti, etc. Free to teachers.

PAPER

Amer. paper and pulp ass'n, 18 E. 41st st. N. Y.

Exhibit of five flasks containing pulp in its various stages of manufacture. Only a limited number for larger schools available.

Hammermill paper co. Erie, Penn.

Educational exhibit furnished schools and public libraries; one exhibit in a town.

Strathmore paper co. Mittineague, Mass.

Three bottles containing rags, half stock, and jordon stock, showing paper in process of manufacture. \$1.00.

PEANUT BUTTER

Beech-nut packing co. Canajoharie, N. Y.

Exhibit of peanut butter, six jars, showing the peanuts and the little acrid heart which is extracted during the course of manufacture. Free to teachers.

PENCILS

Eberhard Faber, 37 Greenpoint ave. Brooklyn, N. Y.

Steps in the manufacture of a pencil from crude graphite and cedar strip to the finished product. Also shows the evolution of a rubber eraser.

PENS

Esterbrook steel pen mfg co. Camden, N. J.

Shows by samples the steps in the manufacture of pens from the sheet steel to the finished product. Furnished to teachers when requested by principal of the school.

C. Howard Hunt pen co. Camden, N. J.

Process card showing how pens are made.

ROPE

Ludlow mfg associates, 111 Devonshire st. Bost.

Exhibit is made up of ten samples consisting of flax, jute, Italian and American hemp showing processes of manufacturing into twine. \$3.00.

RUBBER

Eberhard Faber, 37 Greenpoint ave. Brooklyn, N. Y.

The evolution of a rubber eraser is shown in his exhibit of how a lead pencil is made.

Firestone tire and rubber co. Akron, O.

Rubber exhibit weighing 208 pounds, sent on the condition that the school will pay express both ways.

B. F. Goodrich rubber co. Akron, O.

Samples of rubber, crude Para rubber, plantation crepe, smoked plantation crepe, washed Para, compounded rubber and finished product.

Hard rubber products co. Watertown, Mass.

Shows crude rubber and the various ingredients necessary to refine and to manufacture it into rubber boots and shoes. \$1.00.
To schools 60c.

SHEARS

The W. H. Compton shear co. Newark, N.J.

How shears are made. 30c.

SHOES

W. L. Douglas shoe co. Brockton, Mass.

Shows the various parts which make up a shoe, properly labeled and mounted on two large cards. \$5.00.

SILK

Belding bros. and co. 201 W. Monroe st. Chic.

Silk culture cabinet, showing the development of the egg to the finished product. \$2.50

Corticelli silk co. Florence, Mass.

Box of two cocoons, 10c; silk culture chart, 20c; set of eight mounted specimens, showing each step in the manufacturing process from the raw silk to the finished product, 80c; postage 6c; silk culture cabinet, \$2.00 if intended for permanent educational exhibit in schools, express collect.

H. K. H. silk co. of N.Y. inc. 120 E. 16th st. N.Y.

Specimens of silk in twelve stages, showing process of manufacture from the worm and cocoon to the finished product. 65c.

T. A. Keleher, P. O. box 141, Penn. ave. station, Wash.

Silk cocoon exhibit, 5 cocoons in various colors and conditions and a small skein of raw silk, 25c. Silk culture exhibit in Riker glass-cover mount display eggs of the silkworm moth, mature silkworm (inflated) the chrysalis, silk moths, male and female, silk cocoon in various conditions and colors, raw silk, silk fabric and the silkworm's plant food, mulberry leaf. \$1.50. Silk worm eggs, about 300 for school room demonstration. 50c.

SPICES

D. and L. Slade co. 189-191 State st. Bost.

Card having mounted upon it 40 bottles containing samples of whole spices, seeds, etc; under each vial is placed the name of the spice and the country from which it comes. \$3.00.

TEA

C. F. Blanke tea and coffee co. 14th and Papin sts. St Louis, Mo.

See description of exhibit under coffee. \$5.00.

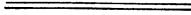
WOOLEN AND WORSTED MANUFACTURE

Bigelow-Hartford carpet co. 385 Madison ave. N. Y.

Samples of raw wool, scoured wool, worsted yarn and woollen yarn and small samples of rug and carpet material.

S. B. and B. W. Fleisher, inc. 25th and Reed sts. Phil.

Shows the various processes through which wool passes in the manufacture of worsted yarn. \$1.50.



