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## UNITED STATES DEPARTMENT OF AGRICULTURE

MISCELLANEOUS CIRCULAR No. 35

WASHINGTON, D. C.

MARCH, 1925

## BIBLIOGRAPHY ON THE MARKETING OF AGRICULTURAL PRODUCTS

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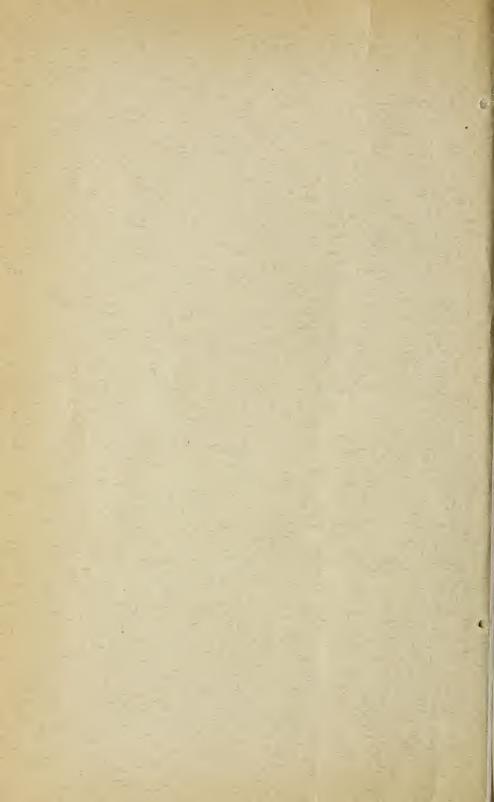
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WASHINGTON
GOVERNMENT PRINTING OFFICE
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### KEY TO ABBREVIATIONS.

Agr. and mech. col.	Agricultural and mechanical college.
Agr. col	
Agr. econ	Agricultural economics.
Agr. exp. sta	Agricultural experiment station.
Agr. ext. serv	
Amer Acad Polit and Social Sci	American Academy of Political and Social Sciences.
Amer Foor Day	American Readenty of I officer and Social Sciences.
Amer. Econ. Rev	American Economic Review. American Farm Bureau Federation.
Ann	
Assoc	Association.
Bd	Board.
Bien. rept	
Bi-mo	Bi-monthly
Bul	
Bur. Agr. Econ	Bureau of Agricultural Economics.
Bur. Animal Indus	
Bur. Chem	Bureau of Chemistry.
Bur. Plant Indus	Bureau of Plant Industry.
Bur, Stat	Bureau of Statistics.
Ch	
Circ	
Cmd	
Col. agr. and eng	College of agriculture and engineering.
Col. agr. and mech. arts	College of agriculture and mechanic arts.
Com	Commission.
Cong	
Dept	
Div.	Division
Doc	
Ed	
Enl	
Gen	General.
Hort	Horticultural.
Internat. Rev. of Agr. Econ	International Review of Agricultural Economics.
Jour. Farm Econ	Journal of Farm Economics.
Misc. pub	Miscellaneous publications
Misc. ser	
Off	Office, official.
Off. Sec	Office of the Secretary.
Pan Amer. Sci. Cong	Pan American Scientific Congress.
Polit.	
Proc	Proceedings.
Quart. jour	
Rept	Report
Rev	
	Service and regulatory announcements.
Sci	
Ser	
Sess	
Soc	Social, society.
Spec. bul	
Spec. pub	Special publication
Suppl	
Trong	Transactions
TransUniv	TT
UIIIV	University.

### BIBLIOGRAPHY ON THE MARKETING OF AGRICUL-TURAL PRODUCTS<sup>1</sup>

Compiled by Emily L. Day, Katharine Jacobs, and Margaret T. Olcott, Library, Bureau of Agricultural Economics, under the direction of Mary G. Lacy, Librarian

#### INTRODUCTION

This bibliography was designed to include the more important references to publications in English on methods of marketing agricultural products and discussions of the principles upon which methods of marketing should be based. All cost-of-marketing studies which were found were included, but except for these no attempt has been made to cover the field of statistics. Nor has any attempt been made to cover the subject of exchanges exhaustively. One or two citations on this subject have been included under "General marketing," a few others have been entered under the commodity headings such as "Cotton" or "Grain."

Periodical articles have not been included as a class because the Agricultural Index makes such articles fully available. Exception has been made, however, in the case of the periodicals whose titles follow: Annals of the American Academy of Political and Social Science, American Economic Review, Journal of Farm Economics, International Review of Agricultural Economics, State Horticultural Society reports, Maryland Agricultural Society reports, certain issues of the Iowa Journal of History and Politics, and the monthly publications of some of the State departments of agriculture.

Many States have marketing bureaus or divisions of marketing under the State departments of agriculture. No attempt has been made to include the reports of these bureaus or divisions, although they may contain items of local interest.

The material has been arranged under commodity wherever possible. As a result of this arrangement the person interested in cooperation, storage, or transportation will have to examine these headings under each commodity listed in the table of contents as well as under Part I, "General marketing," in order to find all references to these subjects. General works on marketing are listed only under Part I, "General marketing," although they frequently contain chapters on special commodities.

<sup>&</sup>lt;sup>1</sup> Revised and enlarged from Bibliographical Contributions No. 7, Library, U. S. Department of Agriculture. (Mimeographed.)

#### PART I. GENERAL MARKETING

#### 1. GENERAL

ADAMS, A. B. Marketing perishable farm products. Columbia Univ. Studies in History, Economics and Public Law, vol. IXXII, no. 3, whole no. 170. 1916.

ADAMS, E. F. The modern farmer in his business relations. San Francisco, N. J. Stone Co.,

662 p.

Book 4, entitled The Farmer as a Business Man; contains chapters on the commission mer-chant, the railroads, and the speculator in relation to the farmer.

tion to the farmer.

Book 5 is entitled The Farmer as a Cooperator.

Book 7 is entitled The Cooperative Fruit
Marketing Societies of California.

ADAMS, R. L. Farm management. N. Y. and
London, McGraw-Hill inc., 1921. 671 p.

Marketing methods: p. 469-496. Partial list
of references to literature upon marketing: p.

514-516.

of references to literature upon marketing: p. 514-516.

AMERICAN ACADEMY OF POLITICAL AND SOCIAL SCIENCE. American produce exchange markets. Annals, v. 38, no. 2. Philadelphia, 1911.

Partial contents: Huebner, S. S. The functions of produce exchanges.—Harris, Siebel. Methods of marketing the grain crop.—Merill, J. C. F. Classification of grain into grades.—Cowen, W. S. Grain inspection in illinois.—Mudgett, B. D. Current sources of information in produce markets.—Parker, Carl. Governmental regulation of speculation.—Babson, R. W. Factors affecting commodity prices.—Stone, G. F. Board of trade of the city of Chicago.—Carlant, E. R. The New York produce exchange.—Morgan, G. H. Merchants' exchange of St. Louis.—The exchanges of Minneapolis, Duluth, Kansas City, Mo., Omaha, Buffalo, Philadelphia, Milwaukee, and Toledo.—Marsh, A. R. Cotton exchanges and their economic functions.—Arnold, J. J. Financing of cotton.—Huebner, G. G. The coffee market.

—Reducing the cost of food distribution. Annals, vol. 50, no. 139. Philadelphia, Nov., 1913.

Contents: Pt. 1. More efficient distribution.

Contents: Pt. 1. More efficient distribution Contents: Pt. 1. More efficient distribution and conservation of foodstuffs; Pt. 2. Lower costs through the middlemen and retailing; Pt. 3. Lower costs through municipal markets and direct marketing; Pt. 4. Lower costs through farm credits and advertising; Pt. 5. Lower costs through cooperation; Pt. 6. Elevent in the content of the co ments in a constructive program for lower distribution costs.

AMERICAN INSTITUTE OF AGRICULTURE, CHICAGO.
Lessons. 1922-1923.
These are the lessons on the marketing of farm products which are included in the Insti-

farm products which are included in the Abstitute's correspondence course.

BAILEY, L. H. The country life movement in the United States. N. Y., Macmillan, 1911. 220p. The middleman question: p. 149-164.

——. Cyclopedia of American agriculture. vol. 4. Farm and community. Ed. 4. N. Y.,

1912 entitled Business Organization Agriculture, contains articles on the middle-man, distribution of perishable crops, transpor-

tation and cooperative marketing: p. 215-276.

BARNES, J. H. Methods of marketing food products. An address before the annual meeting of

BARNES, J. H. Methods of marketing food products. An address before the annual meeting of the Chamber of commerce of the United States at Atlantic City, April 27, 1921. 15 p.

BEAN, B. H. Markets and marketing. N. Y. State Dept. of Farms and Markets. Bul. 124, p. 33-39. 1919.

BOMBERGER, F. B. Marketing farm products in Maryland. Md. Univ. Ext. Serv. Bul. 22, 1920.

Appendix A is: Survey of methods of marketing perishable farm products of Maryland, by P. F. Brookens.

Appendix B is: Marketing and distribution of home-grown fruits and vegetables in Baltimore, Md., by T. B. Thompson.

Boston. City Planning Board. Market Advisory Committee. A summary of the market situation in Boston. Preliminary report, 1915.
Boston, 1916. 175 p. Document 118.
Bibliography compiled by C. C. Williamson, librarian, Municipal Reference Library, New York City: p. 143-170.
Boyle, J. E. Agricultural economics. Philadelphia, Chicago, etc., Lippincott, 1921. 448 p. References at end of chapters.
Ch. 9, Marketing and the middelman: p. 130-157; ch. 10, Cooperation: p. 158-173; ch. 12, Transportation: p. 188-204; ch. 14, Cold storage p. 214-224; ch. 17, Speculation: p. 262-278; ch. 22, The grain trade: p. 337-364; ch. 23, Livestock and meat industry: p. 365-392.

Marketing of agricultural products. In Amer. Econ. Rev. vol. 11, no. 2, June, 1921, p. 207-213.

207-213.

Brace, H. H. The value of organized speculation.
Boston and N. Y., Houghton Mifflin, 1913, 290

BRAND, C. J. Distribution of agricultural products and the function of produce exchanges. ucts and the function of produce exchanges. In Amer. problems of reconstruction, edited by E. M. Friedman. N. Y., E. P. Dutton & Co., 1918, p. 217-231.

—. Production and marketing plans for next

— Production and marketing plans for next year. In Amer. Acad. Polit. and Social Sci. Annals, vol. 74, Nov., 1917, p. 164-181.

— The vital concern of agriculture in foreign trade. In Amer. Acad. Polit. and Social Sci. Annals, vol. 83, May, 1919, p. 35-47.

Brooks, T. J. Markets and rural economics; science of commerce and distribution. An investigation of agricultural production and the economics of distribution; cooperation in marketing; rural credits; agencies of impending change; present conditions and tendencies; future possibilities and opportunities. N. Y., The Shakespeare Press, 1914 307 p.

Bibliography: p. 381-384.

CAMP, W. R. Forms of organization for county and state farm bureau exchanges in California. Berkeley, Calif., Agr. Exp. Sta., 1921. 43 p.

Berkeley, Calif., Agr. Exp. Sta., 1921. 43 p. CANADA. PARLIAMENT. HOUSE OF COMMONS. SELECT SPECIAL COMMITTEE TO INQUIRE INTO AGRICULTURAL CONDITIONS. Proceedings. Proceedings. (Revised.) Ottawa, 1924. 2 vols.

CANADIAN PRODUCE ASSOCIATION, MONTREAL.
Annual convention.
U. S. Dept. of Agr. Library has 5th and 6th, 1917-1918.

Contain brief articles on marketing.

Contain brief articles on marketing.

CAPE OF GOOD HOPE. PARLIAMENT. HOUSE.

SELECT COMMITTEE ON COLD STORAGE. Report.. May, 1905. Cape Town, Cape Times itd., 1905. 177 p.

The evidence deals with other problems of marketing as well as storage.

CARD, F. W. Farm management, including business accounts, suggestions for watching markets, time to market various products, adaptation to local conditions, etc. N. Y., Doubleday, Page & Co., 1907. 270 p.

CARVER, T. N., comp. Selected readings in rural economics. Boston, N. Y., etc., Ginn & Co., 1916. 974 p.

1916. 974 p. Part 7 has title: Rural organization and marketing.

CHICAGO. MUNICIPAL MARKETS COMMISSION.
Chicago municipal markets commission, appointed by Mayor Harrison to make a comprehension to make a comprehensi pointed by Mayor Harrison to make a comprehensive study and report on the subject of municipal markets and other agencies. Chicago, 1914. 54 p.

An investigation of the transportation and marketing of food, with particular attention to the market facilities of Chicago.

CLARK, A. L. Modern market methods. N. J. Dept. Agr., Bul. 7. 1917.

CLARK, F. E. Criteria of marketing efficiency. In Amer. Econ. Rev. vol. 11, no 2, June, 1921, p. 214-220.

Macmillan, 1922. 570 p. Chapters 3, 4, 5 deal with the marketing of farm products.

— Readings in marketing. N. Y., Macmillan, 1924. 705 p.

Contains express chapters.

Contains several chapters on the marketing

of agricultural products.

of agricultural products.

COLE, E. W. Fundamental principles in marketing farm products. Austin, Tex., Dept. Agr., Marketing Div., 1921.

COLLINS, J. H. A study of marketing conditions in the Salt River Valley, Arizona. Ariz. Agr. Exp. Sta. Bul. 85, 1918.

Comish, N. H. The standard of living: Elements of consumption. N. Y., Macmillan, 1923.

Ch. 14. Buying goods directly from farmers: p. 195-211; ch. 15, Buying goods from middlemen: p. 212-228; ch. 16, Buying goods cooper-

men: p. 212-228; ch. 16, Buying goods cooperatively: p. 229-249.

Although these chapters are written primarily for the consumer, they are of interest also to the student of marketing methods.

CONVERSE, P. D. Marketing methods and policies. N. Y., Prentice-Hall, 1921. 650 p.

COPELAND, M. T. Problems in marketing. 2d ed. Chicago and N. Y., A. W. Shaw Co., 1923.

Takes up the general subject of marketing. Some of the problems are on the marketing of farm produce.

CORN EXCHANGE NATIONAL BANK, PHILADEL-PHIA. Corn show and agricultural conference. Philadelphia, Dec. 4-6, 1913. Philadelphia, 1914. 269 p.

1914. 269 p.
Partial contents: Watts, R. L., Market conditions: p. 29-35. Benjamin, E. W., Problems in marketing eggs: p. 44-53. Opperman, C. L., Problems in marketing eggs: p. 54-59. Kins, C. L., City-country unity through market bureaus: p. 60-67. Williams, J. R., The economics of the milk question: p. 73-80. Carver, T. N., The rural organization service: p. 95-107, Miller, C. O., Necessity for terminal markets: p. 120-126. Pennington, M. E., Results of rail-road concertation in transportation of farm p. 120-126. Pennington, M. E., Results of rallroad cooperation in transportation of farm
products: p. 130-136. Horne, F. A., Cold
storage: p. 137-144. Wescott, N. P., The work
of a produce exchange: p. 204-214.
Cox, A. B. Cost of production; its relation to
price. Tex. Agr. Exp. Sta Circ. 26. 1920.
CRISSEY, FORREST. The story of foods. Chicago
and N. Y., Rand, McNally & Co., 1917. 501 p.
Reprinted in part from the Saturday Evening.

Reprinted in part from the Saturday Evening

Post.
"This graphic story deals especially with the human agencies concerned in the production preparation, and distribution of foods." Chapters are devoted to the work of the retailer and wholesaler.

DAVENPORT. VENPORT, EUGENE. The relation between yields and prices. Ill. Agr. Exp. Sta. Cir. 177. 1914.

DAVIS, I. G., and STORRS, B. P. Market grades and terms. Conn. Agr. Col. Ext. Serv. Bul. 34. 1921.

Deagan, J. F. Modern marketing methods. Md. Agr. Soc. Rept., vol. 5, 1920, p. 285-295

DEWEY, T. H. Legislation against speculation and gambling in the forms of trade, including "futures", "options" and "short sales." N. Y., Voorhis & Co., 1905. 71 p.

N. Y., Voorhis & Co., 1905. 71 p.

DUNCAN, C. S. Marketing; its problems and methods. N. Y., D. Appleton & Co., 1920.

500 p.
Bibliography at end of each chapter.
Pt. 1 is entitled Raw Materials and Food-

DUNLAP, R. B., and others. Adjusting production to meet home market demands in Blair County, Pennsylvania. Pa. Agr. Exp. Sta. Bul. 184. 1924

"This report presents the results of a food consumption survey of Altoona, Pa., with special reference to the quantity consumed, sources of supply, manner of marketing, and methods of transportation."

EMERY, H. C. Speculation on the stock and produce exchanges of the United States. Columbia
Univ. Studies in History Economics and
Public Law, vol. 7, no. 2. 1896.
FARMER, J. C. Marketing opportunities for New
Hampshire farmers. N. H. Dept. Agr. Rept.,

1918, p. 89-120. Also issued in separate form.

Also Issued in separate form.
FILLEY, H. C. From ear door to consumer. Nebr.
Agr. Exp. Sta. Circ. 5. 1918.
GEORGIA. STATE COLLEGE OF AGRICULTURE.
Conference on marketing Georgia farm produce.
Bul. vol. 3, no. 12, p. 150-191. 1915.
GEPHART, W. F. Grading and standardization in
marketing foods. In Amer. Acad. Polit. and
Social Sci. Annals, vol. 82, March, 1919.

p. 263-270. GILLETTE, J. M. Rura millan, 1922. 571 p. Rural sociology. N. Y., Mac-

Farmers and economic action: marketing and cooperation, p. 223–256.
References at end of chapter.

References at end of chapter.
GRAY, L. C. Introduction to agricultural economics. N. Y., Macmillan, 1924. 556 p.
Chapters 19 to 23 are on marketing. "Suggested readings" at end of chapters.
GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. COMMITTEE ON DISTRIBUTION AND PRICES OF AGRICULTURAL PRODUCE. Final report. Parliament. Papers by command.

PRICES OF AGRICULTURAL PRODUCE. Final report. Parliament. Papers by command. Cmd. 2008. 1924. 42 p.

This committee was appointed to seek means by which the disparity between the price received by the producer and that paid by the consumer could be reduced. There have been interim reports published on milk and milk products, fruit and vegetables, meat, poultry and eggs, and cereals, flour and bread.

LL, H. B. Preliminary study of the methods of handling fresh produce in Bhode Island.

and eggs, and cereas, now and pread-LL, H. B. Preliminary study of the methods of handling fresh produce in Rhode Island. R. I. Agr. Exp. Sta. Bul. 192. 1923. NEY, L. H. Integration in marketing. In Amer. Econ. Rev. vol. 10, no. 3, Sept., 1920, p. HANEY, 528-545.

A criticism of this article by L. D. H. Weld is in the Amer. Econ. Rev. vol. 11, no. 1, March, 1921, p. 93-97. The criticism is refuted by the author in the Sept., 1921, issue, vol. 11, no. 3.

author in the Sept., 1921, issue, vol. 11, no. 3, p. 487-489.

HAYS, W. M. Functions and needs of our great markets. In Amer. Acad. Polit. and Social Sci. Annals vol. 45, Jan. 1913, p. 245-262. Also issued as its publication 711.

HEDRICK, W. O. The economics of a food supply. N. Y., London, D. Appleton & Co., 1924. 336 p. Ch. 7: Food distribution or marketing; ch. 8: Middlemen and markets; ch. 9: Food trades. HIBBARD, B. H. Effects of the great war upon agriculture in the United States and Great Britain. N. Y., 1919. 232 p. (Preliminary economic study of the war, ed. by David Kinley, no. 11.)

economic study of the war, ed. by David Kin-ley, no. 11.)

Marketing: p. 91-99. Deals chiefly with the work of the Federal Bureau of Markets.

Marketing agricultural products. N. Y., D. Appleton & Co., 1921. 389 p.

References at end of most of the chapters.

Marketing as a problem for farm demon-strators. In Jour. Farm Econ., vol. 2, no. 4, Oct.

1920, p. 194-199.

— and Hobson, Asher. Marketing farm produce by parcel post and express. In Amer. Econ. Rev. vol. 6, no. 3, Sept., 1916, p. 589-608. Higgins, W. W. Marketing farm products. Vt.

Dept. Agr. Bul. 17. 1914. HOBSON, ASHER. The advantages of market

Hobson, Asher. The advantages of market grades to the producer. Wash. (State) Office Farm Markets. Circ. 19. 1918.

Howe, F. C. The high cost of living. N. Y., Charles Scribner's Sons, 1917.

Ch. 4: Gambling in wheat; ch. 5: The packers and the cattlemen; ch. 6: Cold storage and food speculation; ch. 7: The middlemen and distributors; ch. 14: From producer to consumer.

HUEBNER, G. G. Agricultural commerce; the organization of American commerce in agricultural commodities. New ed., rev. and enl. N. Y. and London, D. Appleton & Co., 1924. 529 p. 529 p.

Hughes, H. J. Marketing problems of Minnesota farmers. Minn. Dept. Agr. Bul. 11. 1920. IDAHO. DEPT. OF AGRICULTURE. Official grades for

the standardization of Idaho farm products, 1922. Boise, 1922. 67 p.
Official grades for fruits, potatoes, hay, and grain are defined, and bonded-warehouse act rules and regulations, effective July 3, 1922, are

rites and regarding given.

IVEY, P. W. Principles of marketing; a textbook for colleges and schools of business administration. N. Y., Ronald Press Co., 1921. 351 p. "Collateral reading:" p. 333-339.

Chs. 19 and 20 are on marketing agricultural

JENNESS, O. B. Marketing farm products. Ky. Col. Agr. Ext. Div. Circ. 130. 1922. Eleven lessons prepared especially for boys' and girls' clubs.

and girls' clubs.

JONES, H. H. Marketing problems in New York
City. N. Y. (State) Dept, Farms and Markets.
Div. Agr. Bul. 128. 1920. p. 17-29.

KEATINGE, G. Rural economy in the Bombay
Deccan. London, N. Y., etc., Longmans,
Green & Co., 1912. 212 p.
Ch. 11, Markets and prices: p. 146-164.

KING, C. | Can the cost of distributing food
produc 'e reduced? In Amer. Acad. Polit.
and Sc | Sci. Annals, vol. 48, July, 1913,
p. 199-224. p. 199-224.

Lower living costs in cities. N. Y., 1915. 355 p.

— Lower living costs in cities. N. Y., 1915.

355 p.
Pt. 2, Urban food costs, deals with various marketing problems affecting the price of food.

— A study of trolley light freight service and Philadelphia markets in their bearing on the cost of farm produce. Philadelphia, 1912. 58 p.
LIVINGSTON, GEORGE. Some fundamental problems in marketing farm products. In Jour. Farm Econ., vol. 2, no. 2, April, 1920, p. 83-86.

LUEIN, DAVID. Direct dealing between producer and consumer. U. S. 64th Cong., 1st sess., Senate. Doc. 240. 1916.

— Food control and democracy; an article proposing the organization of chambers of agriculture to regulate the equitable distribution of farm products at fair prices both for the producer and the consumer. U. S. 65th Cong., 1st sess., Senate. Doc. 120. 1917.

— Marketing of farm products. Hearing before the Assistant Secretary of Commerce relative to the marketing of farm products in continental Europe. U. S. 63d Cong., 2d sess., Senate. Doc. 579. 1914.

— A practical national marketing organization and rural credits system for the United States. A hearing before the State department, June 21. 1915. 16 p.

tion and rural credits system for the United States. A hearing before the State department, June 21, 1915. 16 p.

MACKLIN, THEODORE. Efficient marketing for agriculture; its services, methods and agencies. N. Y., Macmillan, 1921. 419 p. (Soc. sci. text-books.)

"Selective readings" at end of chapters.

— Merchandising farm products. Wis. Col. Agr., Ext. Serv. Circ. 161. June, 1923.

— The road to better marketing. Wis. Col. Agr. Ext. Serv. Circ. 136. 1921.

MACPHERSON, HECTOR. Practical problems in rural economics. Oreg. Agr. Col. Bul. 71, pt. 2. 1911?

Marketing farm products; Ch. 3, Agricultural cooperation.

MAIN, W. H. Why not go straight to the farm with your basket. Albany, N. Y. State Dept. of Farms and Markets, Div. of Foods and Markets, 1919. 11 p.

MARSHALL, ALFRED. Industry and trade. London, Macmillen, 1920. 874 p.
Ch. 5 of Book 2 is entitled Constructive Speculation; Organized Produce Markets. Other chapters deal with problems of general marketing.

Massachusetts. Commission on Cost of Living. Report . . . May, 1910. Boston, 1910. 752 p. General Court, 1910. House Doc. 1750. Contains considerable material on marketing subjects.

MASSACHUSETTS. COMMISSION ON THE NECES-SARIES OF LIFE. Report, 1920-1923. House. Doc. 1920, no. 1500; 1921, no. 1260; 1922, no. 1400; 1923, no. 1250.

These reports contain considerable information on the market conditions in Massachusetts. tion on the market conditions in Massachusetts.

MINNESOTA. COLLEGE OF AGRICULTURE. EXTENSION DIVISION. Questions and answers on
marketing; from the eleventh annual extension
conference, November 19-20, 1923. Minneapolis, 1924. 43 p.
These questions were asked by the extension
workers at the conference and were "discussed
by persons especially selected for the purpose."
Many of the questions are about cooperative
organizations.

MISSISSIPPL. AGRICULTURAL AND MECHANICAL

MISSISSIPPI, AGRICULTURAL AND MECHANICAL COLLEGE. DEPT. OF MARKETS AND RURAL ECONOMICS. The business side of farming. 1914. 48 p.

NATIONAL AGRICULTURAL CONFERENCE, Jan. 23—27, 1922. Report . . . U. S., 67th Cong., 2d sess., House. Doc. 195.

NATIONAL ASSOCIATION OF STATE MARKETING

Officials. Proceedings of annual convention,

TIONAL ASSOCIATION OF STATE MARKETING OPFICIALS. Proceedings of annual convention, 1st-5th, 1920-1920, issued in Foods and Markets, Feb., 1920, vol. 2, no. 18. Published by N. Y. State Dept. of Farms and Markets. 2d-5th published by the association.

Contents: 1st: Porter, E. H. National economic problems: p. 3-12; Burger, O. F. Diseases of fruit and causes of deterioration in transit: p. 12-15; Downing, F. P. Standard containers for marketing fruits and vegetables: p. 16-21; Meier, F. C. Concerning spoilage of vegetables in transit and storage: p. 22-25; Constitution and by-laws: p. 26-28; Reports of committees: p. 29-39. 2d. A national marketing platform: p. 1-2; Porter, E. H. Needs of present day marketing: p. 3-13; Professor Warren presents views on marketing: p. 13-19; Gilbert, J. C. The lealtionship between state and national bureaus of markets p. 19-23; Potts, R. C. Status of excititive for the state and national bureaus of markets in the state

relationship between state and national bilireaus of markets; p. 19–23; Potts, R. C. Status of activities of milk producers' marketing associations: p. 23–24; Relationship of the American federation of farm bureaus to the National association of State marketing officials: p. 24–

association of state marketing officials: p. 24-26; Official minutes and reports of committees: p. 26-30.

3d. Samson, H. W. Important factors in determining standard grades for fruits and vegetables: p. 3-10; Read, F. W. Standardization and inspection service as it has developed.

regetables: p. 3-10; Read, F. W. Standardization and inspection service as it has developed in California: p. 10-18; Estabrook, L. M. Relation of the government crop reports to marketing: p. 18-24; The packers and stockyards act: p. 24-28; Future plans of the United States bureau of markets and crop estimates: p. 28-32; Gustafson, C. H. Problems facing cooperative marketing organizations and suggestions for their solution: p. 32-37; Macklin, Theodore. The function of the college marketing course in relation to marketing problems: p. 37-42; Reports of committees: p. 42-7.
4th. Heaton, E. B. Milk marketing problems: p. 8-13; Boyle, J. E. Relation of city demand to the marketing of farm products: p. 13-17; Schoyer, A. M. Problems in the movement of perishable freight: p. 17-22; Green, A. L. Cooperation between railroads and the state bureaus of markets: p. 22-77; Chaney, A. U. Policies that have made the American cranberry exchange successful: p. 27-30; Burritt, M. C. Relation of extension service to the service and regulatory work of state and national bureaus of markets: p. 30-37; Schoenfeld, W. A. Development of marketing research: p. 37-41; Reports by committees and official minutes: p. 42-49.
5th. Tenny, L. S. Development and growth of cooperative marketing: p. 14-24; Petect, Walton. Forms and business management of cooperative marketing: p. 25-35; Grimes, I. C. Cooperative marketing of livestock: p. 36-38; Taylor, H. C. Position of the federal

bureau in regard to cooperative marketing:
p. 38-40; Weld, L. D. H. Recent developments in marketing: p. 40-41; Hedden, W. P. Some results of terminal market studies:
p. 42-47; Branch, G. V. The Detroit public markets: p. 47-50; Reports of committees and official minutes: p. 51-70.

NATIONAL LEAGUE OF COMMISSION MERCHANTS OF THE UNITED STATES. Annual convention
... Official proceedings.
U. S. Dept. Agr. Library has 19th-31st, 1911-1923.

1923.

1923.
These proceedings contain considerable discussion of marketing problems, especially those of fransportation and terminal facilities.
NATIONAL MUNICIPAL LEAGUE. COMMITTEE ON PUBLIC MARKETS. The relation of the city to its food supply; report of a committee of the National municipal league, November 19, 1914, by Clyde Lyndon King, chairman, and others. Philadelphia, 1915. 75 p.
NATIONAL NON-PARTISAN LEAGUE. Facts for the farmer on conditions vitally important to him

TIONAL NON-FARTISAN LEAGUE. Facts for the farmer on conditions vitally important to him as producer and to the wage worker as consumer. (Minnesota handbook) St. Paul, 1917. 133 p. Contains the following articles: Grain and Milling Combine, Butter and Egg Market Manipulation, and The Big Packers' Methods and Profits. and Profits.

New Jersey. Dept. of Agriculture. Modern market methods. Bul. 7. 1917.

Report of the marketing conference held by the Bureau of Markets of the State Dept. of Agriculture. In Bul. no. 23, p. 191-252; no. 27, p. 147-215; no. 30, p. 123-162. 1920-1922.

These reports contain addresses on various phases of marketing.

Some activities of the State Bureau of Mar-

New York (State). Committee on Speculation in Securities and Commodities. Report of Governor Hughes' Committee on speculation in securities and commodities. June 7, 1909.

New York (State). Dept. of Farms and Markets. Division of Agriculture. Agricultural manual of New York State, arranged by counties, including maps, historical data, facts relating to production and marketing and general items of interest. Bul. 133. 1922.

Under each county there is a brief description of transportation facilities and available markets.

markets.

NEW YORK (STATE). GOVERNOR'S MARKET COM-New York (STATE). Governor's Market Com-mission. Joint report on foods and markets of Governor Whitman's market commission, Mayor Mitchel's food-supply committee, and the Wicks legislative committee. Albany, NOURSE, E. G. Agricultural economics; a selection of materials in which economic principles are applied to the practice of agriculture. Chicago, University of Chicago Press, 1916. 896 p. Ch. 9, Market methods and problems: p. 489-565; ch. 10, Transportation and storage facilities as factors in the marketing of farm products: p. 566-613.

facilities as factors in the marketing of farm products: p. 566-613.

—. The Chicago produce market. Boston and N. Y., Houghton Mifflin, 1918. 304 p.
Bibliography: p. 291-295.

—. Outlines of agricultural economics: a classbook of questions and problems. Chicago, University of Chicago Press, 1917. 95 p.

"To accompany Agricultural Economics."
Ch. 9, Market methods and problems; ch. 10. Transportation and storage facilities as face.

Ch. 9, Market methods and problems; ch. 10, Transportation and storage facilities as factors in the marketing of farm products.

— Proper sphere of governmental regulation in connection with the marketing of farm products. In Amer. Econ. Rev. vol. 13, no. 1, Mar. 1923 suppl. p. 198-219.

PINE STATE OF THE STATE OF THE CONGRESS, SECOND. WASHINGTON. Proceedings. Section III. Conservation of natural resources, Subsection 7, Marketing and distribution of agricultural products. vol. 3. Washington, 1917.

PENNSYLVANIA. DEPT. OF AGRICULTURE. BU-REAU OF MARKETS. Standard grades for apples, eggs, potatoes, corn, wheat, oats, hay and straw. Adopted January, 1918. Bul. 303. 1918. PORTER, E. H. Constructive economic policies. Albany, N. Y. (State) Dept. of Farms and Markets, Div. of Foods and Markets, 1921.

17 p.
Presents plans for improving marketing conditions in New York State

—. Has the Foods and markets department of the Farms and markets council been of any use to a fruit grower or farmer in a sale of his produce? In N. Y. State Hort. Soc. Proc. 1919, uce?

p. 93-106.

Needs of present day marketing. Albany, N. Y. (State) Dept. of Farms and Markets, Div. of Foods and Markets, 1920? 16 p.

Problems of food distribution. Albany, N. Y. (State) Dept. of Farms and Markets, Div. of Foods and Markets, 1920. 13 p.

Some market problems. N. Y. State Dept. of Farms and Markets. Div. of Agr. Bul.

124, 1919, p. 22-32.

Also issued in separate form.

Powell, G. H. Regulation of the perishable food industries after the war. In Amer. Acad. Polit. and Soc. Sci. Annals, vol. 82, Mar., 1919, p. 183-188.

PTREE, B. A. Department of farms and markets.

In N. Y. State Hort. Soc. Proc., 1922, p. 224-235.

ROBERTS, G. E., ed. Marketing. N. Y., Amer.

Chamber of Econ., inc., 1922. 76p. (Economics for executives. VI.)

This is one of a series of study units designed as a practical interpretation of the underlying principles of economics and business. Marketing is analyzed here as a system functioning to make adjustments according to consumers' de-mands in the place, time, quality, and quantity

mands in the place, time, quality, and quantity of goods offered for sale.

ROGERS, A. G. L. Business side of agriculture. London, Methuen & Co., 1904. 163 p.

Ross, A. B. The point of origin plan for marketing. In Amer. Acad. Polit. and Soc. Sci. Annals, vol. 74, Nov., 1917, p. 206-210.

— Readjustments in the retail grocery business. In Amer. Acad. Polit. and Soc. Sci. Annals, vol. 82, Mar., 1919, p. 11-18.

RUHLAND, G. 'The ruin of the world's agriculture and trade. International factitious dealings in "futures" of agricultural produce and silver with their effect on prices. London, S. Low, Marston & Co., 102, 1806. 66 p.

RULE, A. R. National marketing problems. In Trans. of the Peninsula Hort. Soc., 1922, p. 113-119.

113-119.

Trans. of the Feminsula Hort. Soc., 1922, p. 113-119.

Seibels, W. T. Produce markets and marketing. Chicago, Produce Markets and Marketing, 1911. 290 p.

Seiby, H. W. The value of a market news service to farmers and fruit growers. Mass. State Bd. Agr. Circ. 76. 1918.

Slooum, Grann. How to market farm products for profit. Detroit, 1912. 64 p.

Smith, C. W. International, commercial, and financial gambling in "options and futures" (marchés à terme): the economic ruin of the world. London, P. S. King & Son, 1906. 339 p.

Smith, J. G. Organized produce markets. London, N. Y., Longmans, Green & Co., 1922. 238 p.

SOUTHERN RAILWAY COMPANY. FREIGHT TRAFFIC DEPT. Marketing southern products of the soil.

Deft. Marketing southern products of the soil.
Atlanta, Ga., 1914. 40° p.
SOUTHERN STATES ASSOCIATION OF MARKETS.
Proceedings of the 1st meeting. Tex. Dept.
Agr. Bul. 36. 1914.

TARMAN, G. C., and LEER, LAWRENCE. The producer's marketing guide. New Paris, Ind.,
Producer's Marketing Guide Co., 1915. 53 p.
TAYLOR, H. C. Agricultural economics. N. Y.,
Macmillan, 1919. 439 p.
Marketing farm products: p. 352-356; The
farmer and the middleman: p. 357-365.

—. The prices of farm products. Wis. Agr.
Exp. Sta. Bul. 209. 1911.
Relation between supply and prices.

TENNESSEE UNIVERSITY. COLLEGE OF AGRICULTURE. DIVISION OF EXTENSION. Catalogue of lantern slides. Marketing. Comp. by Elizabeth Moreland. Publication 111. 1922.

OMAS, T. G. The first aid to shipping fruits, vegetables, butter. eggs, and game, for profit, to market. Houston, Tex., 1910. 98 p.

THORNE, CLIFFORD. Organized agriculture and its problems. Production, transportation, marketing ... Springfield, Illinois Farmers' Institute, 1922. 18 p.

Reing . . . . Springheid, Jihnos Farmers Institute, 1922. 18 p.

U. S. Department of Agri ulture.
Agricultural economics. 1922. Mimeographed.
Contents.—Taylor, H. C. The field of agricultural economics; Forster, G. W. Organization for production; Erdman, H. E. Cost of production and distribution; Gray, L. C. Land problems of the new era; Murray, N. C. Prices of farm products; Stine, O. C. Agricultural readjustments; Baker, O. E. Agricultural regography; Valgren, V. N. Short-time or personal credit for farmers; Hibbard, B. H. Farmer movements and marketing; Macklin, Theodore. Marketing functions; Sherman, W. A. Market inspection of perishable products; Wheeler, W. A. Market news service and information; Callander, W. F. Agricultural competition and demand; Morrill, C. Agricultural legislation; Taylor, H. C. Extension service in agricultural economics; Galpin, C. J. The sociology of farm populations; Samson, H. W. The standardization of farm products; Powell, G. H. Fundamentals of cooperative marketing.

Powch, G. H. Fundamentals of cooperative marketing.

Andrews, Frank. Methods and costs of marketing. In Yearbook, 1909, p. 161-172.

—. The reduction of waste in marketing. In Yearbook, 1911, p. 165-176.

Discusses the carload lot as a unit of shipment, freight service, demand and supply, and

ment, freight service, demand and supply, and systematic distribution.

Bassett, C. E. Teamwork between the farmer and his agent. In Yearbook, 1917, p. 321-325.

Brann, C. J. Marketing by parcel post. In Farmers' Bul. 611, 1914, p. 16-23.

The work of the Office of markets and rural organization. Markets Doc. 1. 1915.

FIRE, G. B. How to use market stations. In Yearbook, 1919, p. 94-114.

FLOHR, L. B., and MORE, C. T. Suggestions for parcel post marketing. Farmers' Bul. 703.

Rev. 1918.

Rev. 1918.

HAWBAKER, C. C., and LAW, J. W. Parcel post business methods. Farmers' Bul. 922. 1918.

HILL, G. G. Marketing farm produce. Farmers' Bul. 62. Rev. ed. 1903.

HITCHCOCK, F. H. Foreign markets for American agricultural products. Report 67. 1901.

Testimony relating to the preparation of dairy products, grain, and cotton for export.

HOLMES, G. K. Consumers' fancies. In Yearbook, 1904, p. 417-434.

Systems of marketing farm products and the demand for such products at trade centers.

the demand for such products at trade centers. Report 98. 1913. KNAPP, BRADFORD. Marketing and purchasing demonstrations in the South. In Yearbook,

1919, p. 205-222.

1919, D. 205-222.
The market systems of the country, their usages and abuses. Report, 1870, p. 241-254.
MONTGOMERY, E. G., and LUEDTKE, C. L. The farmers' interest in foreign markets. In Yearbook, 1920, p. 495-503.
Report of the Chief of the Bureau of Agricultural Economics, 1923.
On July 1, 1922. the Bureau of Markets and

On July 1, 1922, the Bureau of Markets and Crop Estimates was combined with the Office of Farm Management and Farm Economics. The resulting consolidation is known as the Bureau of Agricultural Economics.

Report of the Chief of the Bureau of Markets,

1921 not issued.

For later issues see the Report of the Chief of the Bureau of Agricultural Economics. Rules and regulations of the Secretary of Agri-

culture under the food products inspection law of May 11, 1922. Off. Sec. Circ. 160. 1922. These rules supersede all previous issues.

U. S. DEPARTMENT OF AGRICULTURE—Contd.
SCOPIELD, C. S. The economics of crop disposal.
Bur. of Plant Indus. Circ. 118. 1913, p. 3-10.
WHEELER, W. A., and GEORGE, FRANK. Know
your markets. In Yearbook, 1920, p. 127-146.
Stresses the importance of studying market

WILCOX, E. V. How Hawaii helps her farmers to market their produce. In Yearbook, 1915,

p. 131-146.
U. S. DEPARTMENT OF COMMERCE. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. Market methods and trade usages in London. Special

U. S. CONGRESS. JOINT COMMISSION OF AGRICULTURAL INQUIRY. Agricultural inquiry. Hearing... U. S., 67th Cong., 1st sess. 921. Pts. 1-23 Pts. 1-23.

Less 1-25. — Report. Pt. 4, Marketing and distribution. U. S., 67th Cong., 1st sess., House Rept. 408. 1922.

Chapters are devoted to the topics of marketing, grain, fruits, and vegetables, wool, crop movement and markets, conversion or processing, wholesale distribution, retail distribution. total cost of distributing certain com-

cessing, wholesale distribution, retail distribution, total cost of distributing certain commodities, cooperative marketing, and the marketing and related activities in the Bureau of Agricultural Economics of the U. S. Department of Agricultural Economics of the U. S. CONGRESS. JOINT COMMITTEE ON AGRICULTURE AND FORESTRY. National chamber of agriculture. Hearing.. on S. 5973 and H. J. Res. 100. U. S. 64th Cong., 1st sess. 1916. U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Food production and conservation. Hearings... on H. J. Res. 75, H. R. 4125, H. R. 4188, and H. R. 4630, relative to the production, distribution, and conservation of food supplies. U. S., 65th Cong., 1st sess. May 1, 2, 8, 9, 11, 14, 16, 18, 29, and June 11, 1917. 10 pts.

— McNary-Haugen export bill. Hearings... on H. R. 5563, a bill declaring an emergency in respect to certain agricultural commodities and to promote equality between agricultural commodities and other commodities. U. S., 68th Cong., 1st sess. Jan.-Mar. 1924. Serial E.

— Marketing of farm products. Hearing before the Committee on Agriculture

Marketing of farm products. Hearing before the Committee on Agriculture . . . on H. J. Res. 344 for a national marketing commission. U. S., 63d Cong., 2d sess. Sept. 14,

This is a statement of David Lubin in which e discusses the Landwirtschaftsrat of he discusses the

he Giscussed Germany.

— Norris-Sinclair marketing bill. new.

— Norris-Sinclair marketing bill. new.

ings . . on H. R. 2659 by Mr. Sinclair, to

provide for the purchase and sale of farm

broducts. U. S., 68th Cong., 1st sess. Serial

S. Congress. House. Committee on Banking and Currency. A plan to have the government directly finance the export of farm staples, surplus wheat and wheat flour, potatoes, cotton, wool, meat and meat products, dairy and dairy products, and tobacco to Europe, and assume all the responsibility therefor. Hearing. Friday, Jan. 7, 1921. Statement of Mr. Benjamin C. Marsh. U.S., 66th Cong., 3d sess. 1921.

U.S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Control and distribution of food supplies. Hearings. relative to S. 2463. U.S., 65th Cong., 1st sess. 1917.

— Farmers' export financing corporation. Hearing... on S. 1915. A bill to provide for the purchase of farm products in the United States, to sell the same in foreign countries. U.S., 67th Cong., 1st sess. June 20-24, 27, and 29, 1921. staples, surplus wheat and wheat flour, pota-

29, 1921.

Production and conservation of food supplies. Hearing . . . relative to the proposal for increasing the production, improving the distribution and promoting the conservation of food supplies in the United States. U. S., 65th Cong., 1st sess. 1917.

—. Providing for the purchase and sale of farm products. Hearings... on S. 4050. U. S., 67th Cong., 4th sess. 1922.

U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Purchase and sale of farm products. Hearings . . . on S. 1642; A bill to provide for the purchase and sale of farm products; and S. 2012; A bill declaring an emergency in respect of certain agricultural commodities, to promote equality between agricultural commodities and other commodities . . U. S., 68th Cong., Ist sess., Jan. 7-10, 17-19, 22, 23 and 26, 1924.
U. S. FEDERAL TRADE COMMISSION. Food investigation. Report on the wholesale marketing of food. June 30, 1919. Washington, Govt. print. off. 1920. 268 p.
U. S. INDUSTRIAL COMMISSION. Report . . . on agriculture. Reports, vol. 10 and 11. 1901. These two volumes give considerable testimony on marketing practices. Review of evidence also contains section on marketing farm products.

products.

Report . . . on the distribution of farm products. Reports, vol. 6. 1901.
U.S. INTERSTATE COMMERCE COMMISSION. Movement of products of northwest Pacific States. Letter from the chairman of the Interstate com-Letter from the chairman of the Interstate commerce commission transmitting a report concerning the adequacy of transportation facilities in 1922 for the movement of the products of the northwest Pacific States. U. S., 68th Cong., 1st sess. Senate. Doc. 35. Feb. 7, 1924.
Although about 5 pages are devoted to the transportation of the apple crop, potatoes, forest products, grain, hay, and other agricultural products are carefully considered.

VAN ANTWERP, W. C. The stock exchange from within. Garden City, N. Y., Doubleday, Page & Co., 1913. 459 p.

VENN, J. A. Foundations of agricultural economics. Cambridge, University Press, 1923
Chs. 11-12, entitled Markets and Marketing, give a historical sketch of marketing conditions in England from the time of the fairs to the present time.

WALDMAN, LOUIS. Food and the people. The problem of the high cost of living in the New York legislature. N. Y., Rand School of Soc. Sci., 1918, 45 p.

This pamphlet is written to show that a "comprehensive system of food distribution, such as is found in the Socialist measure (in the New York legislature) is essential for the solution of the problem of the high cost of living . . ." WARREN, G. F. Prices of farm products . . In Jour. Farm Econ. vol. 2, no. 2, Apr., 1920, p.

61-69.

The relation of farm management and mar-

Action of the management and marketing to economies. In Jour. Farm Econ. vol. 4, no. 3, July, 1922, p. 152-153.

WATSON, J. J. Marketing activities of Alabama extension service. Ala. Polytechnic Inst. Ext. Serv. Circ. 25.

WELD, L. D. H. The marketing of farm products.

N. Y., Macmillan, 1916. 483 p.

Bibliography: p. 467-476.

Middleman a necossity. In Kans. State
Bd. Agr. 21st Biennial Rept., 1917 and 1918,
p. 58-67.

. Studies in the marketing of farm products. Minn. Univ. Studies in the Soc. Sciences.

4. 1915.
Contents: Weld, L. D. H. Market distribution: p. 1-14; Warner, K. F. Marketing of livestock products in Minnesota: p. 15-38; Jesness, O. B. Cooperative potato marketing in Minnesota: p. 39-56; Thompson, S. H. Marketing of Minnesota poultry: p. 57-52; Cavert, W. L. Milk distribution in Minneapolis and St. Paul: p. 73-87; Peterson, R. M. Minneapolis Central city market: p. 88-95; Weld, L. D. H. Cooperative marketing of grain in Western Canada: p. 96-108; Weld, L. D. H. Food supply of the Iron Range: p. 109-113.

WEST, H. H. Parcel post profit from farm produce. Rockford, Ill., 1915. 31 p.

Rockford, Ill., 1915. 3i p.

WHITE, PERCIVAL, and HAYWARD, W. S. Marketing practice. Garden City, N. Y., Doubleday, Page & Co., 1924. 577 p.

WILCOX, E. V., and LONGLEY, A. T. An experiment in marketing under territorial auspices. Hawaii. Agr. Exp. Sta. Press Bul. 45. 1914.

YOAKUM, B. F. The high cost of marketing. Address at meeting of Texas farmers' congress, at College, Tex., July 26, 1911. In Tex. Farmers' Cong. Proc. 1911, p. 40-45.

#### BIBLIOGRAPHIES

BRITISH LIBRARY OF POLITICAL SCIENCE. Bibli-

BRITISH LIBRARY OF POLITICAL SCIENCE. Bibliography on marketing ... Bul. 15, Aug., 1921, p. 19-22.

BURDICK, R. T. Marketing references. 1923. 20 p. Mimeographed.

GERICKE, M. L. Selected list of references on rural economics and sociology, 1913-1921. In Assoc.

Land-grant Colleges. Proc. 35th, 1921, p. 70-89.

Cooperation: p. 78-74. Marketing: p. 78-81.

MACKLIN, THEODORE. A selected list of marketing bulleting. In Jun. Fearm Feon. vol. 4, no. 3.

bulletins ... In Jour. Farm Econ. vol. 4, no. 3, July, 1922, p. 177-179.

MASSACHUSETTS. AGRICULTURAL COLLEGE. EX-TENSION SERVICE. Good references on market-ing farm products. Library leafest 12. NEW YORK (CITY) MUNICIPAL REFERENCE LIBRARY. Markets and marketing. A

marketing. A

selected list of references in the New York municipal reference library (Supplementing that of Feb. 1, 1918) Comp. by Ernest W. Chapin. Dec. 6, 1923. 3p. Typewritten.

U. S. LIBRARY OF CONGRESS. DIVISION OF BIBLI-OGRAPHY. Select list of references on abattoirs. markets, marketing, and distribution of food products. 1912? 8p. Typewritten.

Additional references on markets and marketing, comp. by Dr. Williamson, of the New York public library. 1912. 10p. Typewritten.

WISCONSIN. LEGISLATIVE REFERENCE LIBRARY.
Marketing of farm products: partial list of books
and pamphlets in Wisconsin legislative reference library. Madison, 1917. 7p. Type-

#### 2. COOPERATIVE MARKETING

AMERICAN BANKERS ASSOCIATION. STATE BANK
DIVISION. Principles and progress in cooperative marketing of farm products. 1924. 32p.
Contents: Roberts, G. E. Cooperation:
p. 3-5; Wallace, H. C. Essential principles:
p. 5; Meyer, Eugene, Management a prime
factor: p. 6-7; Factors in financing cooperative
associations: p. 7-8; Brand, C. J. Types of
organization: p. 8-9; Williams, Carl, Merchandizing versus dumping: p. 9-11; Austin, C. A.
Financing cooperatives: p. 12-13; Bradfute,
O. E. What the farmer thinks about cooperative marketing: p. 13-15; Yohe, H. S. Federally licensed warehousing: p. 15-16; Valgren,
V. N. Farm credit: p. 16-18; Report of Public

service committee: p. 18-19; Montgomery, E. G. Cooperative agriculture in Denmark: p. 19-20; Owens, J. E. Organization and the farmer: p. 20-21; Otis, D. H. Diversified farming: p. 21-22; Rule, A. R. Spirit of intercommunity cooperation: p. 22-23; Lowden, F. O. The wheat problem: p. 24-25; Corey, M. L. Relation of intermediate credit banks to state banks in financing the farmer: p. 25-26; Tenny, L. S. Cooperative marketing contracts: p. 26-27; Bingham, R. W. Scope and purpose of the National council of farmers' cooperative marketing associations: p. 28-30; McKay, L. F. A general survey of cooperative marketing achievements: p. 30-32.

AMERICAN COMMISSION TO INVESTIGATE AND STUDY AGRICULTURAL CREDIT AND COOPERATION. Agricultural cooperation and rural credit in Europe. U. S., 63d Cong., 1st sess., Senate. Doc. 214. 1913-14. 3 pts. divided into four sec

tions, on finance, production, distribution, and the organization of rural life. The Commission held hearings in each European country on various forms of agricultural cooperation, and various forms or agricultural cooperative societies, many of which were organized for marketing farm products.

Pt. 1 contains the evidence gathered in Europe

arranged by countries.
Pt. 2 is an annotated bibliography on credit and agricultural cooperation, arranged by countries. Many of the entries cite reports and

statements contained in pt. 1.
Pt. 3, entitled American Evidence, contains a brief statement regarding cooperation and rural credit in each state in the United States and in

each province in Canada.

The reports of the state delegates have not been listed separately as they contain in brief the information published in the commission's

report.

—. Agricultural cooperation and rural credit in Europe. Report of the American commis-sion. U. S., 63d Cong., 2d sess., Senate Doc. 261. 1914. 2 pts. Pt. 1, Observations; pt. 2, Minority report, observations, and recommendations.

observations, and recommendations.
Anderson, B. M. Agricultural credits and cooperative marketing. The Chase Economic Bul., issued by the Chase National Bank of New York, vol. 3, no. 3, Aug. 10, 1923.
Austin, C. B., and Wehrwein, G. S. Cooperation in agriculture, marketing, and rural credit... Tex. Univ. Ext. Ser. 60. 1914.
Ch. 2 is on cooperative marketing.
Bibliography. 19, 96-100.

Bibliography: p. 96-100.

BALLANTINE, H. W. Cooperative marketing associations. Minneapolis, Minn, 1923. 27 p.
Reprinted from 8 Minnesota law review, p.

1-27, Dec., 1923.

BASSETT, C. E. Extent and possibilities of cooperative marketing. In Minn. State Hort. Soc. Minnesota Horticulturist, vol. 47, Nov., 1919,

p. 401–406.

Black, J. D., and Price, H. B. Cooperative central marketing organization. Minn. Agr. Exp. Sta. Bul. 211. 1924.

Partial contents: Forms of organization, principal differences between types of organization.

Organization and management problems, Minnesota cooperative acts.

— and ROBOTKA, FRANK. Farmers' cooperation in Minnesota, 1913-1917. Minn. Agr. Exp. a. Bul. 184. 1919. Essentials to the success of cooperative cream-Sta. Bul. 184.

eries, elevators, livestock shipping associations, and stores.

BOMBERGER, F. B. Marketing farm products in Maryland. Md. Univ. Ext. Serv. Bul. 22. 1920.

BÓREA, D. Cooperation in the Argentine Republic. In Internat. Rev. of Agr. Econ., vol. 1, no. 1, Jan.-Mar., 1923, p. 81-117.

Amer. Assoc. Agr. Legislation. Bul. 6, 1920, p. 35-57. BOYLE, J. E. Collective bargaining in agriculture.

With discussions.

—. Organizing cooperative associations. N. Dak. Agr. Exp. Sta. Circ. 16. 1917.

CAMP, W. R. How shall farmers organize? N. C. Agr. Exp. Sta. Bul. 225. 1914.

Agr. Exp. Sta. Bul. 225. 1914.

CANCE, A. E. The farmers' cooperative exchange. Amherst, Mass., Agr. Col. Ext. Serv., 1914. 34 p.—and JEFFERSON, L. P. Farmers' cooperative corporations. Vt. Dept. Agr. Bul. 24. 1915.

CROSS, I. B. Cooperation in California. In Amer. Econ. Rev., vol. 1, no. 3, Sept., 1911, p. 535-544.

DURST, C. E. Plans of the Illinois agricultural association for cooperative marketing. In Ill. State Hort. Soc. Trans. 1920, p. 59-73.

Discussion of Mr. Durst's address, p. 73-85.

DURYEE, W. B. Farmers' selling organizations in New Jersey. N. J. Dept. Agr. Bul. 3. 1917.

ERDMAN, H. E. Commodity cooperative association—its strength and weakness. In. Jour. Farm Econ., vol. 6, no. 1, Jan., 1924, p. 106-116. Discussion, p. 117-123.

——. Organizations among Ohio farmers. Extent and nature of business and farm improvement associations. Ohio Agr. Exp. Sta. Bul. 342, 1920.

342. 1920.

342. 1920.

EYERLY, E. K. Cooperative movements among farmers. In Amer. Acad. Polit. and Soc. Sci. Annals, vol. 40, Mar., 1912, p. 58-68.

FABER, HARALD. Cooperation in Danish agriculture. London and N. Y., Longmans, Green & Co., 1918. 176 p.

Original by Hans Hertel. Contains chapters on cooperative dairy societies, cooperative slaughter houses, Danish cooperative egg export society, cooperative butter export societies, coperative scieties for purchase and sale.

THE FARMER AND THE FARMER'S WIFE. Cooperative farm marketing; how the American farmer can take over into his own lands the marketing of the products of the farm. St. Paul, Webb

can take over into his own hands the marketing of the products of the farm. St. Paul, Webb Pub. Co., 1923. 18 p.

Fay, C. R. Agricultural cooperation in the Canadian West. In Amer. Acad. Polit. and Social Sci. Annals, vol. 107, May, 1923, p. 238-247.

Cooperation at home and abroad. With

Cooperation at home and abroad. With a supplement on the progress of cooperation in the United Kingdom (1995–1918) 24 ed. London, P. S. King & Son, 1920. 447 p.
This book deals with the general subject of cooperation. Ch.9 is devoted to cooperative sale.
"Authorities," p. 432–435.
FILLEY, H. C. Cooperation. Nebr. Agr. Exp. Sta. Ext. Bul. 31. 1915.
FIANAGAN, J. A. Wholesale cooperation in Scotland: The fruits of fifty years' efforts. (1868–1918.) Glasgow, Scottish Cooperative Wholesale Society, Itd., 1920. 478 p.
Contains accounts of cooperative flour mills, creameries, and bacon factories.
FORD, JAMES. Cooperation in New England, urban and rural. N. Y., Survey Associates, inc., 1913. 237 p. (Russell Sage Foundation publications.) Pt. 2. Cooperative associations of farmers.

publications.) P. (Aussell Sage Foundation Pt. 2, Cooperative associations of farmers. Bibliography: p. 215-219.

GALLOWAY, B. T. Cooperation in agriculture and the factors that make for success. Cornell Univ. Col. Agr. Ext. Circ. 10. 1915.

GEBHARD, HANNES. Cooperation in Finland. London, Williams & Norgate, 1916. 190 p. In the section entitled Cooperative Societies for the Manufacture and Sale of their Members' Produce, societies for the sale of dairy products, eggs, corn, mill products, lumber and fish are described.

GREAT BRITAIN. ROARD, OF ACREMICATION.

described.

GREAT BRITAIN. BOARD OF AGRICULTURE AND FISHERIES. Agricultural credit and cooperation in Germany. U. S., 63d Cong., 1st sess. Senate. Doc. 17, 1913. 474 p.

Same as Report to the Board of Agricultura and Fisheries of An Enquiry into Agricultural Credit and Agricultural Cooperation in Germany. Gt. Brit. Parliament. Papers by command. Cmd. 6626. 1913.

Haggard, H. R. Rural Denmark and its iessons. London and N. Y., Longmans, Green & Co., 1917. 325 p.

Contains chapters on the Copenhagen milk-supply company, The egg export association, Cooperation in Denmark; comments on cooperation.

operation. HANLEY, R. E. A grower's marketing machine. In Jour. Farm. Econ., vol. 5, no. 3, July, 1923,

p. 147-152.

HART, F. C. Organization of cooperative marketing associations. Ontario. Dept. Agr. Cooperation and Markets Branch. Bul. 234. 1915.

Henderson, G. C. Cooperative marketing associations N. Y., 1923. 22 p.
Reprinted from Columbia Law Rev., vol. 23,

Reprinted from Continuous Law Rev., vol. 28, no. 2, Feb., 1923.

Heywood, A. B. The unit marketing system.

Tex. Dept. Agr. Bul. 48, p. 134-141. 1916.

Cooperative marketing in the Lower Rio Grande Valley.

Hibbard, B. H. Agricultural cooperation. Wis.

Agr. Exp. Sta. Bul. 238. 2d ed. rev. 1917.

HIBBARD, B. H. and HOBSON, ASHER. Cooperation in Wisconsin. Wis. Agr. Exp. Sta. Bul.

282. 1917.

HOBSON, ASUER. Farmers' cooperative associa-tions: their legal and legislative aspects. In Amer. Econ. Rev. vol. 11, no. 2, June 1921, p. 221-226.

. Fundamentals of cooperative marketing. In Jour. of Farm Econ., vol. 3, no. 1, Jan. 1921,

p. 24-29.

p. 24-29.

Howe, F. C. Denmark, a cooperative commonwealth. London, Geo. Allen & Unwin, ltd.;
N. Y., Harcourt, Brace & Co., 1921. 203 p.
Ch. 4, entitled, Cooperative Movement,
contains a brief description of the cooperative
marketing societies of Denmark.

INTERNATIONAL COOPERATIVE ALLIANCE. International cooperative bibliography. London,

1906. 276 p.
"This bibliography includes 5,761 entries.
Books, pamphlets, and periodical material in
12 languages are classified according to subject
and country."

and country."

INTERNATIONAL INSTITUTE OF AGRICULTURE,
ROME. BUREAU OF ECONOMIC AND SOCIAL
INTELLIGENCE. Canada. Cooperation for the
marketing of agricultural produce. In Internat. Rev. Agr. Econ., vol. 13, no. 7-8, JulyAug., 1922, p. 469-516 and no. 9, Sept. 1922, p.

Aug., 1922, p. 469-516 and no. 9, Sept. 1922, p. 577-610.

"Official sources": p. 469-471.

"AN. DEPT. OF AGRICULTURE AND COMMERCE. BUREAU OF AGRICULTURE. The cooperative societies of Japan. Tokyo, 1921.

This report deals with the development of the cooperative movement in Japan since about 1892. Comparative tables are given in appendixes. The societies for cooperative warehousing of agricultural products and purchase of fertilizers are said to be important.

ENESS. O. B. Cooperative marketing. Ky.

fertilizers are said to be important.

JENNESS, O. B. Cooperative marketing, Ky.
Col. Agr. Ext. Div. Circ. 115. 1922.

The cooperative marketing of farm products.
Philadelphia, London and Chicago, Lippincott, 1923. (Lippincott's farm manuals.)
Bibliography: p. 280-283.

This work undertakes to point out the fundamental principles of cooperative marketing and
describes the actual marketing of grain, butter
and cheese, milk, livestock, fruits and vegetables, cotton and tobacco, wool, poultry and
eggs. The legal aspects of cooperative organizations are treated and the actual texts of
agreements and contracts used in certain
organizations are quoted.

Plans for cooperative marketing. Ky.

organizations are quoted.

— Plans for cooperative marketing. Ky.
Col. Agr. Ext. Div. Circ. 134. 1922.
NSAS. STATE BOARD OF AGRICULTURE. Cooperation in Kansas. In 19th biennial report, KANSAS.

1110

October . . . 1922."

DYD, J. W. California methods in cooperative marketing. In Minn. State Hort. Soc. Minn. Horticulturist. vol. 47, Sept. 1919, p. 342-348.

— Cooperative and other organized methods of marketing California horticultural products. Ill. Univ. Studies in the Soc. Sciences, vol. 8, no. 1. 1919.

no. 1, 1919.

Bibliography: p. 133-137.

LUTHER, E. L., ed. Marketing farm crops. Wis. Farmers' Institute. Bul. 33. 1920.

Various practical phases of the subject of marketing as worked out cooperatively among

marketing as worked out cooperatively among Wisconsin farmers are discussed.

Macklin, Theodore. Cooperation applied to marketing by Kansas farmers. Kans. Agr. Exp. Sta. Bul. 224. 1920.

Market Wisconsin farm products by federation. Wis. Col. Agr. Ext. Serv. Special Circ. July, 1921.

Almost identical with Circular 136, p. 1-9.

Macklin, Theodore. Marketing by federations. Wis. Agr. Exp. Sta. Bul. 322, 1920. Maine. Dept. of Agriculture. Market activities in Maine. Bul. vol. 19, no. 2. 1920.

Merrit, R. P. Relation of business to cooperative marketing. An address before the Western conference of the chambers of commerce of the United States at San Francisco. Jan. 29, 1924.

Michell, Humfrey. Profit-sharing and produc-ers' cooperation in Canada. Queen's Univ. Dept. Hist. and Polit. and Econ. Sci. Bul. 26. 1918.

26. 1918.

MINNEAPOLIS. CHAMBER OF COMMERCE. Orderly marketing. Minneapolis, 1923. 8 p.

"The unfortunate position of the producer of apples, onions, potatoes, etc., as compared with the producer of wheat. The reason why the wheat producer can market the two-thirds of the graph of the first third of the grapher way with the producer. of his crop in the first third of the crop year with-

out any sacrifice in the matter of price Minnesota Farmers' Institute Annual.

NNESUTA FARMERS INSTITUTE ANNUAL. Co-operation number, no. 26. 1913. SSISSIPPI. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION DEPT. Cooperative marketing in Mississippi through county Mississippi. agents. Ext. Bul. 15. 1920. MUKHERJI, PANCHANANDAS.

The cooperative ed. Calcutta and movement in India . . . 3d ed. Calcutta Simla, Thacker, Spink & Co., 1923. 468 p

Cooperative marketing or sale of agricultural produce: p. 166-179; Causes of failure of cooperative agricultural sale societies: p. 179-182; The joint sale of produce after its preparation for market by cooperative activity: p. 182-186; Cooperative dairy and milk supplying societies: p. 186-201; Cooperative dairies in Denmark: p. 202-212

MYRICK, HERBERT. How to cooperate. N. Y., O. Judd Co., 1891. 349 p. Bibliography: p. 343-345.

NATIONAL CONFERENCE ON MARKETING AND FARM CREDITS. Proceedings 1st-4th; 1913-

Only four meetings held. Proceedings of the second conference published in newspapers only. Clippings filed in U. S. Dept. Agr.

Library.

These reports contain many articles and much discussion of marketing problems. The importance of cooperation is emphasized.

Nebraska. Deft. of Agriculture. Cooperative associations. A survey of the cooperative associations in Nebraska for the year. Bul. 108, 109, 118. 1919-1921.

 Successful cooperation. An analysis of successful cooperative companies in Nebraska. An analysis of

Bul. 111. 1921?

W YORK (STATE) DEPT. OF AGRICULTURE.

Manual on cooperation. Circ. 94. 1914.

Proceedings of the 1st annual conference of

cooperative associations. Bul. 63. 1914.

NOURSE, E. G. The outlook for cooperative marketing. In Jour. Farm Econ., vol. 4, no. 2, Apr. 1922, p. 80-91.

ONTARIO. DEPT. OF AGRICULTURE. Addresses on cooperative marketing, by Mr. Aaron Sapiro, Hon. Manning W. Doherty, Hon. E. C. Drury . . Toronto, C. W. James, printer, Drury . . . 1922. 39 p.

TARIO AGRICULTURAL AND EXPERIMENTAL UNION. Forty-third annual report. Toronto, ONTARIO

1922.
Partial contents: Erdman, H. E. Function of the middleman: p. 49-54; Doherty, M. W. Necessity of adopting cooperation in marketing agricultural products: p. 54-60; Mahony, T. J. Cooperative marketing: p. 66-71; Colquette, R. D. Cooperative methods: p. 71-75.
OREGON. AGRICULTURAL COLLEGE. EXTENSION SERVICE. Cooperative marketing; a report adopted October 27, 1922, by the Extension Service of the Oregon Agricultural College. Corvallis, Oreg. Ext. Bul. 351, Oct., 1922.

POE, CLARENCE. How farmers cooperate and double profits. N. Y., Orange Judd Co., 1915. 244 p.
"Intended as a guide-book to business co-

operation among farmers."

—. Fundamental principles of cooperation in agriculture. Calif. Agr. Exp. Sta. Circ. 222. 1920.

Fundamentals of cooperative marketing . . . Washington?, 1922. 7 p.

ATT, E. A. Agricultural organisation; its rise,

PRATT, principles and practice, abroad and at home. London, P. S. King & Son, 1912. 259 p. Includes descriptions of societies for the co-

operative sale of farm produce

operative sale of farm produce.

—. The organization of agriculture. London, John Murray, 1904. 403 p.

Describes the growth of the cooperative movement in more than twenty countries. Societies for the cooperative sale of farm produce are included.

Small holders: what they must do to succeed. London, P. S. King & Son, 1909. 247 p.

Contains chapters on combination for sale and combination for transport.

—. Traders, farmers, and agricultural organisation: An inquiry into an alleged conflict of interests. London, P. S. King & Son, 1912. The transition in agriculture. London, J.

Murray, 1906. 354 p.
Contains chapters on the marketing of fruit, poultry, and eggs, and on transportation. In each case the value of cooperative effort is

PRICE, H. B. Possibilities of improving marketing through better organization. In Jour. Farm Econ., vol. 5, no. 3, July 1923, p. 129-146.

QUEENSLAND PRODUCERS' ASSOCIATION. Cooperative marketing. Pooling of primary products. New legislation. Brisbane, 1922. 4 p.

Discussion of the Primary Products Pools' Act of 1922.

RADFORD, GEORGE. Agricultural cooperation and organisation. 2d ed., rev. London, Hodder & Stoughton, and at N. Y. and Toronto, 1917.

153 p.

RUSSELL SAGE FOUNDATION. LIBRARY. Cooperation: a selected bibliography. Bul. 48. 1921.

SANBORN, A. W. Cooperation among farmers especially in marketing. Wis. State Bd. Agr. Bul. 2. 1913.

SAPIRO, AARON. Cooperative marketing. Amer. Farm Bur. Fed. Publication no. 4. 1920.

Cooperative marketing. N.Y. State Hort. Soc. Proc., 1922, p. 88-111.

SASKATCHEWAN. DEPT. OF AGRICULTURE. Annual report of the commissioners of cooperation and markets. 1st (1914)—date.

markets. 1st (1914)—date.
1st-6th issued by the Cooperative Organisa-

tion Branch.

SHERLOCK, C. C. Modern farm cooperative move-ments. Des Moines, Homestead Co., 1922.

SMITH, G. C. Farmers' cooperative associations in Pennsylvania under the law of 1919. Pa. Dept. Agr. General Bul. 341. 1920.

SMITH-GORDON, L. E. P. Cooperation for farmers. London, Williams & Norgate, 1918. 247 p.

London, Williams & Norgaue, 1910. En p.
Bibliography: p. 235-240.
Although no separate chapters are devoted to
cooperative sales societies, they are discussed
along with other forms of cooperation.

CORDEN. CRUISE. Cooperation in

along with other forms of cooperation.

— and O'Brien, Cruiss. Cooperation in
Denmark. Manchester, Cooperative Union,
Itd., 1919. 74 p. (Internat. cooperative series 4.)
Bibliography: p. 64.
Ch 2, the Dairying industry in Denmark;
ch. 5, Types of agricultural societies.

— Cooperative Union, Itd., 1921. 92 p. (Internat.
cooperative Series 3.)

cooperative series 3.)

Bibliography: p. 85-86. Contains chapters on cooperative agricultural

EN, HERMAN. Cooperative marketing; the golden rule in agriculture. Garden City, N. Y., Doubleday, Page & Co., 1923, 366 p. (Amer Farm Bur. Federation library.)
"In this work, which is the first book by the author and also the first volume in the American County of the American Research of the Am STEEN.

action and also the Mistry, there has been brought together the most complete set of sketches and brief descriptions of American cooperative marketing companies thus far published." Theodore Macklin in Amer. Econ. Rev.

Stevenson, G. H. Market factor in farm business. Marketing—the fundamental usiness. Md. Agr. Soc. Rept., vol. 5, 1920, p. 107-124.
TAEUSCH, C. F. Rural cooperation and cooperative

marketing in Ohio, 1913. Ohio. Agr. Exp. Sta. Circ 141. 1913.

TALLERMAN, D. Markets and marketing. London, Simpkin, Marshall, Hamilton, Kent & Co, 1899, 108 p.

TENNY, L. S. Measures taken to facilitate agricultural cooperation in the U. S. In Internat Rev. Agr. Econ. Apr. 1923, p. 249-256.

THOMPSON, C. W. Marketing bureaus and cooperative laws. Mo. State Bd. Agr. Monthly Bul vol 17 no. 8, 1919, n. 8-16.

Bul. vol. 17, no. 8, 1919, p. 8-16

U. S. DEPARTMENT OF AGRICULTURE.

BASSETT, C. E., and JESNESS, O. B. Cooperative marketing—where? When? How? In Yearbook, 1917, p. 385-393.