VISUAL EDUCATION

No attempt has been made to list agencies which furnish photographs, lantern slides, motion pictures, etc. only to certain cities or states.

For lists of dealers in stereopticons, projection apparatus, accessories, etc. see list of addresses following this list.

Bibliography

List of references on visual education. 1923. Library leaflet 18. Bur. of educ. Wash.

MOTION PICTURE FILMS

This list is not intended to be a complete list of moving picture exchanges. Most of those included are distinctly educational or have educational departments. Write direct to the exchange for lists of films and terms.

GENERAL

Motion pictures and motion-picture equipment; a handbook of general information, by F. W. Reynolds and Carl Anderson. 1920. Bull. 1919. no. 82. Bur. of educ. Wash. Sup't of doc. Wash. 5c.

The story of the Bureau of commercial economics. 1923. Bur. of commercial economics. inc. Wash.
Reprint from the Congressional record.

Using motion pictures in commercial geography, by O. W. Freeman. Journ. of geog. 22: 30-3, Jan. '23.

Bibliography

Motion picture films. Mimeographed list in List of sources of illustrative material, projection apparatus and supplies. Div. of agric. instruction, Wash.

Motion pictures of the United States Dep't of agric. 1922. Dep't circ. 233. Dep't of agric. Wash. Sup't of doc. Wash. 5c.

Includes these films, From wool to cloth, Outdoor life in the Rockies and other geographical films, lumbering, cotton, wheat and others.

Sources of films for the non-theatrical exhibitor of motion pictures. n. d. Beacon projector co. inc. 521 W. 57th st. N. Y.

Periodicals

The Educational screen, including Moving picture age, monthly except July and August. Educational screen, inc. 5 S. Wabash ave. Chic. \$1.00 per year.

Issues in addition various publications on visual instruction and an annual compilation of non-theatrical films, classified by subjects, with distributors indicated.

Visual education, monthly. Society for visual education, inc. 806 W. Washington blvd, Chic.

ADDRESSES

GENERAL COMMERCIAL EXCHANGES

Henry Bollman, 67 W. 44th st. N. Y.

Bray productions, inc. 120 W. 42nd st. N. Y.

Industrial and travel films.

Bureau of commercial economics, Francis Holley, director, Wash.
Write for information.

Community motion picture service, inc. 46 W. 24th st. N. Y.

In preparation, a new series on geography, to be followed by a course on the United States, by regions.

De Vry circulation, 1111 Center st. Chic.

Industrial-educational films for non-theatrical field. Rent free.

Eskay-Harris feature film co. 126 W. 46th st. N. Y.

Famous players-Lasky corporation, 3721 Washington blvd, St Louis Mo.

Film library, inc. 130 W. 46th st. N. Y.

Films of travel scenes for sale only.

Ford motion picture laboratories, Detroit, Mich.

Films on geography and industries for sale.

Fox film corporation, N. Y.

Has educational department.

Graphic film co. inc. Mercantile library bldg, Cincinnati, O.

Haynes studios, 341 Selby ave. St Paul, Minn.

Motion pictures of the Yellowstone.

Jawitz pictures corporation, 729 Seventh ave. N.Y.

Films rented. Manufacturers of educational motion pictures.

Kineto co. of Amer. 350 Madison ave. N.Y.

George Kleine motion pictures, 116 S. Michigan ave. Chic.

Lea Bel film co. 804 Wabash ave. Chic.

Films, geographical and industrial.

J. Alexander Leggett, 1476 Broadway, N. Y.

Industrial films free, except express charges.

William A. Lochren film and slide co. 16 N. Fourth st. Minneapolis, Minn.

Monarch theater supply co. 724 S. Wabash ave. Chic.

Films sold.

National non-theatrical motion pictures, inc. 130 W. 46th st. N. Y.

Films, geographical and commercial, etc.

Pathe exchange, inc. 35 W. 45th st. N. Y.

Has educational department.

Pilgrim photoplay exchange, 736 S. Wabash ave. Chic.

Educational films.

Queen feature service, 31 Potter bldg, Birmingham, Ala.
Films for sale.

Romell motion picture co. 115 East 6th st. Cincinnati, O.
Films, educational and scientific.

Society for visual instruction, inc. 806 W. Washington blvd, Chic.
Films on geography, physical geography, economic history.