Cooperative organization by-laws.

Bul. 541. 1918.

Suggested form of by-laws for stock and non-stock cooperative marketing associations are given, with practical information regarding organization.

—. MOOMAW, C. W., and KERR, W. H. Co-operative marketing and financing of marketing associations. In Yearbook, 1914, p. 185-210.

ing and marketing organizations among farmers in the United States. Bul. 547. 1917.
Kerr, W. H., and Nahstoll, G. A. Cooperative organization business methods. Bul. 178.

U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Curtis-Aswell cooperative marketing bill. Hearings...on H. R. 8108, by Mr. Aswell: a bill to place the agricultural industry on a sound commercial basis, to encourage agricultural cooperative associations... The Yoakum plan. U. S., 68th Cong., 1st sess, April 1, 1924. Serial W.

U. S. CONGRESS. HOUSE. COMMITTEE ON BANK-ING AND CURRENCY. Farm organizations. S. CONGRESS. HOUSE. COMMITTEE THE PRINT OF AND CURRENCY. Farm organizations. Hearings . . on a plan to have the government directly finance the export of farm staples, cuton, wool, meat and wheat flour, potatoes, cotton, wool, meat and meat products, and tobacco to Europe, and assume all the responsibility therefor. U. S., 66th Cong., 3d sess.

Farm organizations. Hearings ments by Charles A. Lyman, John A. McSparran, L. B. Jackson, Gray Silver, E. L. Harrison, and Milo D. Campbell. U. S., 66th Cong., 3d sess., Feb. 1, 1921.

(0)

U. S. CONGRESS. HOUSE. COMMITTEE ON THE JUDICIARY. Collective bargaining for farmers. Hearing . . . on H. R. 7783. U. S., 66th Cong., lst sess. Serial 7. October 28-31, 1919.

U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Farmers' cooperative organizations. Hearing . . relative to cooperative agricultural associations. U. S., 67th Cong., 4th sess., Jan. 16, 1923.

U. S. CONGRESS. SENATE. COMMITTEE ON AG-RICULTURE AND FORESTRY. Yoakum plan for agricultural relief. Hearing . . on S. 2844: a bill to place the agricultural industry on a sound commercial basis, to encourage agricul-tural cooperative associations, and for other purposes. U. S., 68th Cong., 1st sess., April 1, 1924. U. S. CONGRESS.

1, 1924.

S. Congress. Senate. Committee on the Judiciary. Authorizing association of producers of agricultural products. Hearings... on H. R. 2373. U. S., 67th Cong., 1st sess., June 2, 7, 9, 10, 11, and 20, 1921.

S. Library of Congress. Division of Bibliography. Select list of references on cooperative distribution in the United States and foreign countries. June 1, 1923. Mimeographed. graphed.

Supplementary to the Biblographie Co-opérative Internationale, published by the International Cooperative Alliance, 1906. RE, J. F. Cooperative marketing. Mont. State Col. Agr. and Mech. Arts. Ext. Serv. Publication 46. 1921.

WARMAN, RMAN, W. H. Agricultural cooperation in England and Wales. London, Williams & Norgate, 1922. 204 p.

WATKINS, D. W. Cooperative marketing of farm products. Clemson Agr. Col. Ext. Serv. Ext. Circ. 26. 1921.

WATKINS, F. S. Cooperation. A study in constructive economic reform. Ill. Univ. Bul. vol. 18, no. 28, Mar. 14, 1921.

WILSON, C. N. A system of accounts for co-operative warehouses. Wis. Div. Markets. Bul. vol. 1, no. 5, Aug. 15, 1920. WISCONSIN. STATE BOARD OF PUBLIC AFFAIRS.

WISCONSIN. STATE BOARD OF PUBLIC AFFARS.
Report on cooperation and marketing. Madison, 1912. 59 p.
Pt. 1, Agricultural cooperation; Pt. 2, Cooperative credit; Pt. 3, Municipal markets;
Pt. 4, Distributive or store cooperation.
WOLFF, H. W. Cooperation in agriculture. London, P. S. King & Son, 1912. 378 p.
WYTHE, G. Cooperative marketing of fruit, truck, and cotton, chiefly in Texas. Tex. Univ.
Bul. 298. Gen. Series 33. 1913. p. 45-56.

#### 3 TRANSPORTATION

BUREAU OF RAILWAY ECONOMICS. Railways and agriculture, 1900-1910. Bul. 45. 1913.

CHASE, L. A. Rural Michigan. N. Y., Macmillan, 1922. 492 p.

An account of the development of means of transportation in Michigan from pioneer times to the present day: p. 235-262.

CULP, J. M. Perishable goods. Suitable measures for developing the traffic in perishables. Brussels, 1910. 84 p.

ures for developing the traffic in perishables.
Brussels, 1910. 84 p.

Reprinted from Bul. Internat. Railway
Cong. Assoc. 8th sess. Berne, 1910.

Addenda. 1912. 27 p.

Reprinted from Bul. Internat. Railway
Cong. Assoc. May, 1912.
CUNNINGHAM, BRYSSON. Cargo handling at
ports . . N. Y., John Wiley & Sons, inc.,
1924. 180 p.

Contains chanters on grain cargees, refriger-

Contains chapters on grain cargoes, refrigerated produce, whole timber cargoes, and a brief article on the cost of grain handling.

GREAT BRITAIN. FOOD INVESTIGATION BOARD,

GREAT BERTAIN. FOOD INVESTIGATION BOARD.

ENGINEERING COMMITTEE. Insulated and refrigerator barges for the carriage of perishable foods. Special Report 15, 1923.

JOHNSON, E. R., and HUEBNER, G. G. Railroad traffic rates. N. Y., 1911.

Vol. 1, ch. 12, is entitled Shippers' Car and Private Car Lines. The rest of the book is on the general subject of traffic rates.

KRAMER, R. M. Transportation in relation to the export trade in agricultural products. U. S. Dept. of Commerce. Bur. Foreign and Domestic Commerce. Trade Inf. Bul. 216. 1924.

Some of the topics discussed are: Ports of export; foreign markets; refrigeration; heater-car service; inland water routes; storage and elevator equipment; contracts for carriage; rates.

rates.

LUBIN, DAVID. The cost of ocean carriage. An article relating to the cost of ocean carriage, its influence on the world's price and the home price of staples, its bearing on economic and social and political life of nations and the needs for an international commerce commission. S., 63d Cong., 2d sess., Senate. Doc. 423. 1914.

McPherson, L. G. Railroad freight rates in relation to the industry of the United States. N.

tion to the industry of the United States. N. Y., 1912. 441 p.
McPike, E. F. Transportation of perishable commodities—need of cooperation by shippers with carriers. In 2d Pan Amer. Sci. Cong. Proc., 1915-16, vol. 3, p. 439-451.

Mass, R. F. Refrigeration and refrigerator insulation on board ship. N. Y., 1916. 10 p.
Massachusetts. Commission on Cost of Living. Report, February, 1917. Boston, 1917.

A0 p.

Contains report on relation of transportation to the cost of living.

MILLS, O. O. Better freight refrigeration service on perishables to northern cities. In Peninsula Hort. Soc. Proc., 1922, p. 34-42.

New York (City) Dept. of Docks and Ferries.
A report on wholesale terminal markets at the port of New York. N. Y., 1912. 21 p.
New York (State) Food Investigating Commission. Committee on Terminals and Transfortation. Report . . . April 18, 1913. Albany, 1913. 39 p.

TILE. PORT OF SEATTLE COMMISSION. An open letter to the Federal trade commission. Bul. 5. 1915. Describes port and terminal facilities of Seattle.

Shouse, Harriet. Good roads in relation to markets; a contribution to a bibliography, Madison, Library School, Univ. of Wis., 1922, 24 p. Mimeographed.

UNION FIBRE COMPANY. Insulation of railway equipment; comprising a short story of the evolution of the refrigerator car in the United States. Winona, Minn., 1912. 110 p.

U. S. DEFAREMENT OF AGRICULTURE.

ANDREWS, FRANK. Cost of hauling crops from farms to shipping points. Bur. Stat. Bul. 49.

Crop export movement and port facilities on the Atlantic and Gulf coasts. Bur. Stat. Bul. 38. 1905.

Freight costs and market values. In

Stat. Bul. 38. 1903.

— Freight costs and market values. In Yearbook, 1906, p. 371-386.

— Inland boat service: freight rates on farm products and time of transit on inland waterways in the United States. Bul. 74. 1914.

— Ocean freight rates and the conditions affecting them. Bur. Stat. Bul. 67. 1907.

— Traffic on Chesapeake Bay and Tennessee River. In Yearbook, 1907, p. 289-304.

COLLINS, J. H. Motor transportation for rural districts. Bul. 770. 1919.

NEWCOMB, H. T. Changes in the rates of charge for railway and other transportation services. Bur. Stat. Bul. 15, 1898. Rev. ed., 1901.

WARD, E. G. Methods and routes for exporting farm products. Bur. Stat. Bul. 29. 1904.

WHITE, G. C. Demurrage information for farmers. Bul. 191. 1915.

— and POWELL, T. F. Possibilities of a market-train service. In Yearbook, 1916, p. 477-487.

477-487

477-487.
YOHE, H. S. Operating a cooperative motor truck route. Farmers' Bul. 1032. 1919.
U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Transportation and marketing of farm products. Hearings. . U. S., 66th Cong., 3d sess. 1921.

Deals principally with short hauls.
U. S. CONGRESS. JOINT COMMISSION OF AGRICULTURAL INQUIRY. Report, pt. 3. Transportation. U. S., 67th Cong., 1st sess., House Rept. 408. 1922. pt. 3.

tion. U. S., 67th Cong., 1st sess., House Rept. 408, 1922, pt. 3.
U. S. CONGRESS. SENATE. COMMITTEE ON INTERSTATE COMMERCE. Regulation of railway rates. Hearings... U. S., 58th Cong., 3d sess., Dec. 16, 1904-May 23, 1905, 5 vols.

U. S. INDUSTRIAL COMMISSION. Report on transportation. Reports. vols. 4 and 9, 1900 and 1901. These two volumes contain considerable testimony on shipping agricultural products.

U. S. INTERSTATE COMMERCE COMMISSION. Rate reduction . . . U. S., 67th Cong., 1st sess., House. Doc. 115. 1921.

Weld, L. D. H. Private freight cars and American railways. N. Y., 1908. 185 p.
White, G. C. Improved transportation service
for perishable products. *In* 2d Pan Amer.
Sci. Cong., Proc., 1915-16, vol. 3, p. 400-425.
Bibliography: p. 423-425.

#### 4. STORAGE AND REFRIGERATION

AMERICAN WAREHOUSEMEN'S ASSOCIATION. Bulletins. Washington, D. C.
U. S. Dept. Agr. Library has nos. 10-265,
Dec. 1900-yan. 1923.

-. Proceedings. U. S. Dept. Agr. Library has 10th-33d, 1900-

COLD STORAGE DIVISION. CENTRAL BU-U COMMITTEE. Standardization of basis

REAU COMMITTEE. Standardization of basis for rates . . . Pittsburgh, 1921. 75 p.
BEST, ELSDON. Maori storehouses and kindred structures. Houses, platforms, racks, and pits used for storing food, etc. New Zealand. Dominion Museum. Bul. 5. 1916.

Dominion Museum. Bul. 5. 1916.

Canada. Cost of Living Commission. Report of acting commissioner re cost of living. Cold storage in Canada. Parliament. Sessional Paper 210a. 1917.

Cooper, Madison. Practical cold storage; the theory, design, and construction of buildings, and apparatus for the preservation of perishable products, approved methods of applying refrigeration and the care and handling of eggs, fruit, dairy products, etc. 2d ed. Chicago, Nickerson & Collins Co., 1914. 816 p.

Davis, D. I. Cold storage construction. Paper read . . at American meat packers' association convention, 1913. Chicago, 1913. 10 p.

Eldridge, J. E. Deeking plans for cold-storage

tion convention, 1913. Chicago, 1913. 10 p.
ELDREDGE, J. E. Decking plans for cold-storage
houses. 1922. 23 p.
FRASER, SAMUEL. Refrigerator car service. In
N. J. State Hort. Soc. Proc., 1919. p. 55-60.
GRAHAM, R. R. Ice cold storage on the farm; its
value and how to provide it. Ontario. Dept.
Agr. Ontario Agr. Col. Bul. 207. 1912.
GREAT BRITAIN. FOOD INVESTIGATION BOARD.
The literature of refrigeration. Special Rept.
9 1010

INTERMITTENT VACUUM PRE-COOLING CORPORA-

INTERMITERT VACUUM PRE-COOLING CORPORATION. The pre-cooling of perishable products.
N. Y., 1913. 32 p.
JACKSON, H. V., and LEA, A. E. Refrigeration on
the homestead. New South Wales. Dept.
Agr. Farmers' Bul. 11. 2d ed. 1909.
MASSACHUSETTS. COMMISSION TO INVESTIGATE
THE SUBJECT OF THE COLD STORAGE OF FOOD.
REPORT. . . January, 1912. General Court,
1912. House Doc. 1733.
PENNINGTON, M. E. Relation of cold storage to
the food supply and the consumer. In Amer.
Acad. Polit. and Soc. Sci. Annals, vol. 48,
July. 1913. p. 154-163.

July, 1913, p. 154-163.
RUDDICK, J. A., and BURGESS, JOSEPH. The cold storage of food products with some notes on insulation and warehouse management. Canada. Dept. Agr. Dairy and Cold Storage

ada. Dept. Agr. Dairy and Cold Storage Com. Bul. 44. 1915. SMITH, C. D. Shrinkage of farm products. Mich. Agr. Exp. Sta. Bul. 191. 1901, p. 279-288. Gain or loss in weight of grain, hay, and cord

wood between time of harvest and sale.

U.S. Department of Agriculture.

Corbett, L. C. Suitable storage conditions for certain perishable food products. Bul. 729.

Apples, potatoes, sweet potatoes, cabbage, eggs, frozen eggs, poultry, butter, and fish.

Economic results of cold storage. In Yearbook, 1911, p. 23-32.

U. S. DEPARTMENT OF AGRICULTURE—Contd. FRANKLIN, I. C. The service of cold storage in the conservation of foodstuffs. Yearbook, 1917,

Information concerning the United States ware-house act. S. R. A. Markets 61. 1920. Use of cold storage. Letter from the Secretary of

agriculture transmitting certain data on cold storage products, by Dr. H. W. Wiley, U. S. 61st Cong. 2d sess. Senate. Doc. 486. 1910. Warehousing farm products under the U. S. ware-house act... Washington, Govt. print. off., 1923 12 p.

williams, H. E. Protection of food products from injurious temperatures. Farmers' Bul. 125, 1901.

U. S. CONGRESS. HOUSE. COMMITTEE ON AGRI-

S. CONGRESS. HOUSE. COMMITTEE ON AGRI-CULTURE. Cold-storage legislation. Hearings

U.S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Cold-storage legislation. Hearings. . . with appendix containing compilation of State lews relating to cold storage, and Report of the U. S. Food administration for 1918. U. S., 66th Cong., 1st sess., Ang. 11-26, 1919.

— Swank warehouse bill. Hearings. . on H. R. 4149, by Mr. Swank, a bill providing for the building of warehouses by the United States. U. S., 65th Cong., 1st sess., Jan. 17, 1924. Serial D.

U. S. CONGRESS. HOUSE. COMMITTEE ON THE DISTRICT OF COLUMBIA. Report of the hearings on H. R. 16925, to regulate the storage of food products in the District of Columbia. U. S., 61st Cong., 2d sess. 1911.

U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Cold storage. Hearings . . . on H. R. 9521; a bill to prevent hoarding and deterioration of and deception with respect to cold-storage foods. U. S., 66th Cong., 2d sess. 1920. 2 pts.

U. S. CONGRESS. SENATE. COMMITTEE ON MANUFACTURES. Food held in cold storage. Hearings . . U. S., 62d Cong., 1st sess., May 18-June 22, 1911.

HANTACTURES. FOOD field in cold storage. Hearings . . U. S., 62d Cong., 1st sess., May 18-June 22, 1911.

—. Report . . and hearings held before the Senate committee on manufactures relative to foods held in cold storage (April 25-June 2, 1910). U. S., 61st Cong., 3d sess., Senate. Report 1272. 1911.

Hearings also issued in separate form with title: Investigation relative to foods held in cold storage. "Documents pertaining to cold storage": p.

300.
U.S. Deft. of Commerce and Labor. Bureau of Statistics. Warehouses in foreign countries for storage of merchandise in transit or in bond. Special Consular Reports, vol. 35. U.S., 58th Cong., 3d sess., House. Doc. 423. 1995.
U.S. Deft. of State. Bureau of Foreign Commerce. Refrigerators and food preservation in foreign countries. Reports from the consuls of the United States. Special Consular Reports, vol. 2, no. 1, 1891.

the United States. Special Consular Reports, vol. 2, no. 1. 1891.

— Stored goods as collateral for loans . . . Report from consuls of the United States. Special Consular Reports, vol. 25. 1902.

URNER, F. G. Cold storage, its effect upon the production and market value of butter, cheese,

eggs, and dressed poultry, with comment upon proposed restrictive legislation. N. Y., Urner-Barry Co., 1910. 16 p.

Many of the state warehouse commissions or departments have issued reports or bulletins which contain articles on storage, not brought out in this bibliography.

#### PART II. MARKETS

AMERICAN SOCIETY FOR MUNICIPAL IMPROVEMENTS. Report of Committee on public markets; with

Report of Committee on public markets; with discussion. D. J. Sweeney, chairman. In Proc., 1921. p. 55-59.

ANNIN, R. E., jr. Public markets in Massachusetts. Mass. State Bd. Agr. Circ, 54. 1918.

ARMSTRONG, D. B. The sanitation of public markets.

kets. Reprint from the Jour. of the American Medical Assoc., Jan. 13, 1917. p. 103-105.

BITTNER, W. S. Public markets; what curb markets may be expected to accomplish. Ind. Univ. Ext. Div. Bul. vol. 3, no. 11. 1918.

BLACK, ELMER. Communal benefits from the public control of terminal markets. In Amer.

Acad. Polit. and Soc. Sci. Annals. vol. 48,

Acad. Polit. and Soc. Sci. Annals. vol. 48, July, 1913, p. 149-153.

Black, Madeline (Mrs. Elmer Black). A ter-minal market system, New York's most urgent need. N. Y., 1912. 37 p.

BUTLER, J. M. The Welborn community market. Kens. Hort. Soc. Bien. Rept. vol. 35, 1920,

p. 57-59.

CLEVELAND. CHAMBER OF COMMERCE. Municipal markets... Report 66, 1914, p. 139-144.
DAVIS, I. G., and STACK, G. M. The New Haven market. Conn. Agr. Col. Ext. Serv. Bul. 18.

F. The market book, containing a Note: A create the model of the public markets in the cities of New York, Boston, Philadelphia, and Brooklyn. New York, 1862. 621 p.

This volume relates to New York only. No

more published.
Great Britain. Ministry of Food. Depart-Mental Committee on the Wholesale Food.
Markets of London. 1st-5th and final re-634, 713, 1168, 1341. 1920-21.

634, 713, 1168, 1341. 1920-21.
GREAT BRITAIN. ROYAL COMMISSION ON MARKET
RIGHTS AND TOLLS. Reports. London, 188991. 14 vol. in 9. Parliament. Sessional papers.
1888, vol. 53-55; 1889, vol. 38; 1890/91, vol. 37-41.
vol. 1: First report... with the report...
relating to the history of fairs and markets in
the United Kingdom. Cmd. 5550.
vol. 2-4: Minutes of evidence. England.
Cmd. 5550-I, 5550-II, 5550-III.

Cmd. 5550-1, 5550-111, 5550-111. vol. 5-6: Minutes of evidence. Ulster, Leinster, and Connaught. Cmd. 5888, 5888-I. vol. 7-10: Minutes of evidence. England, Scotland, and Ireland. Cmd. 6268-I, 6268-II, 6268-IV. vol. 11: Final report of the commissioners. Cmd. 6288.

vol. 12: Précis of minutes of evidence taken before the commissioners . . . Cmd. 6268-V vol. 13, pt. 1: Statistics relating to markets in London, and also to markets owned by local authorities in England and Wales. Cmd. 6268-VI.

vol. 13, pt. 2: Statistics relating to markets in England and Wales owned by persons other than local authorities. Cmd. 6268-VI.A. vol. 13, pt. 3: Statistics relating to markets in Scotland and Ireland. Cmd. 6268-VIb.

vol. 14: Reports as to foreign markets. Cmd. 6268-VII.

Hendrickson, J. C., and others. Roadside mar-kets—Round table. In N. J. State Hort. Soc. Proc. 1920, p. 18-26. Higgins, C. H. Report and draft of regulations. Regulations for fixtures to be constructed at

Regulations for fixtures to be constructed at Washington market, Borough of Manhattan, City of New York. To Hon. Marcus M. Marks, Pres. Borough of Manhattan, Oct. 22, 1914. 56 p.

JEFFERSON, L. P. The community market. Mass. Agr. Col. Ext. Div. Ext. Bul. 21. 1918.

KOELSCH, C. A. Modern methods of food distribution. N. Y., 1913. 8 p.

Discusses the establishment of additional municipal markets in New York City.

municipal markets in New York City.

Fall, R. J., and Folsom, J. C. Roadside markets. Mass. Agr. Col. Ext. Leaflet 30. McFall,

Massachusetts. Commission on Cost of Living Report May, 1910. General Court, 1910. House. Doc. 1750.

Appendix A, p. 537-570, entitled Public Markets in Boston, is an historical account of the conditions in Boston markets.

CONDITIONS IN BOSTON MARKETS,
MEHL, PAUL. Roadside marketing in Connecticut.
Conn. Agr. Col. Ext. Serv. Bul. 65. 1923.
MEMPHIS. DEPT. OF PUBLIC UTILITIES, GROUNDS,
AND BULLDINGS. Yearbook 1923. Memphis
municipal markets. 19 p.
MILLER, C. C. Municipal market policy. N. Y.,
City Club of New York, 1912. 18 p.

Municipal markets in their relation to the
cost of living. Ja Amer. Acad. Polit. and Soc.

cost of living. In Amer. Acad. Polit. and Soc. Sci. Annals, vol. 48, July, 1913, p. 140-148.

—. Municipal terminal markets. In 2d Pan Amer. Sci. Cong. Proc., 1915-16, vol. 3, p. 720-

Also published in National Institute of Social Sciences, Jour., vol. 2, July, 1916, p. 140-157.

MINNEAPOLIS. MAYOR'S COMMISSION ON MUNICIPAL MARKETS. An exhaustive study and report on public and municipal markets. Aug. 30, 1918. 60 p.

NATIONAL MUNICIPAL LEAGUE. COMMITTEE ON
PUBLIC MARKETS. Public markets in the
United States: second report of a committee of the Municipal league; figures revised to March 15, 1917, by Clyde Lyndon King, chairman, and others. Philadelphia, 1917.

Chairman, and 32 p.

The first report of this committee, Nov. 19, 1914, entitled The Relation of the City to its Food Supply, is in the general section.

New York (CITY) BOARD OF ESTIMATE AND APPORTIONMENT. COMMITTEE ON MARKETS. Report on market system for New York City and on onen markets established in Manhattan

and on open markets established in Mannattan by Marcus M. Marks. N. Y., 1915. 121 p. New York (City) Commissioners of Accounts. The pushcart problem in New York City. N. Y., 1917. 9 p. New York (City) Dept. of Public Markets. Proposed market program for the city of New York 1918. 31

Proposed market program for the city of New York, 1918. 31 p.

New York (City) Market Commission. Report of the Mayor's market commission, December, 1913. N. Y., 1913. 311 p.

Bibliography: p. 265-294.

NEW YORK (STATE) DEPT OF FARMS AND MARKETS. DIVISION OF FOODS AND MARKETS. The public market. 1920. 8 p.

NEW YORK (STATE) FOOD INVESTIGATING COMMISSION. Report of the committee on markets, prices and costs. N. V. 1012. 76 p.

MISSION. Report of the committee on markets, prices and costs. N. Y., 1912. 76 p. ROCHESTER, N. Y. MARKET COMMISSIONERS. Report and proceedings relative to establishing

Report and proceedings relative to establishing and operating a public market. Rochester, 1907. 112 p.

SCHAFFER, A. L. Public markets and the water-front problem. N. Y., 1912. 22 p.

STOCKTON, F. T. City markets; how to start and operate a city public retail market. Ind. Univ. Ext. Div. Bul., vol. 2, no. 11. 1917.

SULLIVAN, J. W. Markets for the people. N. Y., Macmillan, 1913. 316 p.

U. S. DEPARTMENT OF AGRICULTURE.

BRANCH, G. V. Retail public markets. In Yearbook, 1914, p. 167-184.

EVANS, A. M. Rest rooms for women in marketing centers. In Yearbook, 1917, p. 217-224.

KERBEY, MCFALL. Open types of public markets. Bul. 1002. 1921.

Rules and regulations of the Secretary of Agri-

Rules and regulations of the Secretary of Agri-culture for the management and control of Center Market. Effective June 1, 1923. S. R. A. Agr. Econ. 74.

Suggestions for an ordinance to establish, locate, regulate, and maintain a public farmers' market, and for other purposes. S. R. A. Markets 69. 1921

S. DEPT. OF COMMERCE. BUREAU OF THE CENSUS. Municipal markets in cities having a population of over 30,000. 1918. 56 p.

U. S. DEPT. OF COMMERCE AND LABOR. BUREAU OF MANUFACTURES. Municipal markets and slaughterhouses in Europe. Special Consular

Reports, vol. 42, pt. 3, 1910.

U. S. CONGRESS. SENATE. COMMITTEE ON THE DISTRICT OF COLUMBIA. Papers relating to the Washington market company. U. S., 60th Cong., 1st sess., Senate Doc. 495. 1908.

Van Horn, A. G. One community market. Kans. Hort. Soc. Bien. Rept. vol. 35, 1920, p. 53 - 57

A description of the Welborn market, Kan-

A description of the vertical limited, its sas City, Kans.
Wehrwein, G. S. The public markets in the State of Washington. Wash. (State) Office of Farm Markets. Bul. 1. 1918.
Weld, L. D. H. Marketing survey of New Haven. New Haven, Conn., 1917. 52 p.

### PART III. COTTON

#### 1 GENERAL

AMERICAN COMMISSION TO INVESTIGATE AND STUDY AGRICULTURAL CREDIT AND COOPERATION. Production and marketing of Egyptian cotton. Report by J. S. Williams and Clarence Ousley. U. S., 63d Cong., 1st sess., Senate. Doc. 113. 1913. Also in Doc. 214: p. 109-113.

Further report on cotton marketing, supple-

— Further report on cotton marketing, supplementa to Senate Document no. 113. U. S., 63d Cong., 1st sess., Senate. Doc. 175. 1913.

Atkinson, C. E., and Beers, J. B. Study of cotton marketing conditions in Arkansas . . . Ark. Col. Agr. Ext. Div. Circ. 92. 1920.

BACHMAN, H. F., & Co. Cost of cotton production. Season, 1917/18. N. Y., 1918.

Cost of marketing: p. 12.

BREMEN. BAUMWOLLBÖRSE. Bremen cotton exchange, 1872-1922. By A. W. Cramer . . . Translated by C. F. C. Uhte. Bremen, Franz Leuwer, 1922. 72 p.

Describes marketing of cotton through the exchange.

Describes marketing of court among the exchange.

BURKETT, C. W., and Poe, C. H. Cotton: its cultivation, marketing, manufacture, and the problems of the cotton world. N. Y., Doubleday, Page & Co., 1906. 331 p.

Chapman, S. J. The cotton industry and trade. London, Methuen & Co., 1905?

Future trading in raw cotton: p. 45-55.

COMAN, J. G. Cotton classing and marketing. Clemson Agr. Col. Ext. Div. Bul. 4. 1913.

CONFERENCE BETWEEN REPRESENTATIVES OF THE

CHEMSON AGT. COI. EXT. DIV. BUI. 4. 1913.
CONFERENCE BETWEEN REPRESENTATIVES OF THE
AMERICAN COTTON EXCHANGE AND THE EUROPEAN COTTON EXCHANGES AND SPINNERS' ASSOCIATIONS. Report . . . Liverpool, 1913. 83 p.
DONNEL, E. J. Chronological and statistical history of cotton. N. Y., J. Sutton & Co., 1872.
Rules governing trading on exchanges: p.
631-641.

631-641.

631-641.

EARLE, D. E. Cotton grading. Clemson Agr. Col. Ext. Bul., vol. 4, no. 2. 1908.

ELLISON, THOMAS. Cotton trade of Great Britain. Including a history of the Liverpool cotton market and of the Liverpool cotton brokers' association. London, E. Wilson, 1886. 355 p.

Gleanings and reminiscences. Liverpool, H. Young & Sons, 1905. 362 p.

Popular account of cotton marketing in England in the 19th century.

land in the 19th century.

GUARANTY TRUST COMPANY OF N. Y. Fabric of civilization; a short survey of the cotton industry in the U. S. N. Y., 1919.

The raw cotton market: p. 17-26. Financing

The raw cotton market: p. 11-2b. Financing cotton marketing: p. 33-34.

HAMMOND, M. B. The cotton industry: an essay in American economic history. N. Y., Macmillan, 1897. (Publications of the American Econ. Assoc. New ser., no. 1.)

The evolution of the cotton market: p. 278-

323.

HOUGHTON, M. B. Marketing the cotton crop of the South. Ala. Dept. Agr. Bul. 49. 1911.

HUBBARD, W. H. Cotton and the cotton market. N. Y., D. Appleton & Co., 1923. 503 p.

INTERNATIONAL CONGRESS OF DELEGATED REPRESENTATIVES OF MASTER COTTON SPINNERS AND MANUFACTURERS ASSOCIATIONS. Official reports 1-10, 1904-1920.

1st. Zurich. 1904. Cotton corners: p. 41-57. TIONS. Official reports 1-10, 1904-1920. 1st, Zurich, 1904. Cotton corners: p. 41-57,

73-85. 2d, Manchester, 1905. Cotton handling: p. 30-31.

3d, Bremen, 1906. Marketing raw cotton: p. 19-27, 31-44.
4th, Vienna, 1907. Transportation and baling: p. 70-80, 177-189.
5th, Paris, 1908. Proposed introduction of new c. i. f. contract: p. 74-76. Resolutions regarding marketing: p. 99-102.
6th, Milan, 1909. Contracts: p. 75-78, 84-85. Handling and baling: p. 306-316.
7th, Brussels, 1910. Net weight contract: p. 282-288. False bills of lading: p. 82-84, 345-347.

8th, Barcelona, 1911. Marketing: p. 59-81,

291-302. 9th, Scheveningen, 1913. Baling: p. 61-65, 365-379.

10th, Zurich, 1920. Baling: p. 392-398 LANCASHIRE. PRIVATE COTTON INVESTI INVESTIGATION

LANCASHIRE. PRIVATE COTTON INVESTIGATION COMMISSION. Report... on their visit to the cotton-growing area of the United States of America. Manchester, Eng., 1906.
Ginning, baling, transporting, and marketing: p. 14-19, 22, 49.
LIVERPOOL COTTON ASSOCIATION, Itd. General by-laws, trading rules, clearing house rules and forms of contracts of the Liverpool cotton association, limited. Adopted Mar. 18, 1912. Revised to Dec., 1922. Liverpool, Turner, Routledge & Co., 1912. 68 numbered leaves and 64 pages of forms.

Routledge & Co., 1912. 68 numbered leaves and 64 pages of forms.

LONG, W. W., and Mill, W. H. Marketing cotton in South Carolina. Clemson Agr. Col. Ext. Div. Bul. 46. 1920.

MARSH, A. R. The full text of the United States cotton futures act... together with an analysis of the act in respect of its legal meaning and its effect upon the cotton trade of the United States. N. Y., Chroniele Co., ltd., 1914. 23 p. MILLER, T. S. The American cotton system historically treated, showing operations of the cotton exchanges, also cotton classification. Austin, Austin Printing Co., 1909. 294 p.

— Cotton trade guide and student's manual. 3d ed. Austin, Tex., E. L. Steck Co., 1920. 448 p.

448 p.

Explains the grading of cotton and the system of handling and marketing it, including marketing through cotton exchanges.

Nelson, Martin. Cotton grading. Ark. Agr. Exp. Sta. Circ. 15. 1912. New Orleans Cotton Exchange. Rules of the New Orleans cotton exchange governing transactions in the New Orleans market in cotton sold ex-warehouse and to-arrive. Adopted July 12, 1922; effective Aug. 1, 1922. New Orleans, 1922.

leans, 1922.

Amended to date by inserted slips.

New York Cotton Exchange. New York cotton exchange, 1871-1923. N. Y., 1923.

How the cotton exchange safeguards independence of planter, merchant, and spinner, by W. H. Hubbard: p. 31-42.

Nolte, V. O. Fifty years in both hemispheres; or, reminiscences of the life of a former merchant.

N. V. Radfold 1854, 476.

N. Y., Redfield, 1854. 476 p.
An autobiography giving some experiences on the cotton markets of New Orleans and Liverpool during the early part of the 19th century.

SHEPPERSON, A. B. Cotton futures. N. Y., 1911.

STEWART, CHARLES. Cotton futures: What they are, and how they work in practice. Liverpool (rev.), 1921. 20 p.

THOMPSON, HOLLAND. From the cotton field to the cotton mill; a study of the industrial transition in North Carolina. N. Y., Macmillan,

1906. 284 p.
THOMPSON, W. B. Address before the Joint Committee on Agriculture of the Schate and House of Representatives; contracts for future delivery, and effects of adverse legislation. New Orleans, L. Graham Co., ltd., 1908. 20 p.

—. Address . . . delivered before the annual convention of the Southern Cotton Association, held at Dallas, Tex., Feb. 19, 1908. New Orleans?, 1908?

On the functions of a legitimate exchange.

On the functions of a legitimate exchange.

Narrowing of the cotton market; tendency toward trust control of prices. New Orleans, 1909. 12 p.

The new future rules of the New Orleans

cotton exchange, explanatory of their scope and their relation to the trade of New Orleans and

their relation to the trade of New Orleans and the farming, spinning, and mercantile interests of the South. New Orleans, Press of J. G. Hauser, 1909. 13 p.

Todd., A. The world's cotton crops. London, A. & C. Black, Itd., 1915. 460 p.
Includes information on marketing systems.

UNION GUIDE, HOUSTON, TEX. Cotton future contract trading and adverse legislation; editorials from the "Union guide," 1911-1912. Houston, 1912. 144 p. 1912. 144 p.

U.S. DEPARTMENT OF AGRICULTURE.

AGELASTO, A. M. Linters. Dept. Circ. 175, 1921.

Handling and marketing: p. 6-7.

DOYLE, C. B., MELOY, G. S. and STINE,
O. C. The cotton situation. In Yearbook, 1921. p. 323-406.

Financing and marketing: p. 367-390. Agricultural situation for 1918. Part V. Cotton.

Off. Sec. Circ. 88. 1918. Standardization and marketing: p. 22-30. ANDREWS, FRANK. Freight costs and market values. In Yearbook, 1906, p. 371-386.

Deals with wheat and cotton.

Deals with wheat and cotton.

BARR, J. E. Marketing cotton seed for planting purposes. Bul. 1056. 1922.

BRAND, C. J. Conference on cotton marketing situation. Farmers' Bul. 620. 1914. p. 8-15.

Improved method of handling and marketing cotton. In Yearbook, 1912. p. 443-462.

COBB, N. A. Memorandum of information concerning official cotton grades. Bur. of Plant Indus. 720. 1912.

Tests of the waste, tensile strength, and bleaching qualities of the different grades of

bleaching qualities of the different grades of cotton as standardized by the United States Government. Bul. 62. 1914. United States official cotton grades. Bur.

Plant Indus. Circ. 109, 1913.

COOK, O. F. The relation of cotton buying to cotton growing. Bul. 60, 1914.

CRESWELL, C. F. Disadvantages of selling cotton in the seed. Bul. 375. 1916.

grade. Bul. 591. 1917. EARLE, D. E., and DEAN, W. S. The classifica-tion and grading of cotton. Farmers' Bul. 591.

and TAYLOR, FRED. Classification of American upland cotton. Farmers' Bul. 802.

1917.
FOADEN, G. P. Notes on Egyptian agriculture.
Bur. Plant Indus. Bul. 62. 1904.
Marketing cotton: p. 39-41.
HAMMOND, HARRY. Handling and uses of cotton. Office Exp. Sta. Bul. 33. 1896. p. 351-384.
The marketing of lint: p. 381-384.
HOLMES, G. K. Agricultural production and prices. In Yearbook, 1897. Cost of Marketing

cotton seed and at ginnerics. Farmers' Bul. 209. 1904. Methods of handling and ginning seed cotton:

p. 14-28.

U. S. DEPARTMENT OF AGRICULTURE—Contd. McConnell, O. J. Suggested improvements in methods of selling cotton by farmers based on a

methods of selling cotton by farmers based on a comparison of cotton producers' and consumers' prices. Dept. Circ. 56. 1919.
——and CAMP, W. R. A study of cotton marketing conditions in North Carolina with a view to their improvement. Bul. 476. 1917.

MARIN, J. G. The handling and marketing of the Arizona-Egyptian cotton of the Salt River Valley Bul. 311. 1915.
——and White, G. C. Handling and marketing Durango cotton in the Imperial Valley. Bul. 458. 1917.

Bul. 458. 1917.

MEADOWS, W. R. Economic conditions in the Sea Island cotton industry. Bul. 146. 1914.

Systems of marketing at Charleston and in

Systems of marketing at Charleston and in the interior: p. 10 and 14.

— and Blair, W. G. Preliminary manufacturing tests of the official cotton standards of the United States for color for upland tinged and stained cotton. Bul. 990. 1921.

Palmer, A. W. Commercial classification of American cotton, with reference to standards for grade, color, and staple. Dept. Circ. 278. 1924.

1924

Regulations of the Secretary of Agriculture under

the U. S. cotton futures act. Effective Aug. 1, 1922. Off. Sec. Circ. 159. 1922. SCOFIELD, C. S., KEARNEY, T. H., BRAND, C. J., COOK, O. F., and SWINGLE, W. T. Production of American Egyptian cotton. Bul. 742. 1919.

of American Egyptian cotton. Bul. 742. 1919. Marketing: p. 19. SHERMAN, W. A., TAYLOR, FRED, and BRAND, C. J. Studies of primary cotton market conditions in Oklahoma. Bul. 36. 1913. STINE, O. C., and BAKER, O. E. Cotton. Atlas of American Agriculture. Pt. 5, 1918. Marketing: p. 24-28. SWARTHOUT, A. V., and BEYELL, J. A. A system of accounting for cotton ginneries. Bul. 985, 1921. TAYLOR, FRED. Relation between primary market prices and qualities of cotton. Bul. 457, 1916. 1916

Marketing tinged and stained cotton: p.

10-11. TAYLOR, FRED, GRIFFITH, D. C., and ATKINSON, C. E. Cotton ginning information for farmers. Farmers' Bul. 764. 1916.
Baling: p. 18.
U. S. cotton futures act. S. R. A. Markets 1-10, 16, 41. Agr. Econ. 72, 1915-1923.

U. S. cotton standards act. S. R. A. Agr. Econ.

U. S. cotton standards occ. 80, 82, 1923, 1924.
Werser, H. J. The growing of long-staple Upland cotton. In Yearbook, 1903, p. 121-136. Ginning, baling, and marketing: p. 134-136.

U. S. DEPARTMENT OF COMMERCE. BUREAU OF CORPORATIONS. Report of the commissioner of corporations on cotton exchanges. U. S. 60th Cong., 1st sess., House. Doc. 949. 1908. 2 vols.

U. S. DEPARTMENT OF COMMERCE. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. Terms used in the cotton industry. By W. A. Garham Clark. Special Agents Ser. 105. 1915.
U. S. DEPARTMENT OF COMMERCE AND LABOR.

Packing and marketing of cotton. A study of present wasteful methods and certain suggestions for their improvement. Special Agents

Ser. 58. 1912. U. S. Congress. HOUSE. COMMITTEE ON AGRI-S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Cotton and grain anti-option bills. Hearings . . . U. S., 621 Cong., 2d sess., Mar. 28, Apr. 8, 9, 10, and 11, 1912.

—. Cotton futures. Hearings . . . U. S., 67th Cong., 2d sess., Feb. 13 and 14, 1922.

Cotton standards. Hearings . . . U. S., 67th Cong., 4th sess., Feb. 5, 9, and 12, 1923. Ser. Jl.

Hearings . . . U. S., 63d Cong., 1st, 2d,

—. Hearings . . . U. S.,63d Cong., 1st, 2d, and 3d sess., 1915. vol. 2.

On a bill to establish uniform standards of

On a bill to establish uniform standards of classification for cotton and for other purposes: p. 827-940. On bills to regulate cotton exchanges: p. 943-1267.

—. Hearings on bills for the prevention of "dealings in futures" on boards of trade, etc. U. S., 61st Cong., 2d sess. 1910. vol. 2.

U. S. CONGRESS. HOUSE. COMMITTEE ON AGRI-CULTURE. Hearings on miscellaneous bills and other matters. U. S., 62d Cong., 2d and 3d 1913.

SS. 1915. Cotton standards: p. 13-21. -. Regulation of cotton exchanges. Hear-ngs . . . U. S., 63d Cong., 2d sess., Apr. 22

ings . . U. S., 63d Cong., 2d sess., 191.
to 25, 1914.

Trading in cotton futures. Report to accompany S. 110. U. S., 63d Cong., 2d sess.,
House Report 765. 1914.

Trading in cotton futures. Report to accompany S. 110.

House Report 165. 1914.

— Trading in cotton futures. Report to accompany H. R. 11861. U. S., 64th Cong., 1st sess., House Report 229. 1916.
U. S. CONGRESS. HOUSE. COMMITTEE ON INTERSTATE AND FOREIGN COMMERCE. Cotton: Its preparation, transportation, and marketing. Hearings . . . U. S., 63d Cong., 1st sess., June 24, Aug. 15, 1913. vols. 1-2. S. CONGRESS. SENATE. COMMITTEE ON

AGRICULTURE AND FORESTRY, Agriculture appropriation bill, 1917. (Cotton-futures amendment.) Hearings... on H. R. 12717

1916.
— Cotton standards. Hearings...on H. R. 14302. U. S., 67th Cong., 4th sess., Feb. 20 and 24, 1923.

Future delivery of cotton. Hearings . on S. 4654: a bill to regulate contracts for the future delivery of cotton. Parts 1-2. U.S.,

62d Cong., 2d sess. 1912.

Hearings before a subcommittee on S. 385: Hearings before a subcommittee on S. 353-a bill to amend section 5 of the U. S. cotton futures act, approved August 11, 1916, as amended; and S. 3146: a bill to amend section 5 of the U. S. cotton futures act and S. 2231: a bill to amend the U. S. cotton futures act by inserting in a new section for American Egyp-tian cotton only, to be known as section 5-A. U. S., 67th Cong., 2d sess., 1922. 2 pts. U. S. CONGRESS, SENATE. COMMITTEE ON AGRI-CULTURE AMD FORESTRY. Report. . . on con-dition of cotton growers in the United States, the present prices of cotton, and the remedy; and on cotton consumption and production. U. S., 53d Cong., 3d sess., Senate Report 986. 1907.

Future trading: p. 8-20.

To amefid sec. 5 of the U. S. cotton futures act. Hearings... on S.385: a bill to amend sec. 5 of the U. S. cotton futures act. to S. cotton futures act. to S. cotton futures act. u. U. S., 67th Cong., 1st sess., May 24, 1921.

U. S. FEDERAL TRADE COMMISSION. The cotton trade... Report... Part I. U. S., 68th Cong., 1st sess., Senate. Doc. 100. 1921.

Contains chapters on: Marketing and physical handling of cotton, Competitive conditions, Future trading and deliveries

Future trading and deliveres

— Preliminary report . . . on the cotton trade. Feb. 26, 1923. 28 p.

U. S. DEPARTMENT OF STATE. Special consular reports on cotton tare. U. S., 62d Cong., 2d sess., House Doc. 577. 1912.

U. S. TREASURY DEPARTMENT. COMMISSIONER OF INTERNAL REVENUE. United States cotton futures act. Law and regulations relating to contracts of sale of cotton for future delivery made on an exchange, board of trade, or similar institution, orplace of business. U. S., Treas. Dept. Regulation 36, rev. 1916. Dept., Regulation 36, rev. 1916.

WATKINS, J. L. King cotton: a historical and sta-Watkins & sons, 1908. 321 p.
Gives some history of marketing, grading, etc.

World Cotton Conference. Official reports.

Papers and discussions on various problems including warehousing, transportation, and classification.

U. S. Dept. of Agr. Library has 1st-2d. 1919,

#### 2. COOPERATIVE MARKETING

AMERICAN COTTON ASSOCIATION. COMMITTEE ON COOPERATIVE MARKETING. Report. 1920. 80 p. Discusses defects in the present system of cotton marketing and gives plans for organizing cooperative marketing associations. COMMITTEE ON

HODSON, E. A. Cooperative cotton marketing in Ar-

kansas. Ark. Col. Agr. Ext. Circ. No. 156. 1923. U. S. DEPARTMENT OF AGRICULTURE. SHERMAN, W. A. The cooperative marketing of cotton. Farmers' Bul. 641. 1914. p. 14-16.

#### 3. STORAGE AND TRANSPORTATION

FORD, BACON, & DAVIS. Cotton warehouses and terminal of the State of Louisiana. New Orleans, 1915. 6 p.

U. S. DEPARTMENT OF AGRICULTURE.

BRAND, C. J., and SHERMAN, W. A. Behavior
of seed cotton in farm storage. Bur. Plant
Indus. Circ. 123. 1913.

Information concerning the U. S. warehouse act. S. R. A. Markets 61. 1920.
Includes opinions on matters of general interest arising under the act in regard to cotton warehouses.

NEWTON, R. L., and HUMPHREY, J. R. A system of accounts for cotton warehouses. Bul. 520.

and Workman, J. M. Cotton warehous-ing—benefits of an sadequate system. In Yearbook, 1918, p. 399-432. NIXON, R. L. Cotton warehouse construction. Bul. 277. 1915.

S. DEPARTMENT OF AGRICULTURE-Contd. Nixon, R. L. Cotton warehouses: storage facilities now available in the South. Bul. 216. 1915. Value of warehouses in financing cotton.

Value of warehouses in hnancing cotton.

Regulations of the Secretary of Agriculture under the U. S. warehouse act of August 11, 1916, as amended. Revised regulations for cotton warehouses, approved, May 29, 1923. S. R. A. Agr. Econ. 76. 1923.

WORKMAN, J. M. Construction and fire protection of cotton warehouses. Bull. 801. 1919.

U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Cotton-warehouse licenses. Report to accompany. 8, 6966. U. S. 634. Cong. 24.

to accompany S. 6266. U. S., 63d Cong., 2d sess., House Report 1135. 1914.

Von Phul, WILLIAM. Physical characteristics of cotton warehouses. Address before the Conference of the cotton states bankers. New Orleans, La., Dec. 6th, 1915. New Orleans, Press of Dameron Pierson Co., ltd., 1915. 15 p.

#### PART IV. GRAIN

#### 1. GENERAL

BAWLF, W. R. The marketing of Canadian grain under war conditions. Winnipeg, 1918. 12 p. BOYLE, J. E. The Chicago board of trade. What it is and what it does. 1921. 80 p.

Cost of marketing grain; a history of certain carloads of grain from the farmer to the terminal buyer. Chicago, 1922. 24 p.

N. Y., Macmillan, 1920. 277 p. Reference library for a board of trade: p. 265-

BOYLE, J. E. Terminal market problems, including terminal elevators, produce exchanges, hedging termina elevators, produce ectenances, neuging and speculation, grading and dockage, storage and mixing. A critical bibliography. Reprint from Quart. Jour. of the Univ. of N. Dak., vol. 6, no. 2, 1916. 9 p.
CANADA. BOARD OF GRAIN COMMISSIONERS.
Grain inspection in Canada, by R. Magill.

Ottawa, 1914. 64 p.
RLETON, M. A. The small grains. N. Y.,
Macmillan, 1916. CARLETON, Cereals in commerce: p. 563-578.

the United States.

Washington, D. C., Aug. 15th, 1917.

N. Y., Apr. 30-May 1, 1918.

N. Y., June 10-11, 1919.

Chicago, May 7, 1920.

CROCHERON, B. H., and WILLIAMS, C. J. Some observations on the bulk handling of grain for California. Calif. Agr. Exp. Sta. Circ. 152. 1916.

EQUITY CO-OPERATIVE EXCHANGE. Grain growers' text book. Fargo, N. Dak., 1911. 40 p.

FARMERS' MARKETING COMMITTEE OF SEVENTEEN. Outlined explanation of the proposed grain marketing plan. Chicago, 1921. 16 p.

FILLEY, H. C., and GADDIS, P. L. The marketing of mixed grains. Nebr. Univ. Dept. Agr. Ext. Bul. 38. 1916.

Bul. 38. 1916.

FRANK, W. L. and CAMPBELL, R. L. Sources of error in sampling grain. Sherman, Tex., 1922.

10 p.

Grain Dealers' National Association. Proceedings of the annual meetings. U.S. Dept. Agr. Library has 19th-25th, 1915-

1922. Grain grading and inspection and inter-state and

orain grading and inspection and interstate and foreign commerce in grains. U. S., 60th Cong., 1st sess., Senate Doc. 116. 1907.

Gras, N. S. B. The evolution of the English corn market from the twelfth to the eighteenth century... Cambridge, Harvard Univ. Press, 1915. 498 p. (Harvard Econ. Studies, vol. 13.)

"An extended treatment of the early corn (grain) trade of England .. I have had in mind both the old interest in corn legislation ...

and the new interest in corn legislation ...
and the new interest in market development ..." Pref.
GREAT BRITAIN. BOARD OF AGRICULTURE AND
FISHERIES. DEPARTMENTAL COMMITTEE ON
FIARS PRICES IN SCOTLAND. Report of the
departmental committee appointed by the
Scottish office and the Board of agriculture and
fisheries to enoughe and report upon first prices fisheries to enquire and report upon flars prices in Scotland, with copy of the minute appointing the committee and Minutes of evidence. Parliament. Papers by command. Cmd. 5763, 5764. 1911.

Methods of establishing grain prices. GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. DEPARTMENTAL COMMITTEE ON DISTRIBUTION AND PRICES OF AGRICULTURAL PRODUCE. Interim report on cereals, flour and bread. Parliament. Papers by command. bread. Parman. Cmd. 1971. 1923.

Cmd. 1971. 1923.

Methods of marketing wheat: p. 21-24;
barley: p. 25-26; oats: p. 26. Marketing and distributive costs: p. 27-30.

Great Britain. Foreign Office. Reports from
Her Majesty's representatives in Germany,
Belgium, and the United States on legislative measures for suppressing gambling in fictitious wheat contracts. Parliament. Papers by com-

mand. Cmd. 7645. 1895.

HOLM, G. T. The Argentine grain grower's grievances. Buenos Aires, Imp. Rugeroni hnos., 1919. 228 p.

Criticisms of the math. Jac.

1919. 228 p. Criticisms of the methods of grain marketing

1

Criticisms of control existing in Argentina.

George. Field crop production. LIVINGSTON, GEORGE. Field crop production. N. Y., Macmillan, 1914. Marketing of grain: N. Y., Macmillan, 1914. Marketing of grain: p. 381-395.

and YODER, MAHLON. Laboratory manual of cereals and forage crops. Columbus, O., R.

Adams & Co., 1913.

Grain grades: p. 51-62.
LYON, T. L., and MONTGOMERY, E. G. Examining and grading grain. Boston, Ginn & Co., 1907.

McHugh, J. G. The formation, development and economic functions of grain exchanges. Minne-

economic functions of grain exenanges. Financiapolis. 15 p.

MAYES, JEWELL. Grain grades and the farmer.

Mo. State Bd. of Agr. Monthly bul vol. 18, no. 1, Jan. 1920, p. 15-18.

PIPER, C. B. Principles of the grain trade of western Canada. Winnipeg, Empire Elevator Co., 1td., 1915. 179 p.

PRICE, H. B. Grain standardization. In Amer. Econ. Rev. vol. 11, no. 2, June 1921, p. 227-230.

Conference of representatives of the grain trade of the United States. 1850-1860. Iowa City, State Historical Soc. of Iowa, 1920. 31 p.

Also in the Iowa Jour. of History and Politics. vol. XVIII, p. 94-124.

—. Internal grain trade of the United States.

Internal grain trade of the Grain States 1880–1880.
Pt. 2. Marketing. In Iowa Jour. of History and Politics, vol. XIX, July, 1921. p. 414–455.
Pt. 3. Transportation. In Iowa Jour. of History and Politics, vol. XX, Jan. 1922, p. 70-131.

70-131.
SMITH, R. E. "Hedging" in the futures market.
2d ed. Chicago, 1919. 16 p.
U.S. DEPARTMENT OF AGRICULTURE.
ANDREWS, FRANK. Grain movement in the
Great Lakes region. Bur. Stat. Bul. 81. 1910.
Methods of marketing and transportation: p. 78-82.

—. Marketing grain and livestock in the Pacific Coast region. Bur. Stat. Bul. 89. 1911.

Pacific Coast region. Bur. Stat. Bul. 89, 1911. Methods of marketing grain: p. 85-91.
BESLEY, H. J., BOERNER, E. G., and ROTHGER, B. E. United States grades for grain sorghums. Recommended by the U. S. Department of Agriculture. Dept. Circ. 245. 1922.
BOERNER, E. G. A device for sampling grain, seeds, and other material. Bul. 287. 1915.

—. Improved apparatus for determining the

. Improved apparatus for determining the test weight of grain, with a standard method of making the test. Bul. 472. 1916. A modified Boerner sampler. Bul. 857.

BRIGGS, L. J. An electrical resistance method for the rapid determination of the moisture con-

for the rapid determination of the moisture content of grain. Bur. Plant Indus., Circ. 20. 1908
BROWN, EDGAR, and DUVEL, J. W. T. A quick method for the determination of moisture in grain. Bur. Plant Indus., Bul. 99. 1907.
BROWN, R. B. The farmer and federal grain supervision. In Yearbook. 1918, p. 335-346.
DUVAL, LAUREL. The production and handling of grain in Argentina. In Yearbook, 1915, p. 281-298.

DIVEL, J. W. T. Moisture content and shrinkage in grain. Bur. Plant Indus., Circ. 32, 1909.

— A moisture tester for grain and other substances and how to use it. Bur. Plant Indus. Circ. 72, 1910. Reissued, with supplement, Aug. 29, 1914.

Grain futures act, 1922. General rules and regulations of the Secretary of agriculture with respect to contract markets. Misc. Circ. 10.

1923.

Handbook official grain standards for wheat, shelled corn and oats ... Revised and reprinted Sept. 1922. (Form 90.)

Handbook of United States grades for grain sorghums. Recommended by the U. S. Department of Agriculture, Bureau of Agricultural Economics. Issued March, 1924.

LIVINGSTON, GEORGE, and SEEDS, K. B. Marketing grain at country points. Bul. 558. 1917.

PHILLIPS, C. L., comp. Bulk-handling of grain ... Abstracts and references. 1918-1922. 3 pts.

Mimeographed.

Selected list of references on subjects relating to the grain trade in the United States and foreign countries. 1923, 19 p.

Mimeographed. UBINOW, I. M. Ru Stat., Bul. 65. 1908. Russia's wheat trade. Bur. RUBINOW.

Methods of marketing grain in Russia Rules and regulations of the Secretary of Agri-

and regulations of the Secretary of Agri-culture under the United States grain standards act of August 11, 1916. Off. Sec. Circ. 70, 1916. U. S. grain standards act. S. R. A. Markets, 11-13, 15, 17-19, 22, 26, 29, 32-36, 39-40, 42, 45-49, 52, 54-56, 58-60, 62, 65, 67. Agr. Econ. 73, 1916-1923.

U. S. CONGRESS. HOUSE. COMMITTEE ON AGRI-CULTURE. Agricultural appropriation bill. CULTURE. Agricultural appropriation bill. Hearings... U. S. 64th Cong. 1st sess. 1916. Grain standardization: p. 419–482. Grain marketing: p. 1424-1431.

—. Cotton and grain anti-option bills. Hearings... U. S., 62d Cong., 2d sess., March 28, April 8, 9, 10, and 11, 1912.

Uniform grading of grain: vol. 1, p. 3-588.

Hearings on bills for the prevention of 
"dealings in futures" on boards of trade, etc.

U. S., 61st Cong., 2d sess. 1910. vol. 2.

—. Uniform grading of grain. Hearings . . . on H. R. 14493. U. S., 63d Cong., 2d sess., Apr. 27, 28, 29, and 30, May 1, 2, 7, and 11, and June 1, 1914.

—. Warehouse and grain standards legislation.

Hearings . . . on H. R. 8040 and H. R. 4646. U. S., 64th Cong., 1st sess., Jan. 13, 1916. Testimony relating to grain standards in use in Minnesota and to the Federal grain stand-

U.S. CONGRESS. HOUSE. COMMITTEE ON INTER-STATE AND FOREIGN COMMERCE. Hear-ings . . . on grain inspection and grading bills. U.S., 61st Cong., 2d sess, May 20, 1910.

— Hearings . . on H. R. 6293, 6294, and 14770, providing for the inspection and grad-ing of grain. U.S., 60th Cong., 1st sess., Mar. 3-Apr. 6, 1908. 4 vols.

U. S. Congress. House. Committee on Rules. Grain exchanges. Hearings . . . on H. Res. 424. U. S., 63d Cong., 2d sess., March 3-7, 1914.

U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Agriculture appropriation bill, 1917. (Grain-grades amendment) Hearings... on H. R. 12717... U. S., 64th Cong., 1st sess., May 19 and 20, 1916.

— Federal grain inspection. Hearings... on the bill (S. 382) to provide for the inspection and grading of grain entering into interstate

and grading of grain entering into interstate commerce, and to secure uniformity in standards and classification of grain, and for other purposes. U. S., 60th Cong., 1st sess., Jan. 16, Feb. 6, and Apr. 2, 3, 4, and 8, 1908.

U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Future trading in grain. Hearings... on H. R. 5676. U. S., 67th Cong., 1st sess. 1921.

Grain futures. Hearings... on H. R. 11843. U. S., 67th Cong., 2d sess. 1922.

Inspection and grading of grain. Hearings... on S. 223. U. S., 62d Cong., 2d sess. 1912.

Investigation of organizations engaged in combating legislation for the relief of agriculture. Hearing... pursuant to S. Res. 110 to investigate activities of the National Grain Dealers' Association and other organizations engaged in combating legislation for the relief of agriculture. U. S., 67th Cong., 2d sess. 1922.

Boards of trade v. cooperative marketing of grain.

of grain.

. National inspection and grading of grain. Statements before the committee. U.S. 59th

Cong. 1906.
U. S. Federal Trade Commission. Report . . . on the grain trade. Washington, 1920-1924.
Vol. 1. Country grain marketing.
Vol. 2. Terminal grain markets and ex-

changes.

Vol. 3. Terminal grain marketing.

Vol. 4. Middlemen's profits and margins.

Vol. 5. Future trading operations in grain.

- Report . . on methods and operations of grain exporters. Washington, 1922-1923. 2vols. U. S. Library of CONGRES. Division of Bibliography. List of references on the marketing of grain and grain exchanges. June 1, 1921. Mimeographed.

Mimeographed.

UNITED STATES GRAIN CORPORATION. Story of the United States grain corporation. Apr. 5, 1920. 19 p. Methods of controlling grain marketing during the war. 1917-1919.

WHITCOMB, W. O. The purpose and work of the Montana grain inspection laboratory. Mont Agr. Exp. Sta. Circ. 108. 1922.

WINNIPEG GRAIN EXCHANGE. CODISTUILTION, by-laws rules and regulations. Bayisad Scott

laws, rules, and regulations. Revised. Sept. 12, 1918.

See also proceedings of grain dealers' associations, most of which are published in periodicals.

#### COOPERATIVE MARKETING

—. A system of accounts for farmers' cooperative elevators. Bul. 236. 1915.

MEHL, J. M. Cooperative grain marketing. A comparative study of methods in the U. S. and in Canada. Bul. 937. 1921.

U. S. DEPARTMENT OF AGRICULTURE—Contd. MEHL, J. M., and JESNESS, O. B. The organization of cooperative elevator companies. zation of coor Bul. 860. 1920.

UNITED STATES GRAIN GROWERS, inc. of incorporation, by-laws, contracts, officers and departmental organization. Grain marketing plan submitted to national ratification conference of farmers' organization by the Farmers' marketing committee of seventeen...

Chicago, U. S. Grain Growers, inc., 1921. 54 p.

—. U. S. grain growers, inc., a farmer-owned nonstock, nonprofit association to handle and sell grain at cost . . providing facilities for the grain growers of the United States to enter upon a program of conducting their own business in a business-like way . . . Chicago, Dept. of In-formation, U. S. Grain Growers, inc., 1921.

Weld. L. D. H. Farmers' elevators in Minnesota. Minn. Agr. Exp. Sta. Bul. 152. 1915.

#### TRANSPORTATION AND STORAGE

BECKER, G. G. Control of insects affecting stored seed and food products. Ark. Agr. Exp. Sta.

seed and lood products. Ark. Agr. Exp. Sta. Circ. 33. 1918.

BRADY, J. I. Cost of operating elevators. N. Dak. Agr. Exp. Sta. Food Dept. Special Bul. vol. 5, no. 15. p. 346-348.

BURLISON, W. L., and ALLYN, O. M. Prices and shrinkage of farm grains. Ill. Agr. Exp. Sta. Bul. 183. 1915.

Bul. 183. 1915.
Gives data to aid in determining the best time to market a crop.

CLARK, W. C. The country elevator in the Canadian West. Queen's Univ. Dept. Hist. and Polit. and Econ. Sci. Bul. 20, 1916. Also in Queen's Quart. vol. 24, no. 1, 1916.

Describes the system of marketing grain through elevators in Canada.

Cовв, N. A. Grain elevators. New South Wales. Dept. Agr. Misc. Pub. 452. 1901. Methods of storing and shipping grain.

CROCHERON, B. H., and WILLIAMS, C. J. Some observations on the bulk handling of grain for California. Calif. Agr. Exp. Sta. Circ. 182. 1916. DEAN, G. A. Insects destructive to grain and grain products stored in bins and graneries. Kans. Agr. Exp. Sta. Circ. 17. 1915.

Methods of control.

DURANT, F. R. Handling the farmers' grain from the farmers' wagon to the local elevator, from the local elevator to terminal . . . Minneapolis?

Minn., 1922. 31 p.

EKBLAW, K. J. T. Grain storage buildings. National Lumber Manufacturers' Assoc. Trade

Ext. Dept. Farm Bul. 2. 1916

()

FILLEY, H. C. Cooperative elevators. Nebr. Col. of Agr. Ext. Bul. 64. 1921.
GIRAULT, A. A. Insects injurious to stored grains and their ground products. Ill. Agr. Exp. Sta. Bul. 156. 1912.

Measures of prevention and remedy: p. 83-90. e grain shipper and the law. A digest of de-cisions of state supreme and federal courts covering shipper's contracts and his relations with the corrier. Chief. The grain shipper and the law.

covering simpler's contracts and his relations with the carrier. Chicago, Grain Dealers' Jour., 1916. 160 p.
GREAT BRITAIN. BOARD OF TRADE. Memorandum relating to grain cargoes. London, H. M. Stationery off., 1914. 50 p.
Rules for loading grain.

Rules for loading grain.

HARRIS, F. S., and THOMAS, GEORGE. The change in weight of grain in arid regions during storage. Utah Agr. Exp. Sta. Bul. 130. 1914.

HOBSON, ASHER. The bulk handling of grain on Washington farms. Wash. State Col. Dept. Ext. Ser. 1, no. 29. 1917.

LOOMIS, RALPH. Cooperative elevator association. Articles of incorporation and by-laws. Mo. Col. Agr. Ext. Work. Circ. 91. 1920.

New York (State) Superintendent of Public Works. The canal system of New York State. The State grain elevator, Brooklyn, N. Y. . . Albany, J. B. Lyon Co., printers, 1922. 15 p.

Describes coastruction of elevator and gives regulations.

regulations.

regulations.

NOURSE, E. G. Fifty years of farmers' elevators in Iowa. Iowa Agr. Exp. Sta. Bul. 211. 1923.

PATON, F. N. Indian wheat and grain elevators. 2d ed. Calcutta, Superintendent Government Printing, India, 1913. 141 p.

PHILIP, W. L. Grain elevators for Union of South Africa. Report . . Pretoria, Government Printing and Stationery Off., 1920. 71 p.

PORTLAND CEMENT ASSOCIATION. Concrete grain bins and elevators. Chicago, 1917. 15 p.

PRICE, T. R. Report on the storage and handling

PRICE, T. R. Report on the storage and handling of grain in Europe, United States of America, and Canada. Pretoria, Government Printing and Stationery Off., 1911. 76 p.

SWENK, M. H. Insect pests of stored grains and their control. Nebr. Agr. Exp. Sta. Circ. 15. 1922

Gives brief accounts of the more important insect enemies of stored grain, with preventive and remedial measures.

and remedial measures.
S. DEPARTMENT OF AGRICULTURE.
ANDREWS, FRANK. Freight costs and market values. In Yearbook, 1906, p. 371-386.

Grain movement in the Great Lakes region. Bur. Stat. Bul. 81, 1910.

Development of lake transportation of grain for VISIT to 1000.

Development of table from 1871 to 1909.

BATES, E. N., and RUSH, A. L. The bulk handling of grain, with special reference to the Parisian Coast States. Farmers' Bul. 1290

of grain in Argentina. In Yearbook, 1915, p. 281-238. DUVAL,

Handling: p. 294-298.

DUVEL, J. W. T. Moisture content and shrinkage in grain. Bur. Plant Indus. Circ. 32,

HUMPHREY, J. R., and KERR, W. H. A system of accounts for primary grain elevators. Bul. 1916.

362. 1916.

JEFFERS, L. M. A portable farm granary. Markets Doc. 11. 1918.

LARKIN, W. J. Notes on grain pressures in storage bins. Bul. 789. 1919.

MASON, B. B., ROBOTKA, FRANK, ard SWART-HOUT, A. V. A system of bookkee ing for grain elevators. Bul. 811. 1919.

Regulations of the Secretary of agriculture under the United States werehouse set of August 14.

Regulations of the Secretary of agriculture under the United States warehouse act of August 11, 1916, as amended July 24, 1919. Regulations for grain warehouses. Off. Sec. Circ. 141.

U. S. FEDERAL TRAPE COMMISSION. Profits of country and terminal grain elevators. . . preliminary report . . U. S., 67th Cong., 1st sess., Senate Doc. 40. 1921.

Welton, F. A. Shrinkage in grain. Ohio Agr. Exp. Sta. Monthly Bul. vol. 3, no. 2. 1918.

p. 39-43.

#### 2. BARLEY, OATS, AND RYE

S. DEPARTMENT OF AGRICULTURE.
BASTON, G. H. A preliminary study of the bleaching of oats with sulphur dioxide. Bul. BASTON, 1918

BESLEY, H. J., BOERNER, E. G., and Cox, J. H. United States grades for rye. Recommended by the U. S. Department of Agriculture. Dept. Circ. 246. 1922.

CARROLL, W. P. Simple method of detecting applications of the property of the conduction.

sulphured barley and oats. Bur. Plant Indus. Circ. 40. 1909.

J. S. DEPARTMENT OF AGRICULTURE—Contd.
Official grain standards of the United States for
oats. S. R. A. Markets 46, 1919.
Official grain standards of the United States for
rye. S. R. A. Agr. Econ. 73, 1923.
SMITH, L. M. The sulphur bleaching of commercial oats and barley. Dept. Circ. 74, 1911.
WARBURTON, C. W. Oats: distribution and uses.
Farmers' Bul. 420, 1910.

#### 3. CORN

BOWMAN, M. L. Corn; growing, judging, breeding, feeding, marketing. Waterloo, Iowa., 1915. 473 p. HAMMESFAHR, F. The corn-trade and options-

HAMMESPAHR, F. The corn-trade and options-markets, considered in relation to social economic problems. Antwerp, 1899. 117 p.
MYRICK, HERBERT, ed. Book of corn. A complete treatise upon the culture, marketing and uses of maize in America and elsewhere. 2d ed. N. Y., Orange Judd co. 1904. 372 p.
U. S. DEPARTMENT OF AGRICULTURE.
BESLEY, H. J., and BASTON, G. H. Improved apparatus for use in making acidity determinations of corn. Office Sec., Circ. 68. 1916.
BLACK, O. F., and ALSBERG, C. L. The determination of the deterioration of maize, with incidental reference to pellagra. Bur. Plant Indus. Bul. 199. 1910. Indus. Bul. 199. 1910.

U. S. DEPARTMENT OF AGRICULTURE—Contd. BOERNER, E. G. Factors influencing the carry ing qualities of American export corn. Bul 764, 1919.

DUVEL, J. W. T. Grades for commercial corn. Bul. 168. 1915.

LEIGHTY, C. E., WARBURTON, C. W., STINE, O. C., and BAKER, O. E. The corn crop. In Yearbook, 1921. p. 161-226.
Markets and marketing: p. 195-208.

Official grain standards of the United States for shelled corn. S. R. A. Markets 11, 33, 1916, 1918.

SCOFIELD, C.S. The commercial grading of corn. Bur. Plant Indus. Bul. 41. 1903.

#### TRANSPORTATION AND STORAGE

Burlison, W. L., and White, E. A. Selection and storage of seed corn. Ill. Agr. Exp. Sta. Circ.

Storage of seed corn. III. Agr. Exp. Sta. Circ. 225. 1918.

HINDS, W. E. Reducing insect injury to stored corn. Ala. Agr. Exp. Sta. Bul. 176. 1914.

HUGHES, H. D. Salting soft corn. Iowa. Agr. Exp. Sta. Circ. 41. 1917.

Use of salt in storage to prevent fermentation.

HUME, A. N., and CENTER, O. D. Shrinkage of ear corn in cribs. III Agr. Exp. Sta. Bul. 113. 1907. 1907.

MORROW, G. E., and BONE, J. H. Experiments in corn culture. Shrinkage exp harvested at different times. Shrinkage experiments on corn Okla. Agr. Exp.

Sta. Bul. 21. 1896.
U. S. DEPARTMENT OF AGRICULTURE.
BACK, E. A. Conserving corn from weevils in the
Gulf Coast States. Farmers' Bul. 1029. 1919.
Methods of storing and fumigating corn to

protect it from weevils.

DUVEL, J. W. T. The deterioration of corn in storage. Bur. Plant Indus. Circ. 43. 1909.

U. S. DEPARTMENT OF AGRICULTURE—Contd. DUVEL, J. W. T., and DUVAL, LAUREL. The shrinkage of corn in storage. Bur. Plant Indus.

Clirc. 81. 1911.

The shrinkage of shelled corn while in cars in transit. Bul. 48 1913.

HARTLEY, C. P. Harvesting and storing corn Farmers' Bul. 313. 1907.

U. S. DEPARTMENT OF AGRICULTURE-Contd. SHANAHAN, J. D., LEIGHTY, C. E., and BOERNER, E. G. American export corn (maize) in Europe. Bur. Plant. Indus. Circ. 55. 1910. Investigation of the condition of corn on arrival in foreign countries with recommenda-

tions for rules governing shipments.