Temple pictures, inc. 2301 Prairie ave. Chic.

United cinema co. inc. 130 W. 46th st. N. Y.

United projector and film corporation, 69-71 W. Mohawk st. Buffalo, N. Y.

Geographical films.

Urban motion picture industries, inc. Irvington-on-Hudson, N. Y.
Travel films and other educational films.

World education film co. 406 Englewood ave. Chic.

Geographical and industrial films besides others.

Young Men's Christian association, Motion picture bur. 347 Madison ave. N. Y.

Industrial and geographical films. No rental charge.

INDIVIDUAL FIRMS AND DISTRIBUTING AGENCIES

It will be necessary in each case to write directly to the firm in whose films you may be interested for information in regard to conditions of loan, terms, etc.

Amer. face brick ass'n, 130 N. Wells st Chic.

Manufacture of face brick, 3 reels.

Amer. paper and pulp ass'n, 18 E. 41st st. N. Y.

Distributes motion pictures on the paper industry.

Amer. sugar refining co. 117 Wall st. N. Y.

Sugar industry.

Atchison, Topeka and Santa Fe R. R. system, Railway exchange, Chic.

Hope to have motion picture films of Indian industries, Grand Canyon of Arizona, Santa Fe, N. M. and vicinity ready early part of the fall of 1923.

E. C. Atkins and co. Indianapolis, Ind.

The development of the saw, 1 reel.

Avery co. Peoria, Ill.

Farm machinery.

Franklin Baker co. Phil.

Tropical scenes with coconut groves. Native method of shipping and manufacture of coconut.

Bay state milling co. Winona, Minn.

Ancient and modern flour milling, 2 reels.

Belding bros. and co. 201 W. Monroe st. Chic.

Colored film, Romance of silk, 2 reels.

Canadian government motion picture bur. Ottawa, Can.

Seeing Canada series of motion pictures. Write for information.

Carter's ink co. Cambridge 41, Bost.

Films showing factory, 2 reels.

- J. I. Case plow works co. Racine , Wis.
Industrial film.
- Cleveland and Buffalo transit co. Cleveland, O.
Lure of Lake Erie, showing Niagara Falls.
- Corticelli silk co. Florence, Mass.
Films picturing the silk industry from the raising of the silk-worms in Japan to the manufacture of the finished product. One and two reels.
- Curtis publishing co. Independence square, Phil.
Manufacturing and circulating a magazine.
- Doubleday, Page and co. Garden City, N. Y.
Every stage in the making of books and magazines.
- Eastman kodak co. Rochester. N. Y.
The story of film making from the cotton grower to the motion picture studio.
- Endicott, Johnson corporation, Endicott, N. Y.
Tanning and shoe making. 1½ reels, ea.
- Marshall Field and co. Chic.
Manufacture of Zion laces. 1 reel.
- Firestone tire and rubber co. Akron, O.
Processes of tire manufacture.
- Internat'l harvester co. inc. Agric. ext. dep't, Harvester bldg, Chic.
Write for information.
- Internat'l mercantile marine co. 1 Broadway, N. Y.
Across the Atlantic on a gigantic liner and In gulfs enchanted, West Indies.
- Johns-Manville, Michigan ave. and 18th st. Chic.
Four reel film depicting the mining and fabricating of asbestos.
- Geo. E. Keith co. Campello, Brocton, Mass.
Modern shoe making, 1 reel.
- Long-Bell lumber co. Kansas City, Mo.
Lumber manufacture. 1 reel.
- Luray caverns corporation, Luray, Va.
Luray caverns, 3 reels.
- Matson navigation co. 120 Market st. San Fransisco, Cal.
Hawaiian islands.
- Missouri Pacific R. R. co. Railway exchange bldg, St Louis, Mo.
Films on the west and other sections.
- Northern Pacific R.R. co. 411 Olive st. St Louis, Mo.
Yellowstone national park and views of Montana.
- Chamber of commerce, Ogden, Utah.
Ogden. 1000 ft.
- Portland cement ass'n, 111 W. Washington st. Chic.
Manufacture of cement.
- D. and L. Slade co. Bost.
Probably about Jan. 1924 will have a motion picture on spices.
- Sullivan machinery co. Peoples gas bldg, Chic.
Story of coal, showing the mining and preparation of coal for the market. Two reels. Building mining and quarrying machinery in

a Yankee shop. Two reels. Story of rock drilling, showing how rock is drilled and cut in quarries, mines and on heavy construction and engineering work. Three reels.

Union Pacific system, St Louis, Mo.

United States. Agriculture dep't, Wash.

Write for list.

United States. Alaskan engineering commission, 6127 Interior bldg, Wash.

Railroad construction in Alaska. Three reels.

United States. Reclamation service, Wash.

A number of films depicting the west. Send for list.

United States Steel corporation, 71 Broadway, N. Y.

Industrial motion picture on iron mining, coal mining, steel manufacture, etc.

LANTERN SLIDES, PICTURES, PHOTOGRAPHS, POST CARDS, AND STEREOGRAPHS

GENERAL

Lantern slides; how to make and color them. Ed. 9. 1923. Eastman kodak co. Rochester N.Y.

The picture collection. rev. 1917. The H.W. Wilson co. 958 University ave N.Y. \$1.00

Gives sources of pictures and describes how a picture collection may be organized.

Picture material for geography classes, by Jessie L. Burrall. in Nat'l educ. ass'n. Addresses and proceedings 1920: 382-3

Visual education, partial reprint from Teachers' guide to Keystone 600 set. ©1922. Keystone view co. Meadville, Penn. Write for price.

Tells how to study and use stereographs and lantern slides.

Bibliography

Lantern slides, mimeographed list in List of sources of illustrative material, projection apparatus and supplies. Div. of agric. instruction, Wash.

Use of pictures in schools. Wilson bull. Mar. 1920, p. 447. H. W. Wilson co. 958 University ave. N. Y.

COMMERCIAL DISTRIBUTORS

American museum of natural history, N. Y.

Photographs and lantern slides.

Beseler lantern slide co. 131 E. 23rd st. N. Y.

Lantern slides including colored slides with manuscripts.

Albert Bonnier publishing house, 561 Third ave. N. Y.

Pictures of Sweden.

- George P. Brown and co. 38 Lovett st. Beverly, Mass.
Pictures of famous buildings and scenery.
- Central scientific co. 460 E. Ohio st. Chic.
Lantern slides for scientific instruction. Catalog Q.
- Conrad slide and projection co. Glen Ellyn, Ill.
Lantern slides for geography and other subjects.
- Arthur S. Cooley, 631 North New st. Bethlehem, Penn.
Lantern slides of Greece, Italy, Sicily, etc. for sale. Also photographs.
- Denoyer-Geppert co. 5235 Ravenswood ave. Chic.
Geographical pictures.
- Detroit publishing co. Detroit, Mich.
Postcards and photographs.
- De Vry circulations. 1111 Center st. Chic.
Slides on almost every country for rent or sale.
- Educational prints, Box 27, Station Y., N. Y.
Post card size pictures of France .
- Excelsior illustrating co. 219 Sixth ave. N. Y.
Manufacturers of lantern slides.
- Gramstorff bros. inc. 101-103 Ferry st. Malden, Mass.
Owners of Soule art publishing co. and Horace K. Turner co. collections. Pictures and lantern slides.
- Haynes studios, 341 Selby ave. St Paul, Minn.
Post cards, photographs, transparencies and lantern slides of Yellowstone national park.
- Keystone view co. inc. Meadville, Penn.
Stereographs and lantern slides.
- William A. Lochren film and slide co. 16 N. Fourth st. Minneapolis, Minn.
Lantern slides.
- T. H. McAllester-Keller co. inc. 176 Fulton st. N. Y.
Slides of American and foreign scenery for rent or sale.
- McIntosh stereopticon co. 30 E. Randolph st. Chic.
Lantern slides. Catalog E, geography.
- National geographic society, Wash.
Lantern slides from photographs in the National geographic magazine. Also sets of pictures illustrating Esquimo life, Sahara life, Land, water and air. United States, Italy and others.
- A. J. Nystrom and co. 2249 Calumet ave. Chic.
Geographical pictures.
- Perry pictures co. Malden, Mass.
Geographical pictures.
- George Philip and son, ltd. 32 Fleet st. Lond. E. C. 4.
Geographical pictures .
- Putman studios, 757 S. Los Angeles st. Los Angeles, Cal.
Photographs and lantern slides of California, Arizona and Yellowstone.
- Rau studios, inc. 238 S. Camac st. Phil.
Photographs and lantern slides for rent or for sale; lecture sets with readings.