F

0

U. S. DEPARTMENT OF AGRICULTURE. DEFARTMENT OF AGRICULTURE.

BESLEY, H. J., BOERNER, E. G., and SMITH, W.
D. United States grades for milled rice.
Recommended by the United States Department of Agriculture. Dept. Circ. 291. 1923.
Supersedes Markets Doc. 15 and Dept. Circ. 122

United States grades for rough rice. Recommended by the United States Department of Agriculture. Effective August 1, 1923. Dept Circ. 290. 1923. U. S. DEPARTMENT OF AGRICULTURE—Contd.
 SMITH, W. D. Handling rough rice to produce high grades. Farmers' Bul. 1420. 1924.
 WISE, F. B. Instructions for the sampling, handling, analyzing, and grading of samples of milled rice. Markets Doc. 16. 1918.
 WEINSTOCK, HARRIS. Pacific rice growers association. In Calif. State Market Director. Annual Paper 4 th, 1919. p. 21-23.

Report, 4th, 1919, p. 21-23.

#### 5. WHEAT

ATKINSON, ALFRED. Montana grain inspection and the federal standards for wheat. Mont. Agr. Exp. Sta. Circ. 68. 1917.

BARKER, ARTHUR. The British corn trade from the earliest times to the present day. London, Sir Isaac Pitman & Sons, Itd., 1920. 132 p. History of wheat marketing in England.

BENGTSON, N. A., and GRIFFITH, DONEE. The wheat industry; for use in schools. N. Y., Macmillan, 1915. 341 p.

BENTON, A. H. Dockage in wheat in North Dakota, Foster county in detail. N. Dak. Agr. Exp. Sta. Bul. 172. 1924.

BOYLE, J. E. The law of supply and demand and the wheat market; a discussion of what is supply, what is demand, with a brief analysis of the chief factors of supply and demand. Ithaca, N. Y., 1921. 63 p.

BRIDGES, ROBERT. Seattle's public terminals and their relation to northwest wheat. Seattle, 1916. 23 p.

A discussion of the wheat marketing situation

A discussion of the wheat marketing situation

A discussion of the wheat matering struction in the Northwest.

Davis, E. D. Wheat dockage on a percentage basis. Minneapolis, Printed by Spencer & Co., 1917. 48 p.

DEVAULT, S. H. The marketing of wheat in Maryland. Md. Univ. Ext. Bul. 30. Dec.,

DONDLINGER, P. T. The book of wheat; an economic history and practical manual of the wheat industry. N.Y., Orange Judd Co., 1908.

Transportation, storage and marketing: p. 188-233.
Bibliography: p. 326-358.
Great Britain. Royal Commission on Wheat

Great Britain. Royal Commission on Wheat Supplies. First report. Parliament. Papers by command. Cmd. 1544. 1921. 95 p. Hammatt. T. D. Cooperation in marketing Kansas wheat. Kans. State Bd. Agr. Quart. Rept. vol. 41, no. 162. June, 1922.

— Marketing Canadian wheat. U. S. Dept. Commerce. Bur. Foreign and Domestic Commerce. Trade Information Bul. 251. 1924.

— Methods of merchandising American wheat in the export trade: pt. 1 Buying wheat for export. U. S. Dept. Commerce. Bur. Foreign and Domestic Commerce. Trade Information Bul. no. 183, 1924.

Bul. no. 183, 1924.

— Pt. 2 Selling American wheat abroad. U.S. Dept. Commerce. Bur. Foreign and Domestic Commerce. Trade Information

and Domestic Commerce. Trade Information Bul. 185. 1924.

Ladde, E. F. Chemical and physical constants for wheat and mill products. N. Dak. Agr. Exp. Stat. Bul. 114. 1916.

— Is the present system of grading wheat equitable? N. Dak. Agr. Exp. Sta. Food Dept. Spec, Bul. vol. 3 no. 14. 1915. p. 233–239.

Leth, R. J. Grading the Idaho wheat crop. Idaho Univ. Ext. Div. Ext. Bul. 22. 1918.

McGovern, J. A. Wheat grading for schools. N. Dak. Agr. Col. Ext. Circ. 36. 1920.

Marketing Virginia wheat under government regulation. Va. Dept. Agr. and Immigration Bul. 124. 1917. p. 2-4.

METZGER, J. E. Garlic and other factors influencing grades of wheat. Md. Agr. Exp. Sta. Bul. 246. 1922.

MOOMAW, B. C. Summary of report on wheat marketing investigations. Va. Dept. Agr. and Immigration. Bul. 19. 1917. p. 5-7.

NATIONAL WHEAT CONFERENCE. Report of proceedings prepared by the Wheat council of the United States. Chicago, 1923. 104 p.

Many of the addresses touch on the problems.

Many of the addresses touch on the problems

Many of the addresses butter of the problems of marketing wheat.

New South Wales. Dept. of Agriculture. Bulk-handling of wheat in Great Britain. Farmers' Bul. 21. 1909.

Pennsylvania. Dept. of Agriculture. Standard grades for apples, potatoes, and wheat. General Bul. 381. Feb. 1924.

Dept. and regulations requiding for standard. General Bul. 381. Feb. 1924. Rules and regulations providing for standard

Rules and regulations providing for standard grades in Pennsylvania.

PRILL, ARTHUR. Trading in wheat. N. Y., Magazine of Wall St., 1917. 96 p.

RUTTER, W. P. Wheat growing in Canada, the United States and the Argentine. London, Adam & Charles Black, 1911.

Transportation, storage and, marketing. Transportation, storage and marketing: p. 131-227.

SASKATCHEWAN. KATCHEWAN. ROYAL COMMISSION ON GRAIN MARKETS. Synopsis of the report . . . 1914?

SINCLAIR, J. M. Report . . . on wheat production in the United States, Canada, and the Argentine Republic; also the handling and shipment of grain in the United States. Melbourne, R. S. Brain, government printer, 1895. 94 p.

SMITH, R. E. Wheat fields and markets of the world. St. Louis, Modern Miller Co., 1908.

Stewart, James. Marketing wheat. In Amer. Acad. Polit. and Soc. Sci. Annals vol. 107, no. 196, May, 1923. p. 187-192.

STEWART, J., and RIDDELL, F. W. Report to the government of Saskatchewan on wheat market-ing. Regina, Canada, 1921. 21 p.

The system of wheat marketing under the provisions of the Canada grain act is briefly outlined. State control and pooling plans are

discussed.

TENEYCE, A. M. Wheat; a practical discussion of the raising, marketing, handling and use of the wheat crop, relating largely to the great plains region of the United States and Canada. Lincoln, Nebr., Campbell Soil Culture Publishing Co., 1914. 194 p.

IISHING CO., 1914. 194 P.
U. S. DEPARTMENT OF AGRICULTURE.
BALL, C. R., LEIGHTY, C. E., STINE, O. C., and
BAKER, O. E. Wheat production and marketing. In Yearbook, 1921, p. 77-160.
Marketing: p. 122-160.
BLACK, R. H., and HALLER, C. R. Foreign
material in spring wheat. How to remove it
on the farm and at the country elevator.
Farmers' Bul. 1287. 1922.
BROWN, R. H. Dockage under the federal wheat
grades. Farmers' Bul. 1118. 1920.
Supersedes Farmers' Bul. 919.

U. S. DEPARTMENT OF AGRICULTURE—Contd. CARLETON, M. A., and CHAMBERLAIN, J. S. The commercial status of durum wheat. Bur. Plant Indus: Bul. 70, 1904.

COLEMAN, D. A., and REGAN, S. A. Nematode galls as a factor in the marketing and milling of wheat. Bul. 734. 1918.

Firz, L. A. Handling wheat from field to mill. Bur. Plant Indus. Circ. 68. 1910.

KERR, W. H., and WELD, L. D. H. Rethe marketing of Kansas wheat in 1914. Report on U.S., 63d Cong., 3d sess., House Doc. 1271. 1914. p.

LIVINGSTON, GEORGE. The wheat standards and their application. S. R. A. Markets 35. 1918.

U. S. DEPARTMENT OF COMMERCE AND LABOR.
Flour and wheat trade in European countries
and the Levant, by M. H. Davis. Special
Agents Series no. 30. 1999.
Methods of marketing wheat and flour.

U. S. CONGRESS. HOUSE. COMMITTEE ON AGRI-CULTURE. Grades for spring wheat. Hearings . . . on H. R. 7401. Serial J—Part 1, and 2 supplemental parts. U.S., 67th Cong., 1st and 2d sess., 1921–1922. U. S. Congress, House. Committee on Agri-culture. Little export bill. Hearings . . . on CULTURE. H. R. 78: a bill to authorize the Secretary of Agriculture to purchase, store, and sell wheat, and to secure and maintain to the producer a reasonable price for wheat, and to the consumer a reasonable price for bread, and to stabilize wheat values. U. S., 68th Cong., 1st sess. Serial P. March 5, 1924.

Miscellaneous hearings . . . U. S., 65th Cong., 3d sess. 1919. Wheat price guaranteed by Congress.

U. S. FOOD ADMINISTRATION. Doubling the wheat dollar, by C. W. Holman. 1918. 16 p. Reprinted from Country Gentleman, Jan. 26,

1918.

— Plan of wheat and flour control for the 1918 wheat crop. N. Y., 1918. 8 p.

— Plans and policies of the cereal division. Series A. Wheat and flour control for the 1918 wheat crop. N. Y., 1918. 16 p.

— Policies and plan of operation. Wheat, flour, and bread. N. Y., 1917. 171 p.

WHEAT GROWERS' ASSOCIATIONS OF THE PACIFIC NORTHWEST. ORGANIZATION COMMITTEE. Wheat marketing through Pacific Northwest, non-profit, cooperative marketing associations. Spokane, Wash., 1919. 14 p.

#### TRANSPORTATION AND STORAGE

GREEN, R. M. Farm storage as a factor in the marketing of Kansas wheat. Kans. Agr. Exp. Sta.

Bul. 229. 1922.

Jackson, H. V. Bulk handling of wheat. New South Wales. Dept. Agr. Farmers' Bul. 13, 85.

South Wales. Dept. Agr. Farmers' Bul. 81.

South Wales. Dept. Agr. Farmers' Bul. 81. 1914.

1914.

METCALF, J. S., & Co., ltd. Bulk handling of wheat. Report on behalf of Metcalf and Co., ltd. Adelaide, R. E. E. Rogers, government printer, 1915. 55 p.

— Report on bulk handling of wheat in Victoria furnished by John S. Metcalf and Co., ltd., to the Government of Victoria by direction of the honorable the minister for railways. Melbourne, 1916. 78 p.

NEW SOUTH WALES. DEPT. OF AGRICULTURE. Bulk-handling of wheat in Great Britain. Farmers' Bull. 21. 1909.

PORTLAND, OREG. COMMISSION OF PUBLIC DOCKS.

PORTLAND, OREG. COMMISSION OF PUBLIC DOCKS. Report covering an investigation of the move-ments now under way in the Inland Empire to adopt the system of bulk handling of wheat to adopt the system of bluk nandling of wheat to tidewater and conclusions regarding same, together with a statement of present and re-quired terminal facilities for bulk handling and shipping. Submitted to the Commission of Public Docks by G. B. Hegardt, engineer. Portland, 1916. 40 p. SANDERSON, T. Wheat storage. N. Dak. Agr. Exp. Sta., Food Dept. Spec. Bul. vol. 2, no. 20,

SWANSON, C. O., and others. The milling and baking and chemical composition of wheat and flour as influenced by (1) different methods of handling and storing, (2) heat and moisture, (3) germination. Kans. Agr. Exp. Sta. Tech. Bul. 1, 1016

U. S. DEPARTMENT OF AGRICULTURE.

ANDREWS, FRANK. Freight costs and market values. In Yearbook, 1906, p. 371-386. Deals with wheat and cotton.

BAILEY, C. H., and GURJAR, A. M. Respiration of stored wheat. Reprint from Jour. Agr. Research. vol. 102, no. 11. 1918.

WHITE, G. C. Car supply in relation to marketing the wheat crop of 1914. Farmers' Bul. 611. 1914. p. 23-25.

U. S. CONGRESS. SENATE. COMMITTEE ON AGRI-CULTURE AND FORESTRY. Transportation of wheat. Hearings . . . pursuant to S. Res. 211 . . . U. S., 66th Cong., 2d sess. 1920.

VICTORIA, AUSTRALIA. DEPT. OF RAILWAYS.
Comments of the Victorian railways commissioners on the report on the bulk handling system of wheat in Victoria, furnished by John S.
Metcalf and Co., ltd. Melbourne, 1916. 7 p.

#### PART V. SEEDS

AMERICAN SEED TRADE ASSOCIATION. Proceedings of the . . . annual convention.
U. S. Dept. Agr. Library has 11th, 12th, 19th-42d, 1893-94, 1901-1924.

Papers and discussions relating to the produc-

tion and marketing of seed.

ARIZONA. COLLEGE OF AGRICULTURE. DEPT. OF AGRONOMY. Experiment station regulations AGRONOMY. Experiment station regitations under Arizona uniform seed law. Ariz. Agr. Exp. Sta. Circ. 40. 1921.

ASSOCIATION OF OFFICIAL SEED ANALYSTS OF NORTH AMERICA. Proceedings.

U. S. Dept. Agr. Library has 1914–1922.

Contain articles relating to the inspection and certification of seeds.

certification of seeds. Barrus, M. F. Discussion of potato seed certifica-tion service. Calif. State Com. Hort. Bul. vol. 8, 1919, p. 278-280.

Vol. 8, 1919, 9, 218-250.

Principles underlying such a service.

BOLLEY, H. L. An effort at seed standardization and seed certification. Assoc. Off. Seed Analysts. Proc. 1916-17, p. 37-42.

— and STEVENS, O. A. North Dakota pure seed law. Interpretations and suggestions.

N. Dak. Agr. Exp. Sta. Circ. 20. 1923

Bolley, H. L., and Stevens, O. A. Seed certification and listing. N. Dak. Agr. Exp. Sta. Circ. 21. 1923 Revision of Pure Seed Circular no. 10.

Revision of Fure Seed Circular no. 10.

Rules and regulations for certification of seed.

Brown, Edgar. Voluntary labeling by seedsmen.

Assoc. Off. Seed Analysts. Proc. 1919, p. 41-42.

CALIFORNIA. STATE COMMISSION OF HORTICUL
TURE. Report of committee on uniform rules

TURE. Report of committee on uniform rules and regulations to govern certification of seed potatoes. Bul. vol. 8, 1919, p. 304-307.

CANADA. DEPARTMENT OF AGRICULTURE. SEED COMMISSIONER'S BRANCH. Summary of illustrated lectures on seed grain, conditions of the seed trade, weeds and weed seed impurities in commercial grains, given at farmers' meetings in the provinces of Manitoba, Saskatchewan, and Alberta. Ottawa, Govt. Printing Bureau. 1905. 15 p. Production and marketing.

— Seed corn, field root, and garden seeds. Seed trade investigation. Bul. S. 4. 1908.

Storage and marketing: p. 6-9.

. Report. U. S. Dept. Agr. Library has Mar. 1911-1914. Seed growing, testing, and inspection.

CARD, D. G. The marketing of Kentucky bluegrass and orchard grass seeds. Ky. Agr. Exp. Sta. Bul. 247. 1923.

Cook, M. T. Lessons learned from seed inspection last scason. N. J. Dept. Agr. Bul. 24, 1920, p. 280-284.

Seed potato inspection and certification.
-. Seed potatoes. N. J. Dept. Agr. Bul. 4.

Inspection and certification in New Jersey:

Inspection and certification in New Jersey:
p. 92-101; other States: p. 106-110.

FISKE, JESSIE G. State laws concerning the sale of
seeds and legume inoculants. N. J. Agr. Exp.
Sta. Circ. 137. 1922.
Discussion of seed law: p. 3-12. (Revision of

Circ. 59.)

French, G. T. New Virginia agricultural seed law in brief. Acts, 1916. Va. Dept. Agr. and Immigration. Farmers' Bul. 25. 1916. Summary of principal requirements, methods

of sampling, and testing.

GORDINIER, H. W. Seed business from the dealers' standpoint. N. Y. (State) Dept. Agr. Bul. 70,

1915, p. 1310-1313.

GREAT BESTAIN. BOARD OF AGRICULTURE. COM-MITTEE ON AGRICULTURAL SEEDS. Minutes of evidence before the departmental committee appointed by the board of agriculture to enquire into the conditions under which agricultural seeds are at present sold. Gt. Brit. Parliament. Papers by command. Cd. 493. 1901. 232 p. —. Report of the departmental committee ap-pointed by the board of agriculture to enquire

pointed by the board of agriculture to enquire

Peport of the departmental committee appointed by the board of agriculture to enquire into the conditions under which agricultural seeds are at present sold. Gt. Brit. Parliament. Papers by command. Cd. 489. 1901. xv p. Great Britain. Parliament. Papers by command. Cd. 489. 1901. xv p. Great Britain. Parliament. Bales for Agricultural. Purposes Bill. Report...together with the proceedings of the committee, minutes of evidence, and appendices. London, H. M. Stationery Off., 1912. 183 p. Marketing of seeds: p. 1-5, 17-22, 38-40, 51-54, 72-73, 92-94, 96-98, 109-110, 114-116, 122-123. Gress, E. M. An explanation of the Pennsylvania seed law (and prescribed forms of tags). Pa. Dept. Agr. General Bul. 361, 1921. Helyar, J. P. Regulations and instructions relating to the labeling, inspection, and analysis of seeds in New Jersey. N. J. Agr. Exp. Sta. Circ. 66, 1917.
Hicks, G. H. Seed control: Its aims, methods, and benefits. Boston, Press of Rockwell & Churchill, 1896. 28 p.

benefits. Boston, Press of Rockwell & Church-ill, 1896. 28 p.

HILLS, J. L., and others. Agricultural seed inspec-tion. Vt. Agr. Exp. Sta. Bul. 223, 1921, p. 19-30.

IDAHO SEED GROWERS' ASSOCIATION. Annual

report.
U. S. Dept. Agr. Library has 2d, 1920.
Contains discussions relating to production and marketing of agricultural seeds.
ILLINOIS. DEPARTMENT OF AGRICULTURE. DIVISION OF PLANT INDUSTRY. Seed inspection. Rules and regulations. Illinois seed law. Bul. [Circ. ?] 273. 1919. Bul.

Bul. [Circ. ?] 273. 1919.

Official rules and copy of law.

JACKMAN, E. R. Certification of small grains.

Oreg. Agr. Col. Ext. Bul. 376. 1924.

Regulations for certification of seed.

LOCKLIN, H. D. Certified seed potatoes; method of growing and rules for certification. Colo. Agr. Col. Ext. Serv. Bul. 177a. 1921.

MCCALL, F. E. Potato seed certification in South Dakota. S. Dak. State Col. Agr. and Mech. Arts. Ext. Circ. 30. 1920.

Rules and regulations for certification.

MCKAY, M. B. Seed potato certification in Oregon. Oreg. Agr. Col. Ext. Serv. Bul. 295. 1918.

— Uniform rules and regulations for seed potato certification in the Pacific Coast States. Calif. State Com. Hort. Bul. vol. 8, p. 288-91. 1919. 1919.

Discussion of the advisability of uniform rules, with notes of differences in requirements in different states.

MARYLAND. SEED CERTIFICATION BOARD. Certification of seed potatoes. Md. Univ. Ext. Serv. Circ. 55. 1924.

MAYES, JEWELL. New Missouri seed law. Mo. State Bd. of Agr. Monthly Bul. vol. 17, no. 11. 1919.

Includes explanation of the law and rules

for testing seeds.
NNESOTA. DEPARTMENT OF MINNESOTA. DEPARTMENT OF AGRICULTURE.
Potatoes inspected and certified in Minnesota,
1923. Bul. 31.

Gives value of inspection and certification.

1

State requirements, and list of growers.

MUNN, M. T. New York seed law and seed testing,
N. Y. (State) Agr. Exp. Sta., Geneva. Bul. 476. 1920.

Discussion of the law, and rules for its enforcement

— and Hopkins, E. F. Work of the seed testing laboratory from 1918 to 1923, with notes on seed quality, seed testing, seed law compliance, and trade practices. N. Y. (State) Agr. Exp. Sta., Geneva, Bul. 504, 1923.

NEBRASKA. BRASKA. DEPARTMENT OF AGRICULTURE. Agricultural seeds; rules and regulations govern-ing the sale of agricultural seeds and official methods of seed testing. Regulatory announce-

methods of seed testing. Regulatory announcement. Circ. 5. 1921.

OHIO. DEPARTMENT OF AGRICULTURE. Taking samples for purity tests. Off. Bul. vol. 12, Oct. 1919, p. 21-22.

Rules for taking samples.

OSTRANDER, W. A. Provisions for seed inspection and certification. Ind. Corn Growers' Assoc., 20th ann. rept., 1920, p. 73-78.

PROULX, E. G. How to comply with the Indiana seed law. Ind. Agr. Exp. Sta. Circ. 105. 1922.

Requirements regarding labeling and testing of all seeds.

— and others. Inspection of agricultural seeds. Ind. Agr. Exp. Sta. Bul. 264. 1923.

ROBBINS, W. W., and EGGINTON, G. E. The Colorado seed act. Colo. Agr. Exp. Sta. Colo. Seed Lab. Bul. vol. 1, no. 1. 1917.

Discussion of the law and regulations for its enforcement.

Discussion of the law and regulations for its enforcement.

SHEAR, W. V. California certified seed potatoes. Calif. State Com. Hort. Bul. vol. 5, June, 1916, p. 211-213.

Brief discussion of the California certified seed law.

SMITH, C. P. Maryland seed law. Md. Agr. Exp. Sta. Bul. 170. 1912.

Explanation of the law. How to take samples and send them to the seed laboratory.

SOUTH CAROLINA. DEPARTMENT OF AGRICULTURE. COMMERCE AND INDUSTRIES. SEED INSPECTION DIVISION. Rules and regulations governing the inspection and sale of agricultural seeds sold in inspection and sale of agricultural seeds sold in the state of South Carolina . . . 1910. 11p.

the state of South Carolina . . . 1910. 11p.
SOUTHERN SEEDMEN'S ASSOCIATION. Proceedings. 1919 to date.
STEVENS, O. A. How to use the seed laboratory.
N. Dak. Agr. Exp. Sta. Circ. 22. 1923.
How to take and send samples. How to interpret reports. How to make home tests.
STEWART, F. C., and others. Standardization of seed potatoes. In N. Y. (State) Dept. Agr. Report 1916, pt. 2, p. 395-409.
Also in N. Y. Dept. Agr. Buls. 77, p. 395-409, Nov. 1915, and 86, p. 2402-2416, Aug. 1916; and in N. Y. Dept. Farms and Markets. Agr. Bul. 102, p. 118-132, 1917.
STONE, A. L. Official seed inspection in Wisconsin. Wis. Dept. Agr. Bul. 12. 1918.
Copy of the law with explanation of its provisions and how it is enforced.
TAYLOR, E. P. Uniformity of rules and regulations of potato seed certification. Calif., State Com. Hort. Bul. vol. 8, 1919, p. 280-285.

of potato seed certification. Calli, State Com. Hort. Bul. vol. 8, 1919, p. 280-285.

Texas. Department of Agriculture. Texas seed act. Rules, regulations and instructions relative to its enforcement. Bul., new ser. no. 70, [no. 26?] 1921.

U. S. DEPARTMENT OF AGRICULTURE.

Barr L. Deliving and realessing cottonseed.

BARR, J. E. Delinting and recleaning cottonseed for planting purposes. Bul 1219. 1924.

Marketing cotton seed for planting purposes. Bul. 1056. 1922.

Marketing the cowpea seed crop. Farmon' Pul 1208.

ers' Bul. 1308. 1923.

U. S. DEPARTMENT OF AGRICULTURE—Contd.
BOERNER, E. G. A device for sampling grain,
seeds and other material. Bul. 287. 1915.
BROWN, EDGAR. What the farmer should expect
from the seedsman. In Yearbook, 1919, p.

343-346.

1

DERR, H. B. Separation of seed barley by specific gravity method. Bur. Plant Indus. Circ. 62. 1910.

EDLER, G. C. Seed marketing hints for the farmer. Farmers' Bul. 1232. 1921.

HARTLEY, C. P. Better seed corn. Farmers' Bul. 1175. 1920.

Treatment, storage, grading, shelling and testing: p. 9-13.
HILLMAN, F. H. Adulteration of forage-plant seeds. Farmers' Bul. 382. 1909.
Kinds of forage-plant seeds commonly adulterated and the adulterants used.

terated and the adulterants used.

Method of sale of war emergency seed corn to farmers in certain States by the United States Department of Agriculture. Off. Sec. Circ. 105. 1918.

Oakley, R. A. The seed supply of the nation. In Yearbook, 1917, p. 497-536.
PIETERS, A. J. Crimson clover seed. Div. Botany. Circ. 18. 2d rev. 1905.
Quality of seed on the market, prices, tests and results of tests.

Rules and apparatus for seed testing adopted by standing committee on methods of seed testing U. S. DEPARTMENT OF AGRICULTURE—Contd. of the Association of American Agricultural Colleges and Experiment Stations. Off Exp. Colleges and Experiment Stations.

Tracey, W. W. Vegetable seed growing as a business. In Yearbook, 1909, p. 273–284.

Methods of marketing, including discussion of contracts between farmers and seedsmen:

p. 277-283. Wheeler, G. C. Some effects of the war upon the seed industry of the United States. In Yearbook, 1918, p. 195-214.

U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Radio broadcasting—Seed bill. U. S. 67th Cong. 2d sess., Apr. 11, 1922. Series W.

Hearings on H. R. 9711, a bill to require all dealers in alfalfa and red-clover seed to keep stock records and label parcels of such seed so as to show lot number, place of origin . p. 4-14.

WENGER, PAUL. Pure seed law and the weed con-trol act. Idaho Agr. Exp. Sta. Circ. 8. 1919. Object of the law. Rules and regulations for sampling and analyzing seed.

WISCONSIN. DEPARTMENT OF AGRICULTURE. Offi-cial seed inspection in Wisconsin. Bul. no. 46.

Explanation of the law

#### PART VI. HAY

Jones, B. B. Hay grading and inspection in Wisconsin. Wis. Dept. of Markets Bul. vol. 5, no. 4, 1924.

JONES, H. H. Hay marketing in New York City. N. Y. (State) Dept. of Farms and Markets, 1922?

NATIONAL HAY ASSOCIATION. Reports of the annual conventions.

U. S. Dept. of Agr. Library has 5th, 7th 9th-30th, 1898, 1900, 1902-23.

NEW ORLEANS. BOARD OF TRADE. Grades of hay and straw. Rev. and effective October 17, 1916. New Orleans, 1916. 12 p.
U. S. DEPARTMENT OF AGRICULTURE.
COLLIER, G. A. Business methods of marketing hay. Farmers' Bul. 1265. 1922.

— and McClure, H. B. Marketing hay through terminal markets. Bul. 979, 1921. Bul. 978. 1921.

MCCLURE, H. B. Market hay. Farmers' Bul.

1912 Revision of Farmers' bul. 362. U. S. DEPARTMENT OF AGRICULTURE-Contd. The shrinkage of market hay. Bul. 873. 1920.

MCCLURE, H. B., and COLLIER, G. A. Inspection and grading of hay. Bul. 980, 1921.

Marketing hay at country points.

Bul. 977. 1921.

Parkeer, E. C. United States grades for timothy hay, clover hay, clover mixed hay, and grass mixed hay, effective February 1, 1924, including an outline of hay making, baling, and loading methods essential to the marketing of high grade hay. Dept. Circ. 326. 1924.

Piper, C. V., and McClure, H. B. Growing hay in the South for market. Farmers' Bul. 677. 1915.

677. 1915.

Rules and regulations of the Secretary of agriculture governing the inspection of hay. S. R. A., Agr. Econ. 86, 1924. Supersedes S. R. A.

A., Agr. Econ. 86. 1924. Supersedes S. R. A. Agr. Econ. 77. 1923. United States grades for timothy hay, clover hay, clover mixed hay, and grass mixed hay, Revised effective Feb. 1, 1924. Form H. I.-24. Jan. 1924.

#### PART VII. LIVESTOCK AND MEAT

#### 1. GENERAL

ARMOUR, J. O. In the matter of the investigation Armour, J. O. In the matter of the investigation of the packing industry. Testimony of J. Ogden Armour on behalf of Armour and Company January 21, 1919, before the Committee on Interstate and Foreign Commerce, on H. R. 13324. Chicago, 1919. 64 p. Gives marketing methods.
BLISS, J. H. Cost methods in the packing industry. National Assoc. of Cost Accountants. Official Publications, vol. 3, no. 14, Apr. 15, 1922.
CLEMEN, R. A. The American livestock and meat industry. N. Y., Ronald Press Co., 1923. 872 p.

This comprehensive volume covers (1) the pre-refrigeration period, (2) the refrigeration period, (3) livestock financing and marketing problems, (4) the packing industry in its public relations. A full bibliography arranged to correspond in subject matter to the contents of

the chapters is appended.

Colver, W. B. Federal trade commission and the meat packing industry. In Amer. Acad. of Polit. and Soc. Sci., Annals, Mar., 1919, vol. 82, p. 170-174.

CONFERENCE RELATIVE TO THE MARKETING OF LIVESTOCK, DISTRIBUTION OF MEARS, AND RELATED MATTERS. Proceedings. . Chicago Nov. 15-16, 1915. U. S., 64th Cong., 1st sess., House. Doc. 855. 1916.

FARMERS' EDUCATIONAL AND COOPERATIVE UNION CONTROL OF AUGUST AND COOPERATIVE UNION CONTROL OF AUGUST.

RMERS' EDUCATIONAL AND COOPERATIVE UNION OF AMERICA. Proceedings in mass meeting of the grain and live stock dealers of the Farmers' Educational and Cooperative Union of America held in Springfield, Mo., May 12-13, 1999. Little Rock, Ark. 1909. 15 p.
Resolution recommending cooperative packing houses to be controlled by producers and consumers

consumers.

Holman, C. W. Cooperative packing plants.
National Agr. Organization Soc. Circ. 6. Madison, 1917?

INSTITUTE OF AMERICAN MEAT PACKERS. packing industry. A series of lectures given under the joint auspices of the School of Commerce and Administration of the University of Chicago and the Institute of American Meat Packers. Chicago, Univ. of Chicago Press, 1994 357 1924. 357 p.

Contents: Wilson, T. E. The institute and its development plan; Wallace, H. C. Livestock; the basic raw material of the packing industry; Weld, L. D. H. The packing industry; tis history and general economics; Cushman, Arthur. The packing plant and its equipment; Munnecke, V. H. Operations: beef, lamb, and by-products; Mayer, O. G. Pork operations; Cudahy, E. A., jr. Financing the packing industry; Richardson, W. D. Science in the packing industry; Richardson, W. D. Distribution of meat products.

INSTITUTE OF AMERICAN MEAT PACKERS.
Pt. 1. The theory of packing house account-

Pt. 1. The theory of packing house account-

Pt. 2. Tentative draft of proposed accounting instructions on the cattle business

Pt. 3. Tentative draft of proposed accounting instructions on the hog business.

Chicago, 1920.
NEW SOUTH WALES. ROYAL COMMISSION OF INQUIRY AS TO FOOD SUPPLIES AND PRICES.
Interim report on the supply and distribution
of most Sydney W A Gulliek Gove of meat. Sydney, printer, 1913. 297 p. W. Α. Gullick, Govt.

Describes methods of transportation of livestock, slaughtering and marketing of meat.

Schwarz, Oscar. Public abatching of mea-kets. 3ded. London, "Ice and Cold Storage" Publishing Co., ltd., 1903. 522 p. Scotland. Local Government Board. Public slaughter-houses (Scotland) Report. 1908. 82 p.

staugnter-nouses (Scottand) Report. 1908. 82 p.
SWIPT & Co. The meat packing industry in
America. Chicago, 1920. 83 p.
—. Reply of Swift & Company to questions
submitted July 23, 1917, by the Federal Trade
Commission. Chicago, 1917. 35 p.
The place of the packers in the marketing of

I the place of the packers in the marketing of livestock and meat.

— Swift & Co.'s analysis and criticism of part II of the report of the Federal Trade Commission on the meat packing industry of Nov. 25, 1918. Chicago, 1919. 97 p.

Explains the company's methods of doing

business.

U. S. DEPARTMENT OF AGRICULTURE.

Meat situation in the United States. Pt. 5.

Methods and costs of marketing livestock and
meats. Off. Sec. Report 113. 1916.

U. S. DEPARTMENT OF COMMERCE. BUREAU OF CORPORATIONS. Report... on the beef indus-try. Mar. 3, 1905. U. S. ,58th Cong., 3d sess., House Doc. 382. 1905. Business methods of the six leading packers.

U. S. CONGRESS. SENATE. SELECT COMMITTEE ON TRANSPORTATION AND GREEK COMMITTEE on Transportation and Sales of Meat Products. Report and testimony. U. S. 51st Cong. 1st sess. Senate. Report 829.

Marketing and transportation of livestock and meats.

U. S. FEDERAL TRADE COMMISSION. Food investigations. A message from the President transmitting summary of report of Federal Trade Commission on the meat-packing industry. U. S. 65th Cong., 2d sess., House Doc. 1297.

—. Report . . . on the meat packing industry. Washington, Govt. Print. Off., 1918–1920. Summary and Pt. 1. Pt. 1: Extent and growth of power of the five packers in meat and

other industries. Pt. 2: Evidence of combination among pack-

Pt. 3: Methods of the five packers in control-ling the meat-packing industry. Pt. 4: The five larger packers in produce and

grocery foods.
Pt. 5: Profits of the packers.

Pt. 6: Cost of growing beef animals; cost of fattening cattle; cost of marketing livestock.

Weld, L. D. H. Government and the packers.

In Amer. Acad. Polit. and Soc. Sci. Annals,
Mar., 1919. vol. 82, p. 175-182.

WILDER, F. W. The modern packing house... New ed. rev., amplified and enl. by D. I. Davis... Chicago, Nickerson & Collins Co., 1921. 472 p.

#### 2. LIVESTOCK

AMERICAN NATIONAL LIVESTOCK ASSOCIATION.
Proceedings of annual convention. U. S. Dept. Agr. Library has 1st-26th, 1898-1922.

MARKET COMMITTEE. Marketing live-stock; statement prepared by Market Com-mittee appointed at the Convention of the American national livestock association at El Paso, Texas, Jan. 26, 1916. 33 p.

BRIGHT, JOHN, and ARKELL, H. S. Production and markets. Canada. Dept. Agr. Livestock Branch. Pamphlet 19. 1915.

COCKERUL, C. G. Selling direct to the packer. In Iowa. Dept. Agr. Yearbook 1916, p. 395-398. CORN BELT MEAT PRODUCERS' ASSOCIATION. Reports of annual meetings.

Û. S. Dept. Agr. Library has 2d-18th, 1906-

1921.

1921.

DAVENPORT, A. C. The American livestock market; how it functions. Chicago, Drovers Jour. Print. 1922. 1749.

DERICQLES, A. E. Marketing livestock. Statement made... at hearing held at Chicago November 15 and 16, 1915, before the Department of Markets of the Federal Department of Agriculture. 27 p.

DURAND, W. Y. The packer and the farmer. In Jour. of Farm Econ., vol. 3, no. 2, Apr., 1921, p. 49-61.

p. 49-61.

FARMERS' LIVESTOCK MARKETING COMMITTEE OF
FIFTEEN. Livestock 'marketing 'plan adopted
by the livestock ratification conference, Nov.

by the livestock rathication conference, Nov. 10-11, 1921. 20 p.

FIRESTONE TIRE AND RUBBER COMPANY. Marketing livestock by motor truck . . Firestone Park, Akron, Ohio, 1921. Bul. no. 8. 45p.

GAUMNITZ, D. A. The marketing of livestock; "Campbell service." St. Paul, W. M. Campbell Commission Co., 1916. 42 p.

Hall, L. D. Great central markets for livestock and meats. In 2d Pan Amer. Sci. Cong. Proc. 1915–16, vol. 3, p. 335–341. NATIONAL LIVESTOCK EXCHANGE. Annual con-

vention. Proceedings. U. S. Dept. Agr. Library has 5th-9th, 11th-13th, 16th-30th, 1893-1897, 1899-1901, 1904-1918.