- Riley-Sloan co. inc. 122 Fifth ave. N. Y.
Lantern slides for sale or rent.
- Schweig-Engel film corporation, 4929 Delmar blvd, St Louis, Mo.
Slides
- Temple pictures, inc. 2301 Prairie ave. Chic.
Slides.
- Thompson publishing co. Syracuse, N. Y.
Geographical and industrial pictures.
- Raphael Tuck and sons, ltd, 347 Fifth ave. N. Y.
Post cards of the different countries of the world.
- United projector and film corporation, 69-71 W. Mohawk st. Buffalo, N. Y.
Lantern slides and photographs.
- Victor animatograph co. Davenport, Iowa.
Lantern slides for sale or rent.
- W. M. Welch mfg co. 1516 Orleans st. Chic.
Slides showing irrigation, etc. Also for physical geography.
- Williams, Brown and Earle, inc. 918 Chestnut st. Phil.
Lantern slides for sale or rent with lecture readings.

INDIVIDUAL FIRMS AND DISTRIBUTING AGENCIES

- Amer. paper and pulp ass'n, 18 E. 41st st. N. Y.
Distributes stereopticon slides on the paper industry.
- Atchinson, Topeka and Santa Fe R. R. system, Railway exchange, Chic.
160 hand colored slides, depicting a trip from Chicago to California via Santa Fe, N. M. showing the Indian country of New Mexico and Arizona, petrified forest, Grand canyon, southern Arizona and California, central California and Yosemite.
- Avery co. Peoria, Ill.
Slides on farm machinery.
- Canada. Natural resources intelligence branch, Ottawa, Can.
Lantern slides on Canadian resources.
- Corticelli silk mills, Florence, Mass.
63 hand colored stereopticon slides with explanation.
- Eastman kodak co. Rochester, N. Y.
Lantern slides on making of film, lenses, etc. with material for lecture.
- Internat'l harvester co. inc. Agric. ext. dep't, Harvester bldg, Chic.
Charts and lantern slides, with lecture books. Send for list.
- Luray caverns corporation, Luray, Va.
Slides of Luray caverns.
- Niagara gorge R. R. co. Niagara Falls, N. Y.
Colored slides on three or four subjects.
- Northern Pacific R. R. co. 411 Olive st. St Louis, Mo.
Hand painted lantern slides on Yellowstone national park and on the west.
- Chamber of commerce, Publicity dep't, Portland, Ore.
Slides on salmon industry, lumbering, Columbia river highway, etc.

Portland cement ass'n, 111 W. Washington st. Chic.

Lantern slides on different phases of concrete construction.

Sullivan machinery co. Peoples gas bldg, Chic.

Slides on coal mining machines at work, of drills, compressors and other similar equipment.

Union Pacific system, St Louis, Mo.

Stereopticon slides pertaining principally to Colorado, Rocky mountain park, Estes park, and Yellowstone national park.

United States. Alaskan engineering commission, 6127 Interior bldg. Wash.

Pictures showing railroad construction, farming, etc. in Alaska.

Worcester salt co. 71 Murray st. N. Y.

Lantern slides.

LIST OF ADDRESSES

MOTION PICTURE EQUIPMENT, STEREOPTICONS

Bibliography

- Educational institutions equipped with motion-picture projection machine. Ext. leaflet 1. Dec. 1919. Bur. of educ. Wash.
- List of sources of illustrative material, projection apparatus and supplies. Mimeographed list. Div. of agric. instruction. Wash.