Soule, A. M. Suggestions on marketing livestock.

Ga. State Col. Agr. Ext. Circ. 37. 1918.

U. S. Department of Agriculture.
ALVORD, H. E. Cattle markets and abattoirs in Europe. In Bur. Animal Indus. Annual Report, 18th, 1901, p. 279-305.

Andrews, Frank. Cost and methods of transporting meta animals in Verpheels. 1008.

porting meat animals. In Yearbook, 1908, p. 227-244.

p. 227-244.

—. Marketing grain and livestock in the Pacific Coast region. Bur. Stat. Bul. 89, 1911. Methods of marketing livestock: p. 91-94. Atkinson, James. Government market reports on livestock and meats. In Yearbook, 1918,

D. 379-398.

DOTY, S. W. Marketing livestock in the Se suggestions for improvement. Farmers' Marketing livestock in the South; 1917.

Examples of cooperative organizations and suggestions for marketing livestock cooperatively.

GODING, HARRY, and RAUB, A. J. The 28-hour law regulating the interstate transportation of livestock: its purpose, requirements, and enforcement. Bul. 589. 1917.

HALL, L. D. Federal supervision of livestock markets. In Yearbook, 1919, p. 239-248.

U. S. DEPARTMENT OF AGRICULTURE—Contd. HARRELL, DAVID, and MORGAN, H. P. Selling purebred stock to South America. In Year-book, 1919, p. 369–380.

HUMPHREY, J. R., and KERR, W. H. A system of accounts for livestock shipping associations. Bul. 403. 1916.

Instructions concerning work under B. A. I. order 263, "Regulations governing interstate movement of livestock." Bur. Animal Indus. 1919. 56 p.

1

MELVIN. IELVIN, A. D. State and municipal meatinspection and municipal slaughter-houses. Bur. Animal Indus. Circ. 185. 1912. U. S. DEPARTMENT OF AGRICULTURE—Contd.
Packers and stockyards act, 1921. General rules
and regulations of the Secretary of Agriculture with respect to stockyard owners, market agencies and dealers. Off. Sec. Circ. 156. 1921.

PARKS, G. H. The sanitary construction and equipment of abattoirs and packing houses. Bur. Animal Indus. Circ. 173. 1911.

Bur. Aminia Indus. Circ. 173. 1911.
Reprinted from the 26th annual report of the Bur. Animal Indus. 1909.
PLUMB, C. S. Marketing livestock. Farmers' Bul. 184. 1903.
VAUGHAN, H. W. Types and market classes of livestock. 5th ed. Columbus, Ohio, R. G. Adams & Co., 1916. 503 p.

#### COOPERATIVE MARKETING

Brenning, A. The cooperative sale of livestock in Germany. In Internat. Rev. of Agr. Econ. vol. 1, no. 4, Oct./Dec. 1923, p. 453-462. CLARK, R. W. Cooperative marketing of live-stock. Colo. Agr. Col. Ext. Bul. ser. 1, no. 148.

1918.

— Cooperative marketing of livestock. Okla.

Agr. and Mech. Col. Ext. Serv. 1921?

DURAND, E. D. Cooperative livestock shipping associations in Minnesota. Minn. Agr. Exp. Sta. Bul. 156. 1916.

HIBBARD, B. H., FOSTER, L. G., and DAVIS, D. G. Wisconsin livestock shipping associations. Wis. Agr. Exp. Sta. Bul. 314. 1920.

JENNESS, O. B. Cooperative livestock shipping associations. Ky. Col. Agr. Ext. Div. Circ. 104. 1921.

Keithly, K. A. Cooperative marketing of live-stock in Virginia. Va. Dept. Agr. and Immi-gration, Bul. 174, Apr., 1922, p. 16-20. LOOMS, RALPH. Cooperative shipping associa-tions in Missouri. Mo. Agr. Exp. Sta. Bul.

-. Status of cooperative investors and in Missouri . . . In Jour. of Farm Econ., vol. 3, no. 3, July, 1921, p. 142-145. Status of cooperative livestock marketing

Morse, T. D. The mid-west system of marking cooperative livestock shipments. Mo. Col. Agr. Ext. Circ. 136. 1923.

Nourse, E. G., and Hammans, C. W. Cooperative livestock shipping in Iowa in 1920. Iowa Agr. Exp. Sta. Bul. 200. 1921.

Nourse, E. G., and Robotka, Frank. Organiz-ing and operating cooperative livestock ship-ping associations. Iowa State Col. Agr. and Mech. Arts, Ext. Bul. 85. 1921.

Plumb, C. S. A study of farm animals. St. Paul, Minn., Webb Publishing Co., 1922. Cooperative livestock shipping associations:

p. 450-458.

REID, T R. Cooperative shipping of livestock.
Ark. Col. of Agr. Ext. Div. Circ. 102. 1921.
THOMSON, W. Cooperative livestock marketing. Saskatchewan: Dept. Agr. Livestock
Branch. Bul. 41, 2d ed. 1914.

U. S. DEPARTMENT OF AGRICULTURE.

DOTY, S. W., and others. Organization and management of cooperative livestock shipping associations. Farmers' Bul. 1292. 1923. Supersedes Farmers' Bul. 718.

ROBOTKA, FRANK. Accounting records and business methods for livestock shipping asso-ciations. Bul. 1150, 1923. Also published as Bul. 209 of the Iowa Agr.

Exp. Sta. 1922.

Wallace, B. A. Cooperative marketing of live-stock in Ohio, 1921-22. A preliminary study, Ohio Agr. Col. Ext. Circ. vol. 8, no. 8, 1922-23. Suggestive charts are presented depicting the fluctuations in the business of cooperative livestock associations in Ohio in 1921, 1922, and 1923.

Wilson, C. N. A system of accounts for livestock shipping associations. Wis. Div. Markets. Bul. vol. 1, no. 4. 1920.

#### a. CATTLE

ANGELL, G. T. . Cattle transportation in the United

States. Boston, Society for the Prevention of Cruelty to Animals, 1872. 7 p. Mumford, H. W. Market classes and grades of cattle, with suggestions for interpreting market

quotations. Ill. Agr. Exp. Sta. Bul. 78. 1902. SKINNER, J. H., and COCHEL, W. A. Beef production. I-III. Ind. Agr. Exp. Sta. Circs. 8, 12, tion. I-III. Ind. Agr. Exp. Sta. Circs. 8, 1 14. 1907-08. Includes methods of marketing beef cattle.

U. S. DEPARTMENT OF AGRICULTURE.
COLE, C. S. Cattle loans and their value to
investors. In Yearbook, 1918, p. 101-108.
Methods of loaning money on cattle.

WARD, W. F. The shrinkage in weight of beef cattle in transit. Bul. 25. 1913.

WILCOX, H. M. Economic conditions causing the two-day cattle market in Chicago. In Jour. Farm Econ. vol. 3, no. 4, Oct., 1921, p. 176-182.

#### b. Hogs

DIETRICH, WILLIAM. Market classes and grades of swine. Ill. Agr. Exp. Sta. Bul. 97. 1904.

—. The swine industry from the market standpoint. Ill. Agr. Exp. Sta. Circ. 83. 1904. Ewing, P. V. Southern pork production. N. Y., Orange Judd Co., 1918.

Marketing hogs: p. 209-234; slaughtering: p.

MacMillan, A. A. Handbook on the bacon hog and hog grading. Canada Dept. Agr. Pam-phlet 40, new ser. 1923.

MISSOURI. STATE MARKETING BUREAU. losses of hogs in transit. Jefferson City, 1918. 3 p.

3 p.
PETERS, W. H. Marketing the 1915 hog crop.
N. Dak. Agr. Exp. Sta. Circ. 9. 1915.
U. S. DEPARTMENT OF AGRICULTURE.
RUSSELI, E. Z., and others. Hog production and marketing. In Yearbook, 1922, p. 181-280.
Marketing: p. 233-268.
WELIS, L. T. Selling hogs cooperatively. Ala.
Polytechnic Institute. Ext. Serv. Farmers,
Leaflet 21. 1919.

#### c. Horses and Mules

DAVENPORT, EUGENE. The market classes of horses. Ill. Agr. Exp. Sta. Bul. 62, 1901. OBRECHT, R. C. Market classes and grades of horses and mules. Ill. Agr. Exp. Sta. Bul. 122.

U. S. DEPARTMENT OF AGRICULTURE.
ROMMEL, G. M. Market classes of horses.
Bur. Animal Indus. Bul. 37. 1902.

21461°-25†---5

#### d. SHEEP

COFFEY, W. C. Market classes and grades of sheep. Ill. Agr. Exp. Sta. Bul. 129. 1908.

—, The sheep industry from the market standpoint. Ill. Agr. Exp. Sta. Circ. 125. 1908.

Nov., 1913, p. 216-222.

Nov., 1913, p. 216-222.

#### 3. MEAT.

AMERICAN NATIONAL LIVESTOCK ASSOCIATION. AMERICAN NATIONAL LIVESTOCK ASSOCIATION.
 Meat-packing legislation. Denver, 1919. 16p.
 AYLING, R. S. Public abattoirs; their planning, design, and equipment. London, E. & F. N. Spon, 1td., 1908. 88 p.
 BROOKS, F. T. The "Black spot" of chilled and frozen meat. Gt. Brit. Food Investigation Bd.
 Special Rept. 6 1921

Poetal Rept. 6. 1921.

— and HANSFORD, C. G. Mould growths upon cold-store meat. Gt. Brit., Food Investigation Bd., Special Rept. 17. 1923.

CALIFORNIA. DEPARTMENT OF AGRICULTURE. CALIFORNIA. DEPARTMENT OF AGRICULTURE.
Rules governing the inspection of meat and
meat food products in California. Special
Pub. 20, May, 1922.
CRITCHELL, J. T., and RAYMOND, JOSEPH. A history of the frozen meat trade. London, Constable & Co., ltd., 1912. 442 p.
GREAT BRITAIN. MINISTRY OF AGRICULTURE AND
FISHERIES. COMMITTEE ON DISTRIBUTION AND
PRICE OF AGRICULTURAL PRODUCE. Interim

PRICES OF AGRICULTURAL PRODUCE. Interim report on meat, poultry and eggs Papers by command. Cmd. 1927.

Marketing of meat, poultry and eggs.

GREAT BRITAIN. MINISTRY OF HEALTH. COMMITTEE ON MEAT INSPECTION. Report of the TEE ON MEAT INSPECTION. Report of the departmental committee appointed to consider and report upon the legislative and administrative measures necessary to secure adequate protection for the health of the people in connection with the slaughter of animals and distinctions of the design of the security of the state of the security of tribution of meat for human consumption in England and Wales. London, H. M. Stationery Off., 1921. 53 p.
II. Inspection of meat. IV. Transport and

II. Inspection of meat. IV. Transport and handling of meat.

HALL, L. D. Market classes and grades of meat.

III. Agr. Exp. Sta. Bul. 147. 1910.

HALL, N. C. 1921 profits and expenses of retail meat markets. Wis. Dept. of Markets. Bul., vol. 4, no. 2. 1923.

MASSACHUSETTS. COMMISSION ON THE NECESSARIES OF LIFE. Report of the Special Commission on the Necessaries of Life relative to the retail marketing and distribution of meat products, the conditions affecting the prices of such products, and the establishment and mainteproducts, and the establishment and mainte-nance of public slaughter houses. Under ch. 34, Resolves of 1922. January, 1923. Boston, Wright & Potter Printing Co., State Printers, 1923. 63 p. NELSON, W. L.

market classifications of pork products. Mo. State Bd. Agr., Monthly Bul., vol. 11, no. 6.

PUTNAM, G. E. Supplying Britain's meat . . . London, Calcutta, etc., G. G. Harrap & Co.,

Ch. 2: Market distribution; ch. 4: Organiza-tion of the American packing industry; ch. 6: The British government and the American packers; ch. 7: Economic functions of the packer.

SCOTLAND, BOARD OF HEALTH, Report of and enquiry into a uniform system and standard of meat inspection in Scotland. Gerald Leighton. Edinburgh, H. M. Stationery Off., 1921. 61 p.

0

SCOTLAND, BOARD OF HEALTH. Uniformity of meat inspection. Circ. 5. 1923.
U. S. DEPARTMENT OF AGRICULTURE.
BURK, L. B. Shrinkage of soft pork under commercial conditions. Bul. 1086. 1922.
CLARK, H. C. Meat industries of the United States. In Bur. Animal Indus. Annual rept., 4th.5th 1937-1938. 2 250.250.

States. In Bur. Animal Indus. Annual rept., 4th-5th, 1887-1888, p. 359-375.

DAVIS, W. C. Commercial cuts of meat. Dept. Circ. 300. 1924.

— and WHALIN, C. V. Market classes and grades of dressed beef. Bul. 1246. 1924.

DITEWEG, GEOGGE. The meat inspection service of the United States. In Yearbook, 1916, p. 77-97.

p. 77-97.

p. 17-97.
Dressed-meat traffic. In Bur. Animal Indus.,
Annual Rept. 3d, 1886, p. 277-282.
HOAGLAND, RALPH, MCBRYDE, C. N., and
POWICK, W. C. Changes in fresh beef during
cold storage above freezing. Bul. 433, 1917.
MELVIN, A. D. The Federal meat inspection
service. Bur. Animal Indus. Circ. 125, 1908.

State and municipal meat inspection and

State and municipal meat inspection and municipal slaughter houses Bur, Animal Indus. Circ. 185. 1912.
Regulations governing the meat inspection of the

Regulations governing the meat inspection of the United States Department of Agriculture. Effective November 1, 1922. Bur. Animal Indus. Order 211, rev. 1922.

Salmon, D. E. The Federal meat inspection. In Yearbook, 1894, p. 67-80.

SHEETS, E. W., and others. Our beef supply. In Yearbook, 1921, p. 227-322.

Financing and marketing beef: p. 275-296.

SQUIRE, E. C. Marketing American pork in England. Bur. Agr. Econ. Report F. S. 27. 1922. Mimeographed.

U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Packer act amendments. Hearings. . on H. R. 4824, H. R., 5093, H. R. 5944, H. R. 6424, H. R. 7110. U. S., 68th Cong., 1st sess., Feb. 28 and 29, Mar. 1, 7. 8, and 10, 1924. Serial N.

U. S. CONGRESS. HOUSE. COMMITTEE ON INTERSTATE AND FOREIGN COMMERCE. GOVERNMENT AND FOREIGN COMMERCE. GOVERNMENT CONTROL OF THE STATE AND FOREIGN COMMERCE. GOVERNMENT CO

STATE AND FOREIGN COMMERCE. Government control of meat-packing industry. Hearings . . . on H. R. 13324. Parts 1-5. U. S. 65th Cong., 1st sess., 1918-1919.

U. S. CONGRESS. HOUSE. COMMITTEE ON THE JUDICIARY. Investigations of beef industries. Hearings . . . on H. R. 148. Serial 43, parts 1, 2. U. S., 64th Cong., 1st sess. 1916.

U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Government control of the meat-packing industry. Hearings . . on S. 5305. parts 1, 2. U. S., 65th Cong. 3d sess.

of the meat-packing industry. Hearings . . . on S. 5305, parts 1, 2. U.S., 65th Cong., 3d sess.

1919.

— Amendment to Packers and stockyards act. Hearings . . . on S. 2089. U. S., 68th Cong., 1st sess., Feb. 14, Mar. 13, 14, 15, 17, 18, and 19, 1924.

U.S. CONGRESS. SENATE. SELECT COMMITTEE ON TRANSPORTATION AND SALE OF MEAT PRODUCTS. Report and testimony. U. S., 51st Cong., 1st sess., Senate Report S29. 1890.

U.S. LIBRARY OF CONGRESS. DIVISION OF BIBLIOGRAPHY. List of references on the meat-packing industry. Jan. 9, 1920. Mimeographed.

ing industry. Jan. 9, 1920. Mimeographed.

#### PART VIII. WOOL

ARKELL, T. R., and KING, J. K. Review of co-operative wool sales in Canada. Preparing wool for market. Canada. Dept. of Agr. Livestock Branch. Sheep and Goat Div. Pamphlet 14. 1917.

Bond, G. W. Classification of wool. A report ac-

companying standard samples. Boston, Press of John Wilson & Son, 1873. 24 p.

CANADA. DEPT. OF AGRICULTURE. LIVESTOCK BRANCH. The sheep industry in Canada, Great Britain, and United States. Ottawa,

Marketing wool in Canada: p. 28-38; in the United States: p. 50-63; in Great Britain: p.

CANADA. DEPT. OF AGRICULTURE. SHEEP AND GOAT DIVISION. Practical assistance to wool growers in the marketing of their wool clips. Pamphlet 7, ed. 2. 1915. Includes suggested by-laws for an association of growers. The government assists such asso-

oi growers. The government assists such associations to dispose of their wool.

CAVANAGH, J. R., and ROGERS, D. C. Cooperative wool marketing in Missouri. Mo. State Bd. of Agr., Monthly Bul. vol. 18, no. 10, p. 5–33, 1920.

COFFEY, W. C. Catechism on pooling wool in Illinois. Chicago, Ill., Illinois Agricultural Assoc., 1920. 12 p.

1920. 12 p.

Growing and marketing wool. Ill. Agr. Exp. Sta. Circ. 161. 1912.

DARBY, W. D. Wool, the world's comforter; a survey of the wool industry from the raw material to the finished product, including descriptions of manufacturing and marketing methods and a dictionary of wool fabrics. N. Y., Dry Goods Economist, 1922. 107 p.

ELLING, C. G. Preparation of Kansas wool for market. Kans. State Agr. Col., Div. Col. Ext. Ext. Circ. 19, 1920.

HART, S. H. Wool; the raw materials of the woolen and worsted industries. Philadelphia, Philadelphia Textile School of the Pennsylvania Museum and School of Industrial Art, 1917.

Museum and School of Industrial Art, 1917.
Grading: p. 20-91; marketing: p. 114-134.
Holmes, J. C. Cooperative wool marketing. S. Dak. State Col. Agr. and Mech. Arts., Ext.

Dak. State Col. Agr. and Meen. A. Circ. 34. 1921.

HORLACHER, L. J. Handling the wool clip. Ky. Col. Agr., Ext. Div. Circ. 72. 1919.

HUMPHREY, J. R. A suggested plan for marketing Fantucky wool. Ky. Col. Agr., Ext. Div.

Kentucky wool. Ky. Col. Agr., Ext. Div. Circ. 79. 1921.

HUNTER, J. A. Wool, from the raw material to the finished product. London, Sir Isaac Pitman & Sons, Itd., 1912.

Marketing British wools: p. 29-40.

JEFFREY, GEORGE. A practical handbook on sheep

and wool for the farmer. Adelaide, Vardon & Sons, ltd., 1907.

Sons, Itd., 1907.
Wool classing and selling: p. 111-137.
McDaniel, John, and Rogers, D. C. Wool marketing through regional pools. Mo. State Bd. of Agr., Monthly Bul., vol. 19, no. 10, 1921.
A detailed description of the organization, management, and operation of a regional wool pool organized in northwest Missouri in 1920.
McKee, W. M. South African sheep and wool.
Cape Town, T. Maskew Miller, 1913.
Preparation of wool for market: p. 177-210.
Mathews, J. W. Preparation of small clips for market . . . South Australia, Dept. Agr., Bul. 33, 1908.

33. 1908.

Myes, Jewell. Pooling, grading, and marketing wool in Missouri. Mo. State Bd. Agr., Monthly Bul., vol. 18, no. 10, Oct., 1920, p. 1-5. Missouri. State Board of Agriculture. Pooling the wool clip. Monthly Bul., vol. 18, no.

1. Jan., 1920. Morris, G. W., and Wood, L. S.

MORRIS, G. W., and WOOD, L. S. The golden fleece; an introduction to the industrial history of England . . Oxford, Eng., 1922.

Contains chapter entitled, "The wool market": p. 184-198.

MUMFORD, H. W. The production and marketing of wool. Mich. Agr. Exp. Sta. Bul. 178. 1900.

NORCROSS, C. A. Wool grades and grading: basis and principles underlying wool classing. Nev. Univ. Col. of Agr., Div. of Ext., Bul. 30. 1922.

ROGERS, D. C., and McKee. W. D. The wool box and other wool marketing helps. Mo. State Bd. Agr., Monthly Bul., vol. 19, no. 1, Jan. 1921. Jan., 1921.

SHAW, J. T. The wool trade of the United States: history of a great industry; its rise and progress in Boston, now the second market of the world. U. S., 61st Cong., 1st sess., Senate. Doc. 70. 1909

SINCLAIR, ALEXANDER. A clip of wool from shear-ing shed to ship. 2d ed. Sydney, W. Brooks & Co., Itd., 1913. 78 p. SMITH, H. B. The sheep and wool industry in Australasia. London, Whitcombe and Tombs,

Husting M. Lid., 1914. Classing, scouring, and selling wool: p. 89–147. TH. J. C. The care, handling, and marketing of TH. J. C. The care, Dept. Agr., Livestock SMITH, J. C. The care, handling, and man actual wool. Saskatchewan Dept. Agr., Livestock

wool. Saskatchewan Dept. Agr., Livestock Branch, Bul. 40. 1914.
SOUTH AFRICA. DEFT OF AGRICULTURE. The wool industry. A report on investigations in the wool industries of Great Britain and the United States of America, with a view to the betterment of the industry in South Africa. Bul. 4,

Methods of marketing wool in various parts

Methods of marketing wool in various parts of the world: p. 20-48.

SPENCER, D. A. Cooperative wool marketing. Mo. Col. of Agr., Ext. Serv. Circ. 76. 1920.

U. S. DEPARTMENT OF AGRICULTURE.
GOVERNMENT CONTROL of the wool clip of 1918.
S. R. A., Markets, 50. 1918.

MARSHALL, F. R. Features of the sheep industries of United States, New Zealand, and Australia compared. Bul. 313. 1915.

Wool grading and marketing. p. 21-33.

Wool grading and marketing: p. 21-33.

—. Progress in handling the wool clip; development in the West. In Yearbook, 1916,

p. 227-236.

 p. 227-236.
 Suggestions from Australasia to American sheep raisers. In Yearbook, 1914, p. 319-338.
 Preparation of wool for market: p. 326-333.
 and HELLER, L. L. The wool grower and the wool trade. Bul. 206. 1915.
 Official wool standards of the United States for grades of wool. S. R. A., Agr. Econ., 75. 1923.
 Regulations of the Secretary of Agriculture under the United States Warehouse Act of August 11. the United States Warehouse Act of August 11, 1916, as amended July 24, 1919. Regulations for wool warehouses. Off. Sec. Circ. 150. 1920. And amendments.

U. S. LIBRARY OF CONGRESS. DIVISION OF BIB-LIGGRAPHY. Select list of references on wool, with special reference to the tariff. 1911. 163 p.

with special reference to the tariff. 1911. 163 p.
U.S. REVENUE COMMISSION, 1865-1866. Wool and
manufactures of wool. Extract from special
report No. 13, made in May, 1866, of the United
States Revenue Commission. U.S., 61st Cong.,
2d sess., Senate. Doc. 458. 1910.
Marketing of wool: p. 55-77.
U.S. TARIFF COMMISSION. Wool growing industry.
Washington, Govt. Print. Off., 1921:
The marketing and handling of wool in the
United States: p. 216-255.
Methods of marketing wool in foreign
countries: various pages.

countries: various pages.
U. S. WAR INDUSTRIES BOARD. Government regulations for handling the wool clip of 1918. Washington, Govt. Print. Off., 1918. 8 p.

LKER, J. F. The Ohio plan of marketing wool.

Washington, Govt. Print. Off., 1918. Sp.
WALKER, J. F. The Ohio plan of marketing wool.
Md. Agr. Soc. Rept., vol. 5, 1920, p. 388-392.
WILLINGMYER, G. T. Wool marketing information.
Mo. State Bd. Agr., Monthly Bul., vol. 18,
no. 10, Oct. 1920, p. 33-36.
Wool marketing; report of the meeting of wool
growers, representatives of Bureau of Animal
Industry, Bureau of Markets, state marketing
organizations and wool dealers. Held in Columbus, Ohio, March 6, 1919. Chicago, American
Sheep Breeders Print, 1919. 71 p.

#### PART IX. HIDES AND SKINS

U. S. DEPARTMENT OF AGRICULTURE.
WHALIN, C. V., FREY, R. W., VEITCH, F. P., and HICKMAN, R. W. Country hides and skins. Skinning, curing, and marketing. Farmers' Bul. 1055. rev. May, 1922.

## PART X. DAIRY PRODUCTS

## I. GENERAL

CANADA. DEPT OF AGRICULTURE. DAIRY AND COLD STORAGE COMMISSIONER. Reports 1890-1914/15.

No more published.
CHICAGO MERCANTILE EXCHANGE. Chicago Mercantile Exchange, the great central market for butter and eggs—its methods of operation and position in the industry. Chicago, 1923. 31 p.

—. Chicago; the central market for butter and

—. Chicago, the central market for butter and eggs. Chicago, 1923. 31 p.

—. Cold storage. The key to the problem of maintaining a wholesome food supply for the nation the year round—its part in the butter and egg industry. Chicago, 1923. 22 p.

—. Getting butter and eggs to market. A detailed account of how these products are handled, and of the channels through which they pass, on their way from the producer to the ultimate consumer. Chicago, 1924. 32 p.

—. Hedging butter and eggs... Chicago. Hedging butter and eggs . . . Chicago,

1923. 20 p.

Merchandising butter and eggs. Some thoughts for the retail dealer . . . Chicago,

1923. 24 p.

Davis, L. M. A survey of the dairy marketing conditions and methods in New Hampshire. N. H. Col. Agr. and Mech. Arts, Ext. Bul. 8.

Doane, C. F. The relative profits of selling milk, cream, and butter. Md. Agr. Exp. Sta. Bul.

cream, and butter. Md. Agr. Exp. Sta. Bul. 97, 1994.
DOMINION DAIRY CONFERENCE. Report of the proceedings of a Dominion dairy conference held at Ottawa, November 25, 26, 27, and 28, 1918. Ottawa, 1919. 115 p.
Grades and standards for dairy products and the principle subject of discussion. The

Grades and standards for dairy products were the principal subjects of discussion. The National Dairy Conference was organized. DOUGLAS, L. M. Refrigeration in the dairy. London, Putney, 1994. 80 p. GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. COMMITTEE ON DISTRIBUTION AND PRICES OF AGRICULTURAL PRODUCE. Interim report on milk and milk products... Parliament Papers by command Cind Parliament. Papers by command. Cmd. 1854. 1923.

A study of the various steps in the marketing

of milk and milk products.

INTERNATIONAL ASSOCIATION OF DAIRY AND MILK INSPECTORS. Annual reports. U. S. Dept. Agr. Library has 1st-11th, 1912-

1922.

1922.

MARKETING CONFERENCE. Report of ... conference held in Chicago, Oct. 29, 1914, at National dairy show. Chicago, 1914. 30 p.
Contains articles on the marketing of milk, butter, and ice cream.

MORTENSEN, MARTIN. Management of dairy plants. N. Y., Macmillan, 1921. 358 p.
NATIONAL POULTRY, BUTTER AND EGG ASSOCIATION. Handbook ... Chicago, 1921. 40 p.
NEW YORE (STATE) DEPT. OF FARMS AND MARKETS. Statistics relative to the dairy industry in New York State, 1922, together with report on transportation of milk. Bul. 158. 1923.

QUEENSLAND PRODUCERS' ASSOCIATION. COUNCIL OF AGRICULTURE. History of Queensland dairying, together with investigation of its problems of production and marketing. 1923. 128 p. RAITT, J. A.

i28 p.
AITT, J. A. Dairy marketing survey in Colorado.
Colo. Agr. Col., Ext. Serv. Ext. Bul., ser. 1,
no. 151-A. 1919.
RUDDICK, J. A. The outlook for dairying and the
marketing of dairy produce... Canada.
Dept. Agr. Pamphlet no. 3, new ser. 1922.
Brief statement of methods of marketing
dairy products in various countries.
SAKER, D. G. Practical dairying. London, Methuen & co., 1td., 1921. 128 p.
Ch. 5, The sale of milk: p. 30-37; ch. 6, The
cream trade: p. 38-42; ch. 7, The butter trade:
p. 43-55.

p. 43-55.

TOMPRINS, N. C. The sale and advertising of dairy products. Milwaukee, Olsen Publishing Co., 1924. 127 p.

A merchandising guide for ice cream makers, creameries, milk dealers, cheese makers, and

dairy farmers.

U.S. Department of Agriculture.

Flohr, L. B., and Potts, R. C. Marketing butter and cheese by parcel post. Farmers'

Bul. 930. 1918.

HUMPHREY, J. R., and NAHSTOLL, G. A. Accounting records for country creameries. Bul.

counting records for country creameries. Bul. 559, 1917.

KNAPP, G. O., MASON, B. B., and SWARTHOUT, A. V. A classification of ledger accounts for creameries. Bul. 885, 1920.

LARSON, C. W., and others. The dairy industry. In Yearbook, 1922, p. 281-394.

Legal standards for dairy products. Bur. Animal Indus. No. 8. Rev. to July 1, 1915.

A table showing amount of fats and solids required in dairy products by the different states.

MYRICK, HERBERT. Associated dairying in New

States.

Myrick, Herbert. Associated dairying in New England. In Bur. Animal Indus., Annual rept., 4th-5th, 1887-1888; p. 375-386.

Pearson, R. A. The dairy industry and dairy markets of Porto Rico. With notes upon St. Thomas and Cuba. In Bur. Animal Indus., Annual rept., 18th, 1901, p. 306-397.

——. Notes upon dairying in California and the export of California butter to the Orient. Bur. Animal Indus. Bul. 24. 1900.

Potrs, R. C. Marketing practices of Wisconsin and Minnesota creameries. Bul. 690. 1918.

Rules and regulations of the Secretary of Agriculture governing the inspection and certification of butter, cheese, and eggs. S. R. A., Agr. Econ., 79. 1923.

WICKSON, E. J. Dairying in California. Bur. Animal Indus. Bul. 14. 1896.

U. S. FEDERAL TRADE COMMISSION. Report on milk and milk products, 1914-1918. Washington, D. C., 1921. 234 p.

WILSON, C. N. A system of accounts for creameries. Wis. Dept. Markets. Bul. vol. 2, no. 13. 1921.

1921.

Some states have dairy commissions which issue reports. It has not been practicable to analyze all of these reports, although many of them contain articles of interest on the marketing of dairy products.

## COOPERATIVE MARKETING

AMERICAN FARM BUREAU FEDERATION. Report of the National Dairy Marketing Conference held in the Congress Hotel, Chicago, May 3 and 4, 1921. A source book on cooperative marketing of dairy products. Chicago, American Farm Bureau Federation, 1921. Il 10 p. BRIGHAM, E. L. Cooperative dairying. Mass. State Bd. Agr. Circ. 69. 1917. DURAND, E. D., and ROBOTKA, FRANK. Cooperative creameries and cheese factories in Minnescota, 1914. Minn. Agr. Exp. Sta. Bull 166. 1917.

sota, 1914. Minn. Agr. Exp. Sta. Bul. 166. 1917.

ENGLUND, ERIC. Survey of typical Oregon farmers' creameries. Oreg. Agr. Exp. Sta. Bul. 168.

FARRINGTON, E. H., and BENKENDORF, G. H. Organization and construction of creameries and cheese factories. Wis. Agr. Exp. Sta. Bul.

244. 1915.

HOWALD, O. The organization of the cooperative dairies and of their federations in Switzerland. In Internat. Rev. of Agr. Econ. vol. 2, no. 1, Jan./Mar. 1924, p. 62-89.

Macklin, Theodore. Fifty years of dairy progress and plans for fifty more. Marketing. Wis. Col. Agr. Ext. Serv. Circ. 145. 1922.
MATTSON, A. L. Wisconsin's cooperative creamery industry. 1. Assembling problems. Wis. Dept. Markets Bull vol. 4 no. 6 Oct. 3, 1923. Dept. Markets, Bul. vol. 4, no. 6, Oct. 31, 1923.

MOBTENSEN, MARTIN, and DAVIDSON, J. B. Creamery organization and construction. Iowa Agr. Exp. Sta. Bul. 139, pts. 1-2. 1913. Pt. 2 is Building Plans.

#### 2. BUTTER

GUTHRIE, E. S. The book of butter; a text on the nature, manufacture, and marketing of the product. N. Y., Macmillan, 1923.
Ch. 12, Marketing: p. 188-210.

1

HIBBARD, B. H., and HOBSON, ASHER. The marketing of Wisconsin butter. Wis. Agr. Exp. Sta. Bul. 270. 1916.

HUNZIKER, O. F. The butter industry. La Grange, Ill., 1920. 710 p.

JOINT COMMITTEE ON DEFINITIONS AND STAND-ARDS OF BUTTER. Butter standards; sugges-tions presented to the Joint Committee on Definitions and Standards... by James Soren-son, Chris Heen, H. Sandholt. St. Paul, 1918. 16 p.

—. Suggestions for a standard for butter presented on behalf of Swift & Company to the Joint Committee on Definitions and Standards . . . Chicago, Swift & Co., 1917. 75 p.

ards . . . Chicago, Switt & Co., 1917. 75 p.

— Statements on the subject of definitions and standards of butter, presented to the Joint Committee on Definitions and Standards by O. F. Hunziker, F. W. Bouska, T. A. Borman, G. L. McKay. 1918. 106 p.

This committee is composed of three members each of the following organizations: U. S. Dept. of Agricultural Chemists, and Association of American Dairy, Food and Drug Officials.

"References": p. 52-53.

Macklin, Theodore. The marketing of Kansas butter. Kans. Agr. Exp. Sta. Bul. 216. 1917.

Marker, C. Grading of creamery butter. Alberta, Dept. Agr., Dairy Commissioner's Branch, 1916. 9 p.

I. S. DEPARTMENT OF AGRICULTURE.

GRAY, C. E., and McKAY, G. L. Investigations in the manufacture and storage of butter. Bur. Animal Indus. Bul. \$4. 1906.

HAYWARD, HARRY. Facts concerning the history, commerce, and manufacture of butter. Bur. Animal Indus. Circ. 56. 1904.

Inspection of butter under the Food products inspection law. S. R. A. Markets, 51. 1919.

POTTS, R. C., and MEYER, H. F. Marketing creamery butter. Bul. 456. 1917.

— and WHITE, WILLIAM. Suggestions for the manufacture and marketing of creamery butter in the South. Off. Sec. Circ. 66. 1916.

ROGERS, L. A., BERG, W. N., POTTEIGER, C. R., and DAVIS, B. J. Factors influencing the change in flavor in storage butter. Bur. Animal Indus. Bul. 162. 1913.

— The manufacture of butter for storage. Bur. Animal Indus. Bul. 148. 1912.

148. 1912.

WARBER, G. P. A study of prices and quality of creamery butter. Bul. 682. 1918.

S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Butter bill... Hearings... U.S., 67th Cong., 2d sess., June 17 and 21, 1922. Series DD.

U. S. DEPT. OF LABOR. BUREAU OF LABOR STATISTICS. Butter prices, from producer to consumer. Retail Prices and Cost of Living Series. 15.

1914.
ss., EDWARD. The butter industry in the United States; an economic study of butter and oleomargarine. Columbia univ. Studies and oleomargarine and subject to the state of the state in history, economics, and public law. vol. 69, no. 2; whole no. 165. 1916.

Published also as thesis (Ph. D.) Columbia

University.

## 3. CHEESE

BABCOCK, S. M., and RUSSELL, H. L. The cheese industry, its development and possibilities in Wisconsin. Wis. Agr. Exp. Sta. Bul. 60. 1897. COLOUETTE, R. D., and JEDNYEY, B. G. Production and marketing of Ontario cheese. Ontario Dept. of Agr. Bul. 291. 1922. ELLENBERGER, H. B. Cold storage of cottage and other soft curd cheese. Vt. Agr. Exp. Sta. Bul. 213. 1919.

ELLENBERGER, H. B. Cold storage of cottage and other soft curd cheese. Vt. Agr. Exp. Sta. Bul. 213. 1919.

HIBBARD, B. H., and HOBSON, ASHER. Markets and prices of Wisconsin cheeses. Wis. Agr. Exp. Sta. Bul. 251. 1915.

MACKIN, THEODORE. Marketing by cooperative sales companies. Wis. Agr. Exp. Sta. Bul. 346. 1923.

This is a study of the Wisconsin Charleston.

This is a study of the Wisconsin Checse Producers' Federation.

ROBERTSON, J. W. Export of cheese and apples.
Evidence . . . before the Select Standing Committee on Agriculture and Colonization.

3. Ottawa, S. E. Dawson, 1901.
TAYLOR, H. C., SCHOENFELD, W. A., and WEHR-WEIN, G. S. The marketing of Wisconsin cheese. Wis. Agr. Exp. Sta. Bul. 231. 1913.

THOM, CHARLES, and FISK, W. W. The book of

HOM, CHARLES, and FISK, W. W. The book of cheese. N. Y., 1918. 392 p.
Ch. 20: Marketing.
S. DEPARTMENT OF AGRICULTURE.
FRYHOFER, C. W., and POTTS, R. C. Handbook for use in the inspection of whole-milk American cheese under the Food products inspection law. Off Sec., Circ. 157. 1923.
GILBERT, B. D. The cheese industry of the State of New York. Bur. Animal Indus. Bul. 15. 1896.

1896.

JAMES, D. L. Suggestions for the marketing of cottage cheese. Dept. Circ. 1. 1919.

LANE, C. B. The cold storage of cheese. Bur. Animal Indus. Bul. 83. 1906.

MACPHERSON, HECTOR, and KERR, W. H. A federated cooperative cheese manufacturing and marketing association. In Yearbook,

1916, p. 145-157.
WISCONSIN. DEPT. OF MARKETS. Wisconsin grades
for American cheese. Bul., vol. 2, no. 15, Dec.

31, 1921.

—. Wisconsin grades for foreign cheese. Bul., vol. 3, no. 2, June 30, 1922.

#### 4. MILK AND CREAM

AMOTT, A. L. The milk supply of Chicago. Univ., Studies Sci. no. 2, 1921, p. 170-181.

Bennerch, P. B. The market milk business in New Jersey. Some of its economic aspects. N. J. Dept. Agr. Bul. 25. 1920.

—. Standard grades for market milk. N. J. Dept. Agr. Circ. 51. 1922.

BOSTON, CHAMBER OF COMMERCE. COMMITTEE ON AGRICULTURE. Grading and labeling of ON AGRICULTURE. Grading and lab milk and cream. Boston, 1916. 24 p.

—. Investigation and analysis of the production, transportation, inspection, and distribution of milk and cream in New England. Boston, 1915. 63 p.

BOSTON. CHAMBER OF COMMERCE. COMMITTEE ON AGRICULTURE. The milk question in New England; an investigation of the cost of producing milk in New England and its distribution in Boston. Boston, 1917. 57 p.

BROWNELL, S. J. Studies in city milk distribution. Mich. Agr. Exp. Sta. Special Bul. 111. 1921.

A report of studies of milk distribution in Fast Larsing Lassing Kalamagoa and Flint

East Lansing, Lansing, Kalamazoo, and Flint,

East Lansing, Lansing, Rhammand, and Than, Mich.
Canada. Food Controller. Milk Committee, Report of the Milk committee appointed by the Food controller for Canada, to investigate milk supplies for urban municipalities. Including a plan for the reorganization of milk distribution. Ottawa, 1917. 20 p.

CANCE, A. E., and FERGUSON, R. H. Cost of dis-tributing milk in six cities and towns of Massa-

chusetts. Mass. Agr. Exp. Sta. Bul. 173. 1917.
ICAGO. CITY COUNCIL COMMITTEE ON
HEALTH. Report on the more economic dis-tribution and delivery of milk in the city of CHICAGO. Chicago. Chicago, Public Library, Municipal Reference Bul. 8. 1917.

Reference Bul. 8. 1917.

COLUMBUS. CHAMBER OF COMMERCE. Report of committee appointed to investigate the milk problem of Columbus... Columbus, Ohio, 1919. 35 p.

COMMISSION ON MILK STANDARDS. Summary of reports of the Commission on Milk Standards appointed by the New York Milk Committee. U. S. Public Health Service. Reprint no. 634 1921 S. Pu

Reprinted from Public Health reports, May

Reprinted from Public Health reports, May 10, 1912, p. 673-700; Aug. 22, 1913, p. 1733-1756; Feb. 16, 1917, p. 271-314; Jan. 17, 1919, p. 69-71; and Dec. 10, 1920, p. 2955-2958.

RTIS, D. H. 1916-1919 legislation relative to milk (in the several States). Providence, R. I., State Library, Legislative Ref. Bur., 1920. 10 p. Gives review of legislation in regard to produce the second of the sec CURTIS. duction and handling of dairy products in the different States.

allierent States.

DAY, J. C. Milk and milk markets in New York
City. N. Y. State Dept. of Farms and Markets Bul. 124, p. 68-73. 1919.

ERDMAN, H. E. Marketing of whole milk. N. Y.,
Macmillan, 1921. 333 p.
Bibliography: p. 317-322.

ERF, OSCAR. Standardization of milk and cream.

ERF, OSCAR. Standardization of milk and cream. Ill. Agr. Exp. Sta. Bul. 75. 1902.
FRYHOFER, C. W. Care of cream on the farm and ice house construction. Vt. Dept. Agr. Bul.

ice house construction. Vt. Dept. Agr. Bul. 20. 1914.
GILBERT, A. W. Work of the Federal Milk Commission. N. Y. State Dept. of Farms and Markets. Bul. 124, p. 74-81. 1919.
GOVERNORS' TRI-STATE MILK COMMISSION. Report of the Governors' tri-state milk commission to . . . governor of Pennsylvania . . . governor of Maryland . . . governor of Delaware by the milk commissions of Pennsylvania, Maryland, Delaware. Pa. Dept. Agr. Bul. 287. 1917.
Distribution: p. 29-46; Surplus milk supply: p. 46-51; Grading: p. 52-56.
GREAT BRITAIN. BOARD OF AGRICULTURE AND

GREAT BRITAIN. BOARD OF AGRICULTURE AND FISHERIES. COMMITTEE ON PRODUCTION AND DISTRIBUTION OF MILK. Report, 1st-3d interim, final, 1917-1919. Parliament. Papers by command 8608, 8886, 315, 483.

by command 8608, 8886, 315, 483.

GREAT BRITAIN. INTER-DEPARTMENTAL COMMITTEE ON THE LAWS, REGULATIONS AND PROCEDURE GOVERNING THE SALE OF MILK IN SCOTLAND. Report . . . Parliament. Papers by command. Cmd. 1749, 1922.

HALL, N. C. Milk distribution costs and profits, Wisconsin, 1920. Wis. Dept. Markets. Bi-mo. Bul., vol. 2, no. 14, Oct., 1921.

HAMMER, B. W., and HAUSER, A. J. Studies on the market milk of Iowa. Iowa Agr. Exp. Sta. Bul. 164, 1916.

Bul. 164. 1916. HEDRICK, W. O., and ANDERSON, A. C. The Detroit commission plan of city milk administra-

tion. Mich. Agr. Exp. Sta., Special Bul. 99. 1920 HEPBURN, N. W., and RUEHE, H. A. Operation of the cream receiving station. Ill. Agr. Exp.

Sta. Circ. 234. 1919.

HIBBARD, B. H., and ERDMAN, H. E. Marketing
Wisconsin milk. Wis. Agr. Exp. Sta. Bul.

285. 1917. Hine, G. S. Cream grading for Kansas. Kans.

Agr. Exp. Sta. Circ. 39. 1914.

INGALIS, WALLACE. A record of achievement in adjusting milk prices. Racine, Wis., 1918.

JENNINGS, I. G. A study of the New York city milk problem. N. Y., National Civic Federa-

Jones, C. M. The milk supply of Minneapolis.
Minn. Dairy and Food Dept. Bul. 53. 1914.

KANSAS. AGRICULTURAL EXPERIMENT STATION.
The permit system of cream-buying. Revised by H. M. Jones and others. Inspection Circ. 9. 1919.

Kelly, Ernest. Market milk. N. Y., J. Wiley & Sons, 1923. 445 p.

King, C. L. Consumer's prices and distribution policies in their relation to farmer's prices. N. J. Dept. Agr., Bul. 20, p. 319-328. 1919. An address delivered at the meeting of the State Dairymen's Association, Trenton, N. J.,

Jan. 16, 1919.

The price of milk. Philadelphia, The John C. Winston Co., 1920. 336 p.
Pt. 1: Price of milk to the producer. Pt. 2: Cost of distributing milk. Pt. 3: Fair price policies.

policies.
LEIGHTON, G. Some problems of the milk industry.
In Scotland, Highland and Agricultural Society. Trans., 5th ser., 33, 1921, p. 180-229.
MACNUTT, J. S. The modern milk problem in sanitation, economics, and agriculture. N. Y.,

sanitation, economics, and agriculture. N. Y., Macmillan, 1917. 258 p.
References: p. 1177-183.

Martin, M. E. A contribution to bibliography on the production, distribution and price of milk... Dec. 1921. Typewritten.

"Reference section, New York State Library."
MARYLAND COUNGL OF DEFENSE. Milk cost survey for the week Nov. 26 to Dec. 2, 1917. Baltimore, 1917. 42 p.
Mead, Elwood. Progress report on the production and distribution of milk. Calif. Agr. Exp. Sta. Circ. 175. 1917.
MICHELS, JOHN. Handling and marketing of milk and cream. N. C. Agr. Exp. Sta. Bul. 198. 1998.

MICHIGAN. STATE BOARD OF AGRICULTURE. distribution in Detroit. In Rept. 1918, p. 192-195.

MILK PRODUCER'S ASSOCIATION OF SAN DIEGO COUNTY (CALIF.) Annual report. U. S. Dept. Agr. Library has 1st-4th, 1917/18-1920/21.

Contain reports of work and methods of operation of the association.

NATIONAL FARMERS' UNION. Methods of milk production and distribution in the United States and Canada... report... by E. W. Langford... London, The National Farmers' Union,

Production and unstrough in the Canadas States and Canada... report... by E. W. Langford... London, The National Farmers' Union, 1922. 24 p.

New York (City) Mayor's Committee on Milk. Report. N. Y., 1917. 85 p.
Pt. 9: Cost of distribution. Pt. 10: Surplus milk. Pt. 11: Market prices and price fixing. Pt. 13: Economies in distribution.

New York (State) Council of Farms and Markets. Preliminary report... of its investigation of the cost of production and distribution of milk in New York State. Albany, 1919. 29 p. (Legislative doc. no. 94.)

New York (State) Fair Price Milk Committee for the City of N. Y. Report... N. Y., The Hecla Press, 1920? 78 p.

Parker, H. N. City milk supply. N. Y., McGraw-Hill, 1917. 493 p.

"Sources" at end of most of the chapters. Ch. 5: Transportation of milk. Ch. 6: The milk contractor.

Ch. 5: Transportation of hinds of the milk contractor.

Patter, Richard. The benefits of organization in the marketing of milk. Md. Agr. Soc. Rept. 1918, p. 197-208.

—. What organization has done for the milk business. Mass. State Bd. of Agr. Circ. 79.

1918. PEMBLETON, J.

1915.
MELETON, J. G. Milk dealers license law.
N. Y. State Dept. of Farms and Markets, Bul.
124, p. 81-85. 1919.
ILADELPHIA. CHAMBER OF COMMERCE, EDUCATIONAL COMMITTEE. Milk and its distribution
in Philadelphia, Philadelphia, 1917. 12 p. PHILADELPHIA.

in Philadelphia. Philadelphia, 1917. 12 p.
Educational pamphlet 8.
Rochestrer, N. Y. Common Council. Committee
on Public Safety. Report of the Rochester
Milk survey. Rochester, 1919. 227 p.
Contains survey of costs of distribution.
Rupdick, J. A., and Burgess, Joseph. Small cold
storages and dairy buildings. Canada, Dept.
Agr. Pamphlet no. 16, new ser. 1923.
Reprint of Bul. 49.
Ryger, A. P. Cooperative marketing of cream.
S. Dak. State Col. Agr. Ext. Leaflet 24. 1924.
STOCKING, W. A., AYRES, W. E., POTTS, R. C. and
Meyer, H. F. Country milk stations: Function, organization, operation, construction, and
equipment. Cornell Univ. Col. Agr., Ext.
Bul. 30. 1918.

THOMSEN, F. L. Marketing milk in six cities of Kansas. Kans. Agr. Exp. Sta. Bul. 230. 1923. TRUEMAN, J. M. Milk supply of Chicago and twenty-six other cities. Ill. Agr. Exp. Sta. Bul. 120. 1907.

U. S. DEPARTMENT OF AGRICULTURE.
ALVORD, H. E., and PEARSON, R. A. The milk supply of two hundred cities and towns. Bur. Animal Indus. Bul. 46. 1903.

Bowen, J. T. The application of refrigeration to the handling of milk. Bul. 98. 1914.

— Lee houses and the use of ice on the dairy farm. Farmers' Bul. 623. 1915.

CLEMENT, C. E. Milk-plant operation. Bul. 973. 1923.

and WARBER, G. P. The market milk business of Detroit, Mich., in 1915. Bul. 639. 1918.

DOANE, C. F. The milk supply of twenty-nine southern cities. Bur. Animal Indus. Bul. 70. 1905.

Contains regulations of sale of milk in the cities studied. Gamble, J. A., and Bowen, J. T. Cooling milk and storing and shipping it at low temperatures.

Bul. 744. 1919.

Jesness, O. B., Barber, W. H., Swarthout, A. V., and Clement, C. E. Producers' cooperative milk-distributing plants. Bul.

Kelly, Ernest, The control of bulk milk in stores. Bur. Animal Indus. Circ. 217, 1913. Reprinted from the 28th Ann. Rept. Bur. of Animal Indus. 1911.

U. S. DEPARTMENT OF AGRICULTURE—Contd.
KELLY, ERNEST, and LEETE, C. S. Inspection of milk supplies. Dept. Circ. 276. 1923.
Sanitary milk production. Report of a Conference appointed by the Commissioners of the District of Columbia, with accompanying papers. Bur. Animal Indus. 114. 1907.
WARD, E. G. Milk transportation: Freight rates to the largest fifteen cities in the United States. Bur. Stat. Bul. 25. 1993.
WHITAKER, G. M. The milk supply of Boston and other New England cities. Bur. Animal Indus. Bul. 20. 1898.

—... The milk supply of Boston, New York, and Philadelphia. Bur. Animal Indus. Bul. 81. 1905.

81. 1905.

The milk supply of Chicago and Washington. Bur. Animal Indus. Bul. 138. 1911.

ington. Bur. Animal Indus. Bul. 138. 1911.

U.S. CONGRESS. HOUSE. COMMITTEE ON DISTRICT OF COLUMBIA. Sale of milk, cream, and certain milk products in the District of Columbia. Hearings ... on H. R. 7746 and 8895. 12 pts. U. S., 67th Cong., 1st sess. 1921-22.

U. S. FOOD ADMINISTRATION. MILK COMMITTEE. The production, distribution, and food value of milk. A report to Herbert C. Hoover by the Milk Committee, Clyde L. King, Chairman. 1918. 41 p.

Pt. 2: Distribution costs.

WASHBURN, R. M. Productive dairying. Philadelphia, Lippincott, 1917. 432 p. (Lippincott's farm manuals, ed. by K. C. Davis.)

Pt. 7, Market milk: p. 383-409.

WILLOUGHBY, C. L. Marketing milk and cream in Florida. In Fla. Dept. Agr., 14th bien. rept., 1915-16, pt. 2, p. 131-136.

## PART XI. POULTRY AND EGGS

#### 1. GENERAL

BENEDICT, M. R. Efficient marketing of eggs and poultry. S. Dak. State Col. Agr. and Mech. Arts. Ext. Leaflet 18. 1923.

Arts. Ext. Leaner 15. No. 18. Acres 18. Acres 18. N. Y., J. Wiley & Sons, inc.; London, Chapmar & Hall, Itd., 1923. 328 p. (Poultry science ser., ed. by J. E. Rice)

Bibliography: p. 313-320.

GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. COMMITTEE ON DISTRIBUTION AND PRICES OF AGRICULTURAL PRODUCE. Interim report on meat, poultry, and eggs. Parliament. Papers by command. Cmd. 1927. 1923.

HARE, J. H., and BENSON, T. A. Farm poultry and egg marketing conditions in Ontario County. Ontario. Dept. Agr. Bul. 208. 1913. NATIONAL POUTER, BUTTER AND EGG ASSOCIA-TION. Handbook... Chicago, 1921. 40p.

STONEBURN, F. H. The marketing of poultry products. Conn. Agr. Exp. Sta. Bul. 38. 1906. U. S. DEPARTMENT OF AGRICULTURE. FOSSUM, ANDREW. The poultry and egg industry of leading European countries. Bur. Animal Indus. Bul. 65 1004

Animal Indus. Bul. 65. 1904.
Foreign markets for eggs and poultry. In Bur. Animal Indus. Ann. Rept., 16th, 1899, p. 321–345.

DENNINGTON. M. E., PIERCE, H. C., and SCHRA-DER, H. L. The egg and poultry demonstra-tion car work in reducing our \$50,000,000 waste

tion car work in reducing our \$50,000,000 waste in eggs. In Yearbook, 1914, p. 263–380.

PIERCE, H. C. How the produce dealer may improve the quality of poultry and eggs. In Yearbook, 1912, p. 345–352.

WILEY, H. W. A preliminary study of the effects of cold storage on eggs, quall, and chickens. Bur. Chem. Bul. 115. 1908.

#### COOPERATIVE MARKETING

Adams, G. A. How to form cooperative egg and poultry associations. National Agricultural Organization Society. Circ. 5. 1917?

Benson, T. A. Cooperation in marketing poultry products. Canada. Dept. of Agr. Bul. no. 25, new ser., 1923.

#### 2. POULTRY

BENJAMIN, E. W. Report of committee on poultry marketing. N. Y. State Dept. Farms and Markets Bul. 109, p. 119-122. 1919
BROWN, E. Report on the poultry industry in the Netherlands. London, John Bale, Sons & Danielsson, itd., 1921. 136p.
MITCHELL, R. V. Methods of fattening, dressing, and marketing poultry. Mo State Bd. Agr., Monthly Bul., vol. 11, no. 2. Feb., 1913.
MIXA. F. E. Market poultry business. Mo. State Poultry Bd. Bul. 11. 1916.
PAYNE, L. F. Fattening and marketing poultry. Mass. Agr. Col. Ext. Leaflet 11. 1921.
U. S. DEPARTMENT OF AGRICULTURE.
PENNINGTON, M. E. Changes taking place in chickens in cold storage. In Yearbook, 1907, p. 197-206.

p. 197-206.

U. S. DEPARTMENT OF AGRICULTURE—Contd.
PENNINGTON, M. E. The handling of dressed poultry a thousand miles from the market. In Yearbook, 1912, p. 285-292.

—. Studies of poultry from the farm to the consumer. Bur. Chem. Circ. 64. 1910.

and others. The comparative rate of decomposition in drawn and undrawn market poultry. Bur. Chem. Circ. 70. 1911.

The refrigeration of dressed poultry in transit. Bul. 17. 1913.

SLOCUM, R. R. N Bul. 1377. 1924. Marketing poultry. Farmers'

Wilson, W. A. Fleshing chickens for market. Saskatchewan Dept. Agr. Bul. 25, 1914.

#### 3. EGGS

BENJAMIN, E. W. Preparation of eggs for market. Cornell Univ., Col. Agr. Ext. Serv. Cornell Reading Course for the Farm. Lesson 133

1918.

BROWN, W. A. The care of market eggs. Canada.

Dept. Agr., Livestock Commissioner's Branch,
Bul. 16 1912.

CANADA. DEPT. OF AGRICULTURE, LIVESTOCK
BRANCH. POULTRY DIVISION. Payment for
eggs according to quality. Pamphlet 6, 4th ed. 1916.

ed. 1916.

CHICAGO MERCANTILE EXCHANGE. Chicago mercantile exchange, the great central market for butter and eggs—its methods of operation and position in the industry. Chicago, 1923. 31p.

— Chicago; the central market for butter and eggs. Chicago, 1923. 31p.

— Cold storage. The key to the problem of maintaining a wholesome food supply for the nation the year round—its part in the butter and egg industry. Chicago, 1923. 22p.

— Getting butter and eggs to market. A detailed account of how these products are handled, and of the channels through which they pass, on their way from the producer to the ultimate consumer. Chicago, 1924. 32p.

— Hedging butter and eggs. Chicago, 1923.

20 p. Merchandising butter and eggs. Some thoughts for the retail dealer. Chicago, 1923.

CLARE, A. L., and HUNDERTMARE, W. L. Packing eggs for market shipment. N. J. Dept. Agr. Circ. 32. 1920.

COOPER, MADISON. Eggs in cold storage. Chicago. H. S. Rich & Co., 1899. 88 p.

GROESBECK, B., and URNER, F. G. Economic effect of cold storage upon the average price of eggs. N. Y., Joint Commission Cold Storage Warehousemen and Affiliated Industries, 1916.

10 p.

Iowa. Dairy and Food Commission. Iowa egg regulations. Bul. 23. 1919.

Iowa. State College of Agriculture and Me-

CHANG ARTS. COLLEGE OF AGRICULTURE AND ME-CHANG ARTS. AGRICULTURAL EXTENSION DE-PARTMENT. Care, candling, and grading of market eggs. Ext. bul. 25, rev. ed. 1917. KILPARIKE, M. C. Care of eggs for market. Ohio Agr. Col., Ext Serv. Bul. vol. 12, no. 1.

1916.

LACKIE, H. M. Cooperative egg selling. Wis. Dept. Markets Bul. vol. 3, no. 5, Aug. 31, 1922. MAINE. DEPT. of AGRICULTURE. Packing and shipping of farm products. Bul. vol. 20, no. 3,

Apples, potatoes, and eggs.

Mussehl, F. E. Graded eggs bring better prices.

Nebr. Col. Agr., Ext. Circ. 1411, rev. July,

Discusses prices, factors influencing egg val-

ues, deterioration, packing, and shipping.
W YORK BUTTER AND EGG EXCHANGE, INC.
Rules governing transactions in eggs on the
New York Butter and Egg Exchange, inc., effective July 15, 1916. 36 p.

Pennington, M. E. Effect of ventilation on keeping qualities of eggs in cold storage. Marble laboratory, inc. Storage investigations, 1921-1922, p. 3-13.

— and Pierce, H. C. Handling and grading eggs for market. Mo. State Poultry Exp. Sta. Bul. 5, pt. 2. 1914.

PHLIPS, A. G. Marketing eggs in Indiana. Purdue Univ., Dept. Agr. Ext., Ext Bul. 120. 1923.

— The marketing of eggs. Kans. Agr. Exp. Sta. Bul. 162. 1999.

QUISENBERRY, T. E. The production and handling of market eggs. Mo. State Poultry Exp. Sta. Bul. 5pt. 1. 1914.

THOMPSON, C. W. Technical studies in egg marketing. Minn. Agr. Exp. Sta. Bul. 132. 1913.

U. S. DEPARTMENT OF AGRICULTURE.

BASSETT, C. E., and KERR, W. H. The community egg circle. Farmers' Bul. 556. 1915.

FLOHR, L. B. Marketing eggs by parcel post. Farmers' Bul. 530. 1917.

Supersedes Farmers' Bul. 594. Shipping eggs by parcel post.

Supersedes Farmers' Bul. 594. Shipping eggs

by parcel post.

Hasnixgs, M. M. Egg trade of the United States
Bur. Animal Indus. Circ. 140, 1909.

How to load cars of eggs. Dept. Circ. 55, 119.

It's easy to get corn belt eggs to market in prime condition. 1918.

condition. 1918. Direction for crating.

It's easy to get Southern eggs to market in prime condition. 1918.

Directions for crating.

JENKINS, M. K. Commercial preservation of eggs by cold storage. Bul. 775. 1919.

— and BENGTSON, C. A. Efficiency of commercial egg candling. Bul. 702. 1918.

LAMON, H. M. The handling and marketing of eggs. In Yearbook, 1911, p. 467-478.

PENNINGTON, M. E., JENKINS, M. K., and BETTS H. M. P. How to candle eggs. Bul. 565. 1918.

— and others. The prevention of breakage of eggs in transit when shipped in carlots. Bul. 664. 1918.

664. 1918.

— and Pierce, H. C. The effect of the present method of handling eggs, on the industry and the product. In Yearbook, 1910, p.

461-476.

Rules and regulations of the Secretary of Agri-culture governing the inspection and certifica-tion of butter, cheese, and eggs. S. R. A., Agr. Econ., 79. 1923. SLOCUM, R. R. Marketing eggs. Farmers' Bul.

SLOCUM, R. R. Marketing eggs. Farmers' Bul. 1378. 1924.

— Marketing eggs through the creamery. Farmers' Bul. 445. 1911.

U. S. CONGRESS. JOINT COMMITTEE ON AGRICULTURE. Frozen eggs. Hearing . . . on H. R. 9521 . A bill to prevent hoarding and deterioration of cold storage foods . . . U. S., 66th Cong., 3d sess. 1921.

UPTON. H. E. Care and marketing of eggs. British Columbia. Dept. Agr. Livestock Branch. Bul. 55. 1913.

COUNTIONS. 2057.

55. 1913.

WARE, J. F., and SMITH, R. L. Marketing eggs,
Mont. State Col. Agr. and Mech. Arts., Ext.
Sev. Publication 48. 1921.

## PART XII. FRUITS AND VEGETABLES 1. GENERAL

tables. Philadelphia, 1918. 7 p.
Gives photographs of certain containers, with

dimensions, which are recommended as stand-

GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. COMMITTEE ON DISTRIBUTION AND PRICES OF AGRICULTURAL PRODUCE. Interim report on fruit and vegetables... Parliament. Papers by command. Cmd. 1892. 1923. ment. Papers by command. Cmd. 1892. 1923.

"Methods and costs of selling and distributing fruit and vegetables."

HALL, H. B. Preliminary study of the methods and means of handling fresh produce in Rhode Island. R. I. Agr. Exp. Sta. Bul. 192. 1923.

HUTT, W. N. Marketing fruit and truck crops. Md. Agr. Exp. Sta. Bul. 116. 1907.

International Apple Shippers' Association. Grade and standardization laws, United States and Canada . . . Rochester, N. Y., International Apple Shippers' Assoc., 1924? Special pamphlet, 1923-1924.

Contains all important laws relating to grades, packing, packages, standards, and the Food and Drugs Act, together with opinions, decisions, etc. Laws relate to both fruits and vegetables.

McElheny, V. K., jr. The economic value of the auction as a distributor of perishable commodities. 1917. In 2d Pan Amer. Sci. Cong. Proc. 1915-16, vol. 3, p. 740-748.

Also issued as a reprint.

MAINE, DEPT. OF AGRICULTURE. Packing and shipping of farm products. Bul., vol. 20, no. 3.

Apples, potatoes, and eggs.

PENNSYLVANIA. DEPARTMENT OF AGRICULTURE. Rules and regulations providing standard barrels for fruits and vegetables. General Bul.

350. 1920.

Rules and regulations providing for standfor grapes and other

Rules and regulations providing for standard climax baskets...for grapes and other fruits and vegetables and for standard crates, baskets and other containers for berries and fruits and vegetables. General Bul. 348. 1920.

PHILLIPS, R. G., assisted by FRASER, SAMUEL. Wholesale distribution of fresh fruits and vegetables, prepared for the Joint Council of the National League of Commission Merchants of the United States... the Western Fruit Jobbers' Association of America... International Apple Shippers' Association ... Rochester, N. Y., Fish-Lyman Co., inc., 1922. 236 p.

PORT of NEW YORK AUTHORITY. Carrying fruits and vegetables to 8,000,000 people in Port of New York district, based on cooperative studies by the Port of New York Authority and Bureau of Agricultural Economics, W. P. Hedden in charge of research work. Issued by

Hedden in charge of research work. Issued by the Educational Council, cooperating with the Port of New York Authority . . . N.Y., 1923. 12 p.

REYNOLDS, B. A. What standardization means to the consumer. Calif. Dept. Agr. Monthly Bul., vol. 8, Oct. 1919, p. 555-556. Discusses the benefits of the California

standardization law to the consumers of fruits

standardization law to the consumers of truts and vegetables.

SCHLEUSSNER, O. W. Marketing perishables. In Kans. State Hort. Soc. Bien. Rept., 1918, vol. 34, p. 122-127.

SHAW, S. B. The preparation of fruit and vegetables for market. N. C. Dept. Agr. Bul.,

vol. 30, no. 5, 1909.

SOUTHERN FRUIT AND VEGETABLE MARKETING
COMMISSION. Minutes of Southern fruit and

COMMISSION. Minutes of Southern fruit and vegetable marketing conference. Birmingham, Ala., October 13 and 14, 1922. Dallas, Tex., Southern Fruit and Vegetable Marketing Commission, 1922. 15 p.

XAS. DEPARTMENT OF AGRICULTURE. Standards for fruits and vegetables and food containers, authorized by statute, with rules and regulations by commissioner of agriculture and interpretations by E. W. Cole, director of Bureau of markets. Rev. ed. Austin, 1921. 51 p. TEXAS.

Bureau of markets. Rev. ed. Flath.,
51 p.
U. S. Department of Agriculture.
Collins, J. H., Fisher, J. W., ir., and Sherman,
W. A. Methods of wholesale distribution of
fruits and vegetables on large markets. Bul.
267. 1915.
Downing, F. P. Standard containers for fruits
and vegetables. Farmers' Bul. 1196. 1921.
— and Spilman, H. A. Standard baskets for
fruits and vegetables. Farmers' Bul. 1434.

U. S. DEPARTMENT OF AGRICULTURE—Contd.
EARLE, F. S. Development of the trucking
interests. In Yearbook, 1900, p. 437-452.
FISHER, J. W., Jr., COLLINS, J. H., and SHERMAN,
W. A. Outlets and methods of sale for shippers
of fruits and vegetables. Bull 268, 1915.

w. A. Outlets and methods of sale for snippers of fruits and vegetables. Bul. 266. 1915. Fiske, G. B. Following the produce markets. In Yearbook, 1918, p. 277-288. FLOHR, L. B. The marketing of canning club products. Markets Doc. 5. 1917. KRAMER, H. E., and Fiske, G. B. Why produce inspection pays. In Yearbook, 1919, p. 210-234. 319-334.

Rules and regulations . . . governing the inspection and certification of fruits, vegetables, and other products. Issued August, 1924. S. R. A. Agr. Écon. 85

Agr. Econ. 85.
Supersedes S. R. A. Agr. Econ. 78.
Amendment no. 1. Official standards for the inspection of barreled apples.
Rules and regulations of the Secretary of Agriculture under the Food products inspection law of May 11, 1922. Off. Sec., Circ. 160.
Rules and regulations of the Secretary of Agriculture under the United States standard container act of August 31, 1916. Off. Sec., Circ. 76. 1917.
SAMSON, H. W. March of standardization. In Yearbook, 1920, p. 353-362.
Grades and standards for fruits and vege-

Grades and standards for fruits and vege-

tables.

U.S. Congress. House. Committee on Coinage, S. CONGRESS. HOUSE. COMMITTEE ON COINAGE, WEIGHTS, AND MEASURES. Fixing standards for hampers, round stave baskets, etc., and establishing standard apple boxes. Hearings . on H. R. 12350 . U. S., 66th Cong., 2d sess., Apr. 2, 1920. Pts. 1 and 2. — Hearings . on H. R. 5956, H. R. 1741, H. R. 17822, and H. R. 17936. February 17, 1912. 42 p.
H. R. 5956: to fix the sizes of baskets or other open containers for small fruits and berries; H. R. 1741, to prevent the manufacture or use

H. R. 1741: to prevent the manufacture or use of dishonest or fraudulent weighing or measur-ing appliances in commercial transactions; H. R. 17936: to establish standard packages and

grades for apples; H. R. 17822; to fix the standard barrel for fruits and vegetables.

—. Standards for hampers and baskets for fruits and vegetables. Hearings . . . on H. R. 4900 . . . U. S., 67th Cong., 1st sess., Apr. 29, 1021 1921.

Standards for hampers, round stave baskets, and splint baskets for fruit. Hearing ... on H. R. 4085. U. S., 68th Cong., 1st sess., 1924. A bill to fix standards for hampers, round stave baskets, and splint baskets for fruits and

stave classets, and spint basics of the vegetables.

To fix the standards for climax baskets. Hearing . . . on H. R. 14188. U. S., 64th Cong., 1st sess. Apr. 27, 1916.

WEISHAAR, L. J. Net weight or quantity marking requirements for fruit and vegetable containers. Calif. Dept. Agr. Monthly Bul., vol. 11, no. 5.4. May-Line. 1922. D. 450-454. 5-6, May-June, 1922. p. 450-454.

## COOPERATIVE MARKETING 2

COULTER, J. L. Cooperation among farmers. N.Y., Sturgis & Walton Co., 1911. 281 p. Cooperative marketing of fruits and vege-

Lables.

DURST, C. E. National fruit marketing organization. In Ind. Hort. Soc., Trans. 1922, p. 49-58.

An account of Federated Fruit Growers
which handles both fruits and vegetables.

Dans of American Farm Bureau Federa-

——. Plans of American Farm Bureau Federa-tion for fruit and vegetable marketing. In Iowa State Hort. Soc., Rept., 1922, p. 420-429. Also in III. State Hort. Soc., Trans., new ser., vol. 56, 1922, p. 412-424. E FRUIT-GROWER. Farmers' shipping associa-

tions; plans of organization of shipping associations for fruit and vegetable growers; rules and regulations of some of the best shipping associations in the U. S. St. Joseph, 1907 ("Brother Jonathan," ser. no. 11) 38 p. Nicol, J. The Federated fruit and vegetable growers', inc. In Proc. Amer. Pomological Soc., 1922, p. 157-163. Published also in the Rept. of the Iowa State

Hort. Soc., 1922, p. 235-241.

TINKHAM, H. B. Cooperative marketing. In N. J. State Hort. Soc. Proc., 1919, p. 43-48.

U. S. DEPARTMENT OF AGRICULTURE.
KERR, W. H. Business essentials for cooperative fruit and vegetable canneries. In Yearbook, 1916, p. 237–249.

Besides being a study of canneries, the article shows that successful cooperative fruit and vegetable canneries have a legitimate place in an efficient scheme of marketing perishable products.

<sup>2</sup> For cooperative marketing of fruits see also 2. Fruits: Cooperative marketing. For cooperative marketing of vegetables see also 3. Vegetables: Cooperative marketing

#### TRANSPORTATION AND STORAGE 3

Alwood, W. B. A new plan for the construction of a storage cellar. Va. Agr. Exp. Sta. Bul. 58. 1895.

ERICAN ASSOCIATION OF REFRIGERATION.
COMMISSION ON RAILWAY AND STEAMSHIP
REFRIGERATION. SUggestions to growers and
shippers of fruits and yegetables as to the best AMERICAN methods of preparation, loading, stowing, stripping and bracing for safe transportation. Chicago, 1916. Bul. 3.

AMERICAN FRUIT AND VEGETABLE SHIPPERS' ASSO-CIATION. Annual business meeting, 1st (1919)-

Coons, G. H., and Nelson, Ray. The plant diseases of importance in the transportation of fruits and vegetables. 1st ed. Chicago, 1918.
64p. American Railway Perishable Freight Assoc. Circ. 473-A.

Corbett, L. C. Cold storage. W. Va. Agrexp. Sta. Bul. 74. 1901.

Folger, J. C. Cost of distribution. In Peninsula Hort. Soc. Trans. 1922, p. 126-132.

Discusses the importance of the refrigerator car and also the relation of fixed charges to the

fresh fruit and vegetable industry.

FORBUSH, E. H. Common storage of fruits and vegetables. Mass. State Bd. Agr. Circ. 75. Common storage of fruits and 1917.