ADDRESSES

- Acme motion picture projection co. 806 W. Washington blvd, Chic.
- AnSCO co. Binghamton, N. Y.
Cinematograph film.
- Bass camera co. 109 N. Dearborn st. Chic.
Motion picture cameras, projection apparatus for motion pictures and lantern slides, screens, accessories and supplies.
- Beacon projector co. inc. 521-531 West 57th st. N. Y.
Projectors.
- Chas. Beseler co. 131-133 E. 23rd st. N. Y.
Motion picture machines, stereopticons, screens, etc.
- Burke and James, inc. 240-258 E. Ontario st. Chic.
Motion picture cameras, stereopticons, screens, etc.
- Capital merchandise co. 538 S. Dearborn st, Chic.
Projection machines, stereopticons and accessories. Electric power plants.
- Chicago apparatus co. 701 W. Washington blvd, Chic.
Projection lanterns.
- Conrad slide and projection co. Glen Ellyn, Ill.
Lanterns. lanterns slide cabinets, screens, etc.
- Corning glass works, Corning, N. Y.
Lenses for motion picture projectors.
- Da-Lite screen and scenic co. 922 W. Monroe st. Chic.
Screens.
- De Vry corporation, 1111 Center st. Chic.
Motion picture projectors, stereopticons and screens.
- Drop-head projector co. Fond du Lac, Wis.
Projectors.
- H. S. Dum and co. Downers Grove, Ill.
Motion picture equipment; used equipment at a bargain.
- Eastman kodak co. Rochester, N. Y.
Motion picture camera for amateurs, and projection apparatus for these films.
- Enterprise optical mfg co. 564 W. Randolph st. Chic.
Projectors and accessories.

- Exhibitors supply co. inc. 608 S. Dearborn st. Chic.
 Motion picture machines, projectors and stereopticons, screen supplies and accessories.
- Gundlach-Manhattan optical co. Rochester, N. Y.
 Projection lenses for motion picture machines and stereopticons.
- J. H. Hallberg, 209 W. 48th st. N. Y.
 Moving picture machines and portable electric light plant.
- Holmes projector co. 724 N. Curtis st. Chic.
 Projectors and stereopticons.
- Kewanee mfg co. Kewanee, Wis.
 Lantern slide cabinets, moving picture and projection apparatus tables.
- Keystone view co. Meadville, Penn.
 Special lantern for slides, screens, cabinets for stereographs and lantern slides.
- J. Alexander Leggett, 1476 Broadway, N. Y.
 Portable projectors, used, at reduced prices.
- Ward Leonard electric co. Mount Vernon, N. Y.
 Electric controlling devices.
- William A. Lochren film and slide co. 16 N. Fourth st. Minneapolis, Minn.
 Portable projectors and stereopticons.
- T. H. McAllester-Keller co. inc. 1s6 Fulton st. N. Y.
 Stereopticons, screens and accessories.
- McIntosh stereopticon co. 30 E. Randolph st. Chic.
 Stereopticons, projection apparatus and accessories.
- Minusa cine screen co. St Louis, Mo.
 Screens.
- Monarch theatre supply co. inc. 724 S. Wabash ave. Chic.
 Moving picture equipment and supplies.
- National projector and film corporation of Amer. Niles, Mich.
 Projectors.
- Pilgrim photoplay exchange, 736 S. Wabash ave. Chic.
 Moving picture projectors, stereopticons, screens and accessories.
- Nicholas Power co. inc. 90 Gold st. N. Y.
 Stereopticons, motion picture projectors and accessories.
- Precision machine co. inc. 317 E. 34th st. N. Y.
 Moving picture projectors.
- Queen feature service, 31 Potter bldg, Birmingham, Ala.
 Motion picture machines and stereopticons.
- Rau studios, inc. 238 S. Camac st. Phil.
 Projectors for lantern slides and pictures.
- Riley-Sloan co. inc. 122 Fifth ave. N. Y.
 Projection apparatus.
- Romell motion picture co. 115 E. Sixth st. Cincinnati, O.
 Non-theatrical motion picture machines and stereopticons.
- Safety projector co. 310 W. 2nd st. Duluth, Minn.
 Projectors.
- Schweig-Engle film corporation, 4927 Delmar blvd, St. Louis, Mo.

- Portable moving picture projectors, stereopticons, accessories, including screens.
 Society for visual instruction, 806 W. Washington blvd, Chic.
 Projector for moving picture films.
 Theatre supply co. inc. Film bldg, Cleveland; O.
 Projectors and other equipment.
 A. T. Thompson co. 15 Tremont place, Bost.
 Reflectoscopes and attachments, lanterns and lantern slide boxes, stereopticons, screens, etc.
 Trans-lux daylight picture screen, inc. 36 W. 44th st. N. Y.
 Screens.
 United cinema co. inc. 130 W. 46th st. N. Y.
 Projectors.
 United projector and film corporation. 69-71 W. Mohawk st. Buffalo, N. Y.
 Motion picture projectors and stereopticons.
 Urban motion picture industries, inc. Irvington-on-Hudson, N. Y.
 Projection outfits.
 Victor animatograph co. Davenport, Iowa.
 Portable stereopticons, motion picture projectors, screen and accessories.
 W. M. Welch mfg co. 1516 Orleans st. Chic.
 Projection apparatus.
 Williams, Brown and Earle. inc. 918 Chestnut st. Phil.
 Stereopticons, motion picture machines, screens, accessories and supplies.
 Repairs made.
 Worldseye co. 928 Hanna bldg, Cleveland, O.
 Projectors.

MAPS, GLOBES, MISCELLANEOUS SUPPLIES

For pamphlets on maps see Miscellaneous list under Maps.

GENERAL

The children's museum, Bedford park, Brooklyn, N. Y. has a list of geographical models describing those owned by the museum and other publications.

Bibliography

Publishers or sources of material in Map, atlases and geographical publications. 1915 p. 44-46. The H. W. Wilson co. 958 University ave. N. Y. 75c.

Sources of maps, charts and models. Mimeographed list. Div. of agric. instruction, Wash.

Visual instruction; sources of objects in Aids in high school teaching, pictures and objects. 1916. p. 53-68. The H. W. Wilson co. 958 University ave. N. Y. \$1.00.

ADDRESSES

- Amer. geographical society, Broadway at 156th st. N. Y.
Maps.
- John Bartholomew and son, ltd. Geographical institute, Duncan st.
Edinburgh, Scotland.
Maps.
- George P. Brown and co. 38 Lovett st. Beverly, Mass.
Stencil maps.
- Central scientific co. 460 E. Ohio st. Chic.
Catalog P. Physiographical apparatus, lists globes, map supplies,
maps relief models, mineral collections, etc.
- The Clason map co. 431 S. Dearborn st. Chic.
Maps.
- George F. Cram co. 111 N. Market st. Chic.
Washable wall maps and globes.
- Denoyer-Geppert co. 5235 Ravenswood ave. Chic.
Wall, desk, outline maps, politico-relief maps, map cabinets, globes.
- Educational exhibition co. 26 Custom house st. Providence R. I.
Maps, map markers, signals, etc.
- C. S. Hammond and co. 34 Church st. N. Y.
Maps, globes, map puzzles.
- Historical publishing co. Topeka, Kansas.
Outline maps and geography notebooks.
- Jennings publishing co. inc. P. O. box 17, Brooklyn, N. Y.
Maps in pads of fifty.
- W. and A. K. Johnston, ltd, Edina works, Easter rd. Edinburgh,
Scotland.
Maps.
- McConnell school map co. 213 Institute place, Chic.
Maps.
- McKinley publishing co. 1619-1621 Ranstead st. Phil.
Maps, desk and wall.
- McKnight and McKnight, Normal, Ill.
Maps, desk and wall, globes and other geographical supplies.
- Mentzer, Bush and co. 2210 S. Park ave. Chic.
Geography note books.
- Nat'l geographic society, Wash.
Maps.
- National map co. 32. E. Georgia st. Indianapolis, Ind.
Maps.
- A. J. Nystrom and co. 2249 Calumet ave. Chic.
Outline, desk and wall maps, charts, map cases and globes.
- Ohman map co. 258 Broadway, N. Y.
Maps of New York city.

- George Philip and son, ltd, 32 Fleet st. Lond. E. C. 4.
Maps, charts, globes, relief models, map cabinets and miscellaneous geographical apparatus.
- Rand, McNally and co. 536 S. Clark st. Chic.
Maps and globes.
- Robertson bros. 2103 K st. N.W. Wash.
Relief maps, collection of minerals and rocks, model makers.
- Ryan and Buker, inc. 15 Brattle st. Harvard square, Cambridge, Mass.
Outline maps.
- Edward Stanford, ltd. 12-14 Long Acre, Lond. W. C. 2.
Maps.
- Universal fixture corporation, 135 W. 23rd st. N. Y.
Displayors for maps, pictures, etc.
- University of Chicago press, 5904 Ellis ave. Chic.
Desk and wall maps.
- Ward's natural science establishment, 84-102 College ave. Rochester, N. Y.
Relief maps, minerals, models, etc.
- W. M. Welch mfg co. 1516 Orleans st. Chic.
Maps, charts, samples of rock, general supplies for physical geography.
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