FRUIT AND VEGETABLE TRANSPORTATION ASSO-CIATION OF THE SOUTH AND EAST. Specifications for containers for fruits and vegetables and loading rules adopted at meeting . . . August

toading rules adopted at meeting . . . August 14-15, 1918. Philadelphia, 1918.
 Kramer, H. E. Food products inspection service of the U. S. Bureau of Markets. In Fla. State Hort. Soc. Proc. 1919, p. 80-87.
 LLOYD, J. W. Some economic aspects of fruit and vegetable storage. Ill. Agr. Exp. Sta. Circ. 237, 1010

237. 1919.

Storage problems for Illinois.

Hort. Soc. Trans. 1918, p. 151-159. In Ill. State

MARBLE, L. M. Specialized storage of fruits and vegetables. Canton, Pa., Marble Laboratory, 1921. Marble Laboratory inc. Rept. no. 1921. Marble Laboratory inc. Rept. no. 1921. Marble Laboratory inc. Rept. no. 1921. Meier, F. C. Wastage of fresh fruits and vegetables in transit and in storage. In Md. Agr. Soc. Rept. vol. 5, 1920. p. 310-317. NICHOLSON, A. V. Root and storage cellers. . Canada. Dept. Agr. Pamphlet no. 10, new ser. 1922. READ, F. W. The new shipping point inspection service on fruits and vegetables. Calif. Dept. Agr. Monthly Bul., vol. 9, no. 9, Sept. 1920, p. 371-374. ROY, L. A. Carload precooling of fruits and vegetables before shipping. Mo. State Bd. Hort. Bul. 19. 1910? SMITH, EDWIN. Farm storage for fruits and vegetables. British Columbia, Dept. Agr. Bul. 58. 1914. U. S. Department of Agriculture,

58. 1914.
U.S. DEPARTMENT OF AGRICULTURE,
ANDREWS, FRANK. The reduction of waste in marketing. In Yearbook, 1911, p. 165-176.
EARLE, F. S. Development of the trucking interests. Yearbook, 1900, p. 437-452.
Transportation and storage of fruits and vegatables. etables.

RICE, K. G. comp. Bibliography on the preser

ktce, K. G. comp. Bibliography on the preservation of fruits and vegetables in transit and storage, with annotations. Library: Bibliographical contribution no. 4. 1922.

This mimeographed bibliography comprises titles of publications of an investigational and historical nature, as well as more popular material, issued prior to July 1, 1920. Copies of this bibliography are available in the library of the Bureau of Agricultural Economics. It supplements references given in this bibliography to transportation and storage of all fruits raphy to transportation and storage of all fruits

warp, E. G., and Holmes, E. S., jr. Rates of charge for transporting garden truck, with notes on the growth of the industry. Bur. Stat. Misc. Ser. 21, 1901.

#### 2. FRUITS

## a. GENERAL

Brown, B. S. Modern fruit marketing: a complete treatise covering harvesting, packing, storing, transporting and selling of fruit. N. Y., Orange Judd Co., 1916. 283 p.
BUNTING, W. H. Inquiry into fruit growing conditions in the Dominion of Canada, under the

auspices of the Dept. of Agr. Printing Bur., 1912. 84 p. Ottawa, Govt. Contains sections on marketing, cold storage,

transportation, etc.

CALIFORNIA STATE FRUIT GROWERS AND FARMERS. Proceedings 2d-55th convention, 1882-1922.

1st, 43d-44th, 46th not published; 50th-51st pub. in Monthly Bulletin of the State Commission of Horticulture, Jan.—Feb., 1918, July, 1919; 52d–55th in Monthly Bulletin of California Dept. of Agriculture, Nov.—Dec., 1919, Dec. 1920, Oct. 1921, May, 1923.

Contain many articles on the different phases of marketing fault.

CAPE, W. L., and SIMPSON, F. H. Marketing of Illinois branded fruits.

Cape, W. L., and SIMPSON, F. H. Marketing of Illinois branded fruits. In Ill. State Hort. Soc. Trans., 1922, new ser., vol. 56, p. 424-431.

CRAIG, MOSES. Marketing fruit. Oreg. Agr.

CRAIG, MOSES. Marketing fruit. Ores. Agr. Exp. Sta. Bul. 51. 1898.

DARROW, W. H. The fruit industry of Connecticut. Conn. Agr. Col. Ext. Serv. Bul. 43. 1921.

DOWNING, F. P. Standardization of fruit packages. In Md. Agr. Soc. Rept., vol. 4, 1919,

DOWNING, F. F. Stalladards.

ages. In Md. Agr. Soc. Rept., vol. 4, 1919, p. 149-158.

DUNLAP, H. M., KIELY, P. M., and DIX, L. N. Grading and packing fruits. Mo. State Bd. Hort. Bul. 47, 1911?.

FLETCHER, S. W. Direct marketing of fruit. In Ind. Hort. Soc. Trans., 1922, p. 112-123.

Describes conditions essential to success after middleman is eliminated. middleman is eliminated.

FRUIT GROWERS' ASSOCIATION OF ONTARIO. An-

nual report, 1st (1869)-date.

In the 21st annual report, 1889, the question is asked, "Is it not time for the Fruit Growers' Association of Ontario to take up the question of marketing our fruits?" From that time to date most of the reports contain discussions of the marketing problem.

Great Britain, Ministry of Agriculture and Fisheries. Collected leaflets on fruit: its cultivation, marketing, and preservation. London, 1921.

HERRON, L. G. Fruit packages in the Middlewest. Okla. Agr. Exp. Sta. Circ. of Information 21, 1913.

HIGGINS, J. E. Fruit marketing investigations in 1907. Hawaii Agr. Exp. Sta. Press bul. 21.

Marketing Hawaiian fruits. Hawaii Agr. Exp. Sta. Bul. 14. 1907.

JUDSON, C. E. Developing the home market, with discussion. Ind. Hort. Soc. Trans. 1917.

D. 49-55.
Marketing of fruit.
Marketing of fruit.

Marketing of fruit.

Which special reference to export the special reference to export the special reference to export the special special soc. LUEDTKE, C. L. The foreign trade of the United States in fruits, with special reference to export markets for apples. In Amer. Pomological Soc. Proc. 1922, p. 172-186.
Published also in Rept. of Iowa State Hort. Soc., 1922, p. 249-264.
MACOUN, W. T. The fruit industry of Canada. N. H. Hort. Soc. Rept., 12th, 1920, p. 35-40.
MAINE. DEPT. OF AGRICULTURE. Orchard operations and packing of fruit. Bul., vol. 18, no. 4.

tions and packing of fruit. Bul., vol. 18, no. 4,

Dec., 1919.

Massey, W. F. The culture and marketing of orchard and garden fruits. N. C. Agr. Exp. Sta. Bul. 184. 1903.

<sup>3</sup> For transportation and storage of fruits see also 2. Fruits: Transportation and storage. For transportation and storage of vegetables see also 3. Vegetables: Transportation and storage.

MOOMAW, B. F. Methods of selling and distrib-uting fruit. N. Y. State Hort. Soc. Proc., 1922, p. 199-212.

New Jersey State Horticultural Society. Standardization of containers; discussion. In Proc. 1918, p. 97-100.

Fruit containers.

New York (State) Dept. of Farms and Mar-kets. The fruit industry in New York State. N. Y. State Dept. of Farms and Markets, Bul. 147, 1923. Revision of Bul. 79. Contains articles on refrigeration, and on mar-

keting of apples, pears, peaches, cherries, plums,

keting of apples, pears, peaches, cherries, plums, berries, and grapes.

Oregon State Horticultural Society. Report on foreign markets for Oregon fruit, and laws governing importations; comp. from consular reports, by Stewart F. Lamb. Salem, State Printing Dept., 1914. 80 p.

Pickett, B. S. Common sense in grading and packing fruit. In Ind. Hort. Soc. Trans., 1920,

packing fruit. In Ind. Hort. Soc. Trans., 1920, p. 83–85.

Powell, E. C. Fruit packages; the current styles of baskets, boxes, crates, and barrels used in marketing fruits in all parts of the country. N. Y., The Rural Publishing House, 1893. 62 p. (The Rural library, vol. 1, no. 19, June, 1802). 62 p. 1893.)

OF AGRICULTURE. Review of existing methods of marketing of Queensland fruit, with concrete proposals for reorganization of the industry... Brisbane, 1923. 84 p.
RUSHTON, F. Pietimber (frozen fruits). In Kans. Hort. Soc. Bien. Rept., 1920. p. 184–188.

A discussion of fruits purchased by pie factories

factories.

SEABROOK, W. P. Fruit-packing for market...

London, G. Allen & Unwin, Itd., 1922. 91 p.

SEARS, F. C. Productive orcharding; modern methods of growing and marketing fruit. 2d ed. Philadelphia, Lippincott, 1917. 315 p.
U. S. Defartment of Agricultures.
Fruit industry and trade of Chile. Report based on data submitted by S. Reid Thompson, the American vice consul at Valparaiso, Chile, and on statistics published in the Bulletin of the Fan American Union for the month of September, 1922. Bur. Agr. Econ. Report F. S. 23. 1922. Mimeographed.
MOOMAW, C. W., and FRANKLIN, M. L. Markets for American fruits in China, with recommendations for American shippers. Depts.

Kets for American fruits in China, with recommendations for American shippers. Dept. Circ. 146. 1920.

Moomaw, S. B., and Sherman, C. B. Australia and New Zealand as markets for American fruits. Dept. Circ. 145. 1921.

S. Department of Commerce.

Markets for American fruit. Bur. Foreign and Domestic Commerce, Special Consular Repts. 62. 1913.

Domestic Commerce, Special Consular Repts. 62, 1913.

FISCHER, WALTER. South American markets for dried fruits. Bur. Foreign and Domestic Commerce, Special Agents Ser. 148, 1917.

——. South American markets for fresh fruits. Bur. Foreign and Domestic Commerce. Special Agents Ser. 181, 1917.

U.S. CONGRESS. HOUSE. COMMITTEE ON COINAGE, WEIGHTS, AND MEASURES. Hearings on II. R. 5956, to fix the size of baskets or other open containers for small fruits or berries. . U. S., 62d Cong., 1st sess., May 9, 1911.

WAUGH, F. A. Fruit harvesting, storing and mar-

WAUGH, F. A. Fruit harvesting, storing and marketing. N. Y., Orange Judd Co., 1914. 224 p.
WILLIAMS, R. G. Fruit packages. In Md. Agr. Soc. Rept. 1919, p. 141-148.
WORK, PAUL. Marketing horticultural products. Pa. Dept. Agr. Bul. 202. 1911.

#### COOPERATIVE MARKETING 4

CALIFORNIA FRUIT EXCHANGE. Annual report of the general manager. Sacramento. Report of the deciduous fruit industry. U. S. Dept. of Agr. Library has report for

1923 only

— A brief history of the deciduous fruit industry of California before and since the organization of the California fruit exchange. Sacramento, 1913. 19 p.

CALIFORNIA FRUIT GROWERS' EXCHANGE. An-

California Fruit Growers' Exchange. Annual report of the general manager. 1912/13—date. Los Angeles, 1913—date. Cooperative marketing of fruit.
CHANDLER, W. H. Cooperation among fruit growers. Mo. Agr. Exp. Sta. Bul. 97. 1911.
CUMBERLAND, W. W. Cooperative marketing; its advantages as exemplified in the California Fruit Growers Exchange. Princeton, N. J., Univ. Press, 1917. 226 p.
DEEGAN, J. F. Cooperative marketing. N. J. State Hort. Soc. Proc., 1920, p. 29-33.
HUNTOON, D. H. Cooperation among fruit growers in Massachusetts. Mass. Dept. Agr. Bul. 26, 1921.

1921.
This bulleting has been edited by L. P. Jefferson, who also prepared the introduction, noting son, who also prepared fundamental principles son, who also prepared the introduction, noting briefly factors and fundamental principles underlying successful cooperation, defining certain types of organizations and giving examples of each. Seventeen associations are reported on. In appendixes farmers' cooperative exchanges, cooperative associations handling fruit, strictly fruit growers' organizations, and cooperative organizations which handle no fruit are listed.

Lewis, C. I. Advertising as a factor in the development of American horticulture. In Amer. Pomological Soc. Proc. 1922, p. 148-156.

Also published in Trans. of the Ind. Hort. Soc., 1922, p. 142-148, and in Rept. of the Iowa State Hort. Soc., 1922, p. 262-233.

LIVERPOOL AND DISTRICT FRUIT BUYERS' ASSOCIA-

TION, ltd. Conditions of sale, bye-laws, and agreement. Liverpool, T. L. Duncan, 19— 16 p.

LLOYD, J. W. Cooperative and other organized methods of marketing California horticultural products. Ill. Univ. Studies in the Soc. Sci. vol. 8, no. 1, March, 1919.
Bibliography: p. 133-137.
Cooperative marketing of horticultural products. Ill. Agr. Exp. Sta. Circ. 244. 1920.
Is cooperative marketing of horticultural products applicable to Illinois conditions? Ill. Agr. Exp. Sta. Circ. 238. 1919.
LLOYD, W. H. The cooperative packing movement. In Ind. Hort. Soc., Trans., 1922, p. 186-190.

Cooperative fruit packing in various cities.

McNeill, A. Co-operation and fruit growing,
Canada. Dept. Agr., Dairy and Cold Storage
Commissioners' Branch, Bul. 38. 1913.

Marketing fruit. In Ind. Hort. Soc., Trans., 1921,
D. 167-170.

Contains resolutions passed at the National Fruit Marketing Conference, April 5, 1921. New South Wales. Department of Agricul-TURE. Cooperative organization of fruit growers.

TURE. Cooperative of salization.
Farmers' Bul. 26. 1909.
An account of the California Fruit Exchange,
California Fruit-growers' Exchange, and California Raisin Growers' Association. Mr. Board
describes these organizations visited during his

trip to America. OREGON. AGRICULTURAL COLLEGE. EXTENSION SERVICE. I. The physical handling of fruit, by C. I. Lewis. II. The organization of the Oregon fruit industry, by Hector MacPherson. Ext. Bul. II, no. 49. 1916.

PADDOCK, W. Fruit growers' associations. Colo. Agr. Exp. Sta. Bul. 122. 1907. An account of Colorado cooperative fruit

marketing associations.

Reed, H. J. The value of good will in marketing fruit. In Ind. Hort. Soc., Trans., 1922, p. 125-

Reid, J. A. The organization of a fruit distributing system. Utah. Agr. Exp. Sta., Ext. Div. Circ. 11. 1913.

<sup>4</sup> See also Fruits and vegetables, 1. General: Cooperative marketing. Cooperative marketing of an individual fruit is included in the section devoted to the particular fruit.

Rule, A. R. The economic trend in wholesale methods of fruit distribution. In 2d Pan Amer. Sci. Cong. Proc., 1915-16, vol. 3, p. 729-735. Saprao, Aaron. Cooperative marketing. N. C. State Col. Agr. and Engineering Ext. Circ. 110, 1921.

"The story of the raisin business in California." The principles of California cooperatives a value of the cooperative results and seasons among the property of the cooperative of the cooperative of the cooperative company.

atives are explained and some remarks on warehousing tobacco are given.
U. S. DEPARTMENT OF AGRICULTURE.

NAHSTOLL, G. A., and HUMPHREY, J. R. System of accounting for fruit shipping organizations. Bul. 590, 1918.

U. S. DEPARTMENT OF AGRICULTURE—Contd.
NAHSTOLL, G. A., and KERR, W. H. A system
of accounting for cooperative fruit associations. Bul. 225, 1915.

POWELL, G. H. Cooperation in the handling and marketing of fruit. In Yearbook, 1910,

WESTERN FRUIT JOBBERS ASSOCIATION OF AMERICA. Proceedings and minutes of the annual meetings.
U. S. Dept. Agr. Library has 5th-12th,

14th-18th; 1909-1916, 1918-1921. The 13th (1917) was not published.

## TRANSPORTATION AND STORAGE 5

CRUESS, W. V., OVERHOLSER, E. L., and BJAR-NASON, S. A. Storage of perishable fruits at freezing temperatures. Calif. Agr. Exp. Sta. Bul. 324. 1920. DENNIS, S. F. Re

Refrigeration in relation to fruit in la Col. Agr. Ext. Div. Bul. 24,

DENNIS, S. F. Refrigeration in relation to fruit in transit. Fla Col. Agr. Ext. Div. Bul. 24, p. 14-17. 1920.
FAGAN, F. N. Home storage houses for fruits. Pa. State Col., Ext. Circ. 74. 1918.
FAVILLE, E. E., and HALL, W. L. Cold storage for fruit. Kans. Agr. Exp. Sta. Bul. 84. 1899.
GERER, O. M. The necessity of community packing houses and adequate storage facilities in the Bitter Root. In Mont. Hort. Soc. Rept. 1920, p. 10-17. p. 10-17.

GREAT BRITAIN. FOOD INVESTIGATION BOARD. Report of the fruit and vegetable committee.

Rept. 1920, p. 16-25.

Results of experiments on the storage of apples and other fruits.

apples and other fruits.

Howard, Albert, and Howard, G. L. C. Some improvements in the packing and transport of fruit in India. Quetta, Baluchistan, Fruit Exp. Sta. Bull. 2, 1915.

Markell, E. L. The sorting, sizing, packing, and storing of fruit. In Peninsula Hort. Soc. Trans. 1916, p. 41-47.

PEEBLES, W. J. Prevention of loss and damage in fruit spinners. In Md. Agr. Soc. Rapt. vol.

PEEBLES, W. J. Prevention of loss and damage in fruit shipments. In Md. Agr. Soc. Rept., vol.

fruit shipments. In Md. Agr. Soc. Rept., vol. 4, 1919, p. 133-140.

RUDDICK, J. A. Grimsby pre-cooling and experimental fruit storage warehouse. Canada Dept. Agr., Dairy and Cold Storage Com. Circ. 13, 1915.

SINCLAIR, J. M. Report on the preservation of fruit for shipment. Melbourne, R. S. Brain, Government Printer, 1895. 14 p.

Issued by the Victoria, Australia, Dept. of Agriculture. Agriculture.

SMITH, EDWIN. The Grimsby pre-cooling and experimental fruit storage warehouse. Canada, Dept. Agr., Dairy and Cold Storage Com. Bul. 47. 1916.

—. Use of brine tank refrigerator cars for fruit shipments. Canada. Dept. Agr. Dairy and Cold Storage Commissioner's Branch. Bul. 50. 1917.

— and Creelman, J. M. Precooling, ship-ment, and cold storage of tender fruit. Canada. Dept. Agr., Dairy and Cold Storage Com. Dept. Agr., 1 Bul. 48. 1916.

STUBENRAUCH, A. V. The handling and precooling of fruits for transportation. Portland, Oreg., 1912. 27p.

U. S. DEPARTMENT OF AGRICULTURE.
FULTON, S. H. The cold storage of small fruits.
Bur. Plant Indus. Bul. 108. 1907.
HAWKINS, L. A., and SANDS, C. E. Effect of
temperature on the resistance of wounding of certain small fruits and cherries. Bul. 830. 1920.

POWELL, G. H. The handling of fruit for transportation. In Yearbook, 1905, p. 349–362. STUBENRAUCH, A. V. The handling of deciduous fruits on the Pacific Coast. In Yearbook, 1909, p. 365-374.

— . The precooling of fruit. In Yearbook, 1910, p. 437-448.
TAYLOR, W. A. The influence of refrigeration on the fruit industry. In Yearbook, 1900, p. 561-580.

WILCOX, E. V., and HUNN, C. J. Cold storage for tropical fruits. Hawaii. Agr. Exp. Sta. Press Bul. 47. 1914.

#### b. Apples

ALDERMAN, W. H. Packing apples and peaches.
W. Va. Agr. Exp. Sta. Bul. 139. 1912.

AMERICAN FRUIT AND PRODUCE ASSOCIATION.
What the grower should know. A handbook
of reliable information. N. Y., Phillips Van

Brunt Co., 1915. 48 p.

"Aims to put before you, the apple grower of the American Northwest, in a simple way the advantage to you of marketing your apple crop."

crop."
ANTHONY, R. D., and WARING, J. H. The apple industry in Pennsylvania. Pa. Dept. Agr., vol. 5, no. 6, July, 1922. General Bul. 369. Marketing Pennsylvania apples: p. 149-171. BRUNER, T. K., and McCarthy, Gerald. The apple. Preparing apples for market. N. C. Agr. Exp. Sta. Bul. 182. 1903.
BUCKHOLDER, C. L. Barrel packing of apples. Purdue Univ. Agr. Ext. Bul. 59. 1917.
CANADA. Deft. of AGRICULTURE. FRUIT BRANCH. Modern methods of packing apples.

BRANCH. Modern methods of packing apples. Bul. 2. 1917.

DICKENS, ALBERT. Some of the factors that determine whether apples should be packed or sold in bulk. In Nebr. State Hort. Soc. Rept. 1918, p. 94-113.

DUNLAP, H. M. Harvesting the apple crop. In Kans. State Hort. Soc., Bien. Rept., vol. 34, 1918, p. 51-55.

Gives methods of packing and grading. FISHER, D. F. Spoilage of apples after harvest.

In British Columbia Fruit Growers' Assoc.,

Ann. Rept. 32, 1921, p. 51-56.

FLETCHER, S. W. Apple "booms" past and present. *In* N. J. State Hort. Soc. Proc., 1919, p. 128-130.

Folger, J. C. The commercial apple industry of North America. N. Y., Macmillan, 1921. Ch. 15: Marketing and storage.

Gerer, O. M. Marketing the Bitter Root apples.

In Mont. Hort. Soc. Proc., 1921, p. 71-73.

HARKEY, F. L. South Carolina grades for barreled apples. Clemson Agr. Col., Ext. Circ.

45, Nov., 1922.

Jenks, A. R. Apple packing for Massachusetts growers. Mass. Dept. Agr., Dept. Bul. 23, 1921.

JONES, B. B. Standard grades for Wisconsin apples. Wis. Dept. Markets. Bul., vol. 2, no. 12, Sept. 1, 1921.

<sup>5</sup>For transportation and storage of a special fruit for which there is a separate section, see that particular section with subdivision: Transportation and storage, i. e., Apples: Transportation and storage. See also Fruits and vegetables, 1. General: Transportation and storage

JUDSON, L. B. Picking, packing, and marketing the apple. Idaho. Agr. Exp. Sta. Bul. 54. 1906.

Lewis, C. I. The apple from orchard to market.
Oreg. Agr. Exp. Sta. Bul. 94. 1907.
LLOYD, J. W. Apple grading and packing laws
of the United States. In Ill. State Hort. Soc.
Trans. 1920, p. 85-98.
McNeill, A. Cooperation in the marketing of
apples. Canada. Dept. Agr., Dairy and Cold
Storage Commissioners' Branch. Bul. 18. 1907.

MASON, A. F. Harvesting, packing, and marketing the apple crop. Pa. State Col. Ext. Circ. 50. 1916.

MASSACHUSETTS. STATE BOARD OF AGRICULTURE. .SSACHUSETTS. STATE BOARD OF AGRICULTURE.
Apple grading and packing. The United States standard barrel law, the United States apple grading law, and the Massachusetts apple grading law. Circ. 50, 2d ed., rev. 1916.

—. Apple growing. Bul. 2, 5th ed. 1916.
The storage of apples, by F. C. Sears: p. 169–183; the United fruit companies of Nova Scotia:

184-1983. Apple packing for Massachusetts

p. 184-198; Apple packing for Massachusetts growers, by A. R. Jenks: p. 199-212; Apple grading and packing, prepared by H. L. White:

D. 213-245.
MAYNARD, H. H. Marketing northwestern apples
. N. Y., Ronald Press Co., 1923. 190 p.
MIDDLETON, W. A. Yield, grades, prices, and
returns for apple varieties in the Okanagan
Valley. British Columbia Dept. Agr. Bul. 90. 1921?

1921?

MOOMAW, C. W. Developing foreign markets for apples. In 2d Pan Amer. Sci. Cong. Proc., 1915-16, vol. 3, p. 646-665.

MOORHOUSE, H. W. Marketing apples. Okla. Agr. and Mech. Col., Ext. Div. Circ. 75. 1918.

OREGON. BOARD OF HORTICULTURE. Apple and pear grading law. In Bien. Rept., 1921, p. 38-41.

Oregon growers' association grading rules and regulations for apples and pears. In Bien. Rept., 1921, p. 181-190.

Standard packing and grading rules of the Apple growers' association, Hood River, Oregon. In Bien. Rept., 1919, p. 130-138.

PACIFIC HORTICULTURAL CORRESPONDENCE SCHOOL. Harvesting apples, by A. P. Bate-

PACIFIC HORTICULTURAL CORRESPONDENCE SCHOOL. Harvesting apples, by A. P. Bateham. Apple packing, by John M. Carroll. Portland, 1912.

PALMER, W. R. Packing Indiana apples. Ind. Agr. Exp. Sta. Circ. 39, 1913.

PENNSYLVANIA. DEPT. OF AGRICULTURE. Standard grades for apples, potatoes, and wheat. General Bul. 381, Feb. 1924.

Rules and regulations providing for standard grades in Pennsylvania.

grades in Pennsylvania.

QUINN, GEORGE. Apple-packing. South Australia. Dept. Agr. Bul. 98. 1916.
ROBERTSON, J. W. Export of cheese and apples.
Evidence . . . before the Select Standing Committee on Agriculture and Colonization. (pt. 3) Ottawa, Printed by S. E. Dawson, 1901.
ROTHENBERGER, J. H. Growing and marketing apples. In Kans. State Hort. Soc. Bien. Rept.

apples. In Kans. Stavol. 34, 1918, p. 56-69.

SACKETT, W. M. Fruit marketing. In Mont. Hort. Soc. Rept., 1918, p. 81-86.

Discussion limited to the apple.

SEARS, F. C. Advertising the apple. Mass. Agr. Col., Ext. Bul. 10. 1916.
TUFTS, W. P. The packing of apples in California. Calif. Agr. Exp. Sta. Circ. 178. 1917.
U. S. DEPARTMENT OF AGRICULTURE.
CONN, J. H., and SWARTHOUT, A. V. Accounting records for sampling apples by weight.
Bul. 1006. 1921.

ing records for sampling apples by weight. Bul. 1006. 1921.

FOLEY, E. A. Review of the 1921-22 British apple market . . Ed. in the Foreign section of the Division of Statistical and Historical Research, June 9, 1922. Bur. of Markets and Crop Estimates. Rept. F. S. no. 16. Mimeo-

graphed.

Folger, J. C. Commercial apple industry in the United States. In Yearbook, 1918, p. 367-378.

378.

MOOMAW, C. W. Marketing the apple crop.
Farmers' Bul. 620, 1914, p. 16-22.
— and Stewart, M. M. Apple market investigations, 1914-15. Bul. 302. 1915.

Official standards for the inspection of barreled

apples. Amendment no. 1 to S. R. A. Agr. Econ. 85. 1924. S. R. A. 85 is: Rules and regulations . . . gov-erning the inspection and certification of fruits,

vegetables, and other products.

SCOTT, W. M., HETZEL, H. C., SAMSON, H. W.,
and STOCKTON, M. Preparation of barreled
apples for market. Farmers' Bul. 1080. 1919.

U. S. CONGRESS. HOUSE. COMMITTEE ON COINAGE, WEIGHTS, AND MEASURES. Standard barrel and grades for apples. Hearings. . . on H. R. 17936 and H. R. 21480. U. S., 62d Cong., 2d sess., Apr. 10, 1912.

Standard box for apples. Hearings . . . on H. R. 1113, a bill to establish a standard box for apples . . . U. S., 66th Cong., 1st sess., 1919.

—. To establish a standard box for apples. Hearings on H. R. 11178 and H. R. 12666. U. S., 63d Cong., 2d sess., Feb. 11 and 12, 1914.

VAN BUREN, B. D. Report of the Committee on Statistics and Marketing. In N. Y. State Hort. Soc. Proc., 1922, p. 146-148. Report on apples.

Report on apples.

West Virginia. Dept. of Agriculture. West Virginia apple packing law. Bul. 25. 1917.

Wilkinson, A. E. The apple. Boston, Ginn & Co., 1915. 492 p.

Marketing: p. 314-332; Storage: p. 333-352.

Wisconsin. Dept. of Agriculture. Apple grading and packing. Rules and regulations under the Wisconsin law. Circ. 6. 1917.

Wolff, W. H. The New Hampshire apple grading and packing law. In N. H. Hort. Soc. 10th rept. 1917 and 1918, p. 42-51.

Packing of apples in barrels and boxes.

N. H. Col. Agr. Ext. Serv. Bul. 7. 1916.

Wood, J. C. Standardization of grades for the Northwest, with discussion. In Mont. Hort. Soc. Rept. 1920, p. 62-74.

Grades for apples. Grades for apples.

#### TRANSPORTATION AND STORAGE

BAKER, C. E. The Bedford apple storage cellar and packing house. In Ind. Hort. Soc. Trans.,

and packing house. In Ind. Hort. Soc. Trans., 1922, p. 103-106.

Beach, S. A., and Clark, V. A. New York apples in storage. N. Y. (State) Cornell Agr. Exp. Sta. Bul. 248. 1904.

Cole, W. R. Apple storage on the farm. Mass. Dept. Agr. Dept. Bul. 22, 1921.

CUMMINGS, M. B., and LOMBARD, P. M. Farm apple storage. Vt. Agr. Exp. Sta. Bul. 186.

1915.

EUSTACE, H. J., and BEACH, S. A. Cold storage for Iowa apples. Iowa. Agr. Exp. Sta. Bul. 108. 1909.

GREENE, LAURENZ. Cold storage for Iowa grown apples. Iowa Agr. Exp. Sta. Bul. 144. 1913. HARMAN, HENRY. Studies relating to the harvesting and storage of apples and pears. Oreg. Agr. Exp. Sta. Bul. 206. 1924.

Hutt, W. N. Air-cooled apple-storage houses. N. C. Agr. Exp. Sta. Bul. 228. 1914.

INTERNATIONAL APPLE SHIPPERS ASSOCIATION. Annual report of the secretary. U. S. Dept. Agr. Library has 28th, 1922/23.

KAISER, W. G. Apple-storage houses. Ind. Hort. Soc., Trans., 1922, p. 96-102. Magness, J. R. The handling of apples in storage. In Iowa State Hort. Soc. Rept., 1922, p.

209-226.

MARBLE LABORATORY INC., CANTON, PA. Studies in apple storage. Canton, Pa., The Marble laboratory inc., 1923. Rept. 2-4. Report 2, by J. R. Magness and A. M. Bur-roughs, and Report 3, by A. M. Burroughs, are in Storage Investigations, 1921-1922, p. 17-138. Report 4, by L. M. Marble, is issued as a separate report.

New York Central Lines. Agricultural Dept. Packing apples in central packing houses and the New York apple packing law. New York, 1915? 15 p.
Pailthoffer, R. R. Handling and storage of apples in the Pacific Northwest. In Wash.

apples in the Pacific Northwest. In Wash. State Hort. Assoc. Proc., 16th, 1920, p. 134-140.
PERRY, WINIFRED, and MARTIN, J. N. The culinization of apple skins in relation to their keeping qualities and their environment. Iowa State Col. Agr. and Mech. Arts, Contribution 71. 1917. Apples studied as to their keeping records in

storage.

storage.
PRICE, H. C. Cold storage of apples. Iowa Agr.
Exp. Sta. Bul. 72. 1903.
RUDDICK, J. A. Cold storage for apples and other
fruit. Ottawa, Printed by C. H. Parmelee,
1911. 110 p.

Evidence before the Select standing committee on agriculture and colonization, 1910-11.

tee on agriculture and colonization, 1910-11.

THAYER, PAUL. Sending apples by parcel post.

Ohio Agr. Exp. Sta., Monthly Bul. vol. 1, no.

12, p. 377-382. 1916.

U. S. DEPARTMENT OF AGRICULTURE.

BIGELOW, W. D., GORE, H. C., and HOWARD,

B. J. Studies on apples, 1. Storage, respiration
and growth . . Bur. Chem. Bul. 94, 1905.

BROOKS, C., COOLEY, J. S., and FISHER, D. F.
Diseases of apples in storage. Issued Sept.
1920; rev. Nov. 1922. Farmers' Bul. 1160.

U. S. DEPARTMENT OF AGRICULTURE-Contd.

KITCHEN, C. W., SIEFERT, E. M., jr., and HALL, M. B. The distribution of northwestern boxed apples. Bul. 935, 1921. Apple storage.

PAILTHORPE, R. R., and Samson, H. W. North-western apple-packing houses. Farmers' Bul. 1204. 1921.

POWELL, G. H. Relation of cold storage to commercial apple culture. *In* Yearbook, 1903. p. 225-238.

p. 225-238.

— and Fultron, S. H. The apple in cold storage. Bur. Plant Indus. Bul. 48. 1903.

RAMSEY, H. J. Heavy loading of freight cars in the transportation of northwestern apples. Markets Doc. 13. 1918.

—— and Dennis, S. J. The management of common storage houses for apples. Farmers' Bul. 852. 1917.

---. McKay, A. W., Markell, E. L., and Bird, H. S. The handling and storage of apples in the Pacific Northwest. Bul. 587. 1917.

Scott, W. M., and Alwood, W. B. Preliminary report on apple-packing houses in the Northwest. Markets Doc. 4. 1917.

Storing apples without ice. Cold storage on the farm. Mechanical cold storage for fruit. In

Farmers' Bul. 119, 1900, p. 5–15.
YOUNG, W. J. Handling apples for storage. Wash.
(State) Agr. Exp. Sta., Popular Bul. 72. 1914.

## c. AVOCADO

CONDIT, I. J. The avocado in California. Pt. 1.
Culture, production, and marketing. Calif.
Agr. Exp. Sta. Bul. 254. 1915. p. 381-394.
HIGGNS, J. E., HUNN, C. H., and HOLT, V. S. The
avocado in Hawaii. Hawaii Agr. Exp. Sta.
Bul. 25. 1911

1911. Bul. 25. Marketing: p. 28-32.

MICHELSON, HAMILTON. Shipping and marketing the avocado. In Fla. State Hort. Soc. Proc., 1921, p. 89-91.

U. S. DEPARTMENT OF AGRICULTURE.
COLLINS, G. N. The avocado, a salad fruit from
the tropics. Bur. Plant Indus. Bul. 77, 1905.

Marketing: p. 41-44. LFS, P.H. The avocado in Florida; its propa-ROLFS, P.H. gation, cultivation, and marketing. Bur. Plant Indus. Bul. 61. 1904.

## d. Berries

AMERICAN CRANBERRY GROWERS' ASSOCIATION. Proceedings.

Contain articles on marketing of cranberries.

Untain articles on marketing of cranberries.
U. S. Dept. Agr. Library has 11th-13th,
15th-54th; 1881-82, 1884-1924.
CARD, F. W. Bush-fruits. New and rev. ed.
N. Y., Macmillan, 1919. 409 p.
In chapters on raspberries, blackberries, dewberries, etc., will be found certain portions on marketing.

marketing.

DAVIS, M. B. The cranberry industry; its possibilities in Canada. Canada. Dept. Agr. Bul.

19, new ser. 1923. RKEY, F. L. South Carolina grades for straw-HARKEY, F. L. South Carolina grades for Solar berries. Clemson Agr. Col., Ext. Serv. Circ. 48.

berries. Clemson Agr. Col., Ext. Serv. Circ. 48. Nov., 1922. JESNESS, O. B., and CARD, D. G. The marketing of Kentucky strawberries. Ky. Agr. Exp. Sta. Bul. 246. 1923. JONES, B. B. Standard grades for strawberries. Wis. Div. Markets. Bul. vol. 1, no. 10, Apr. 30,

U. S. DEPARTMENT OF AGRICULTURE.
HAWBAKER, C. C., and BURMEISTER, C. A.
Marketing berries and cherries by parcel post. Bul. 688. 1918.

U. S. DEPARTMENT OF AGRICULTURE-OBSON, ASHER, and CHANEY, J. B. Sales methods and policies of a growers' national mar-HOBSON,

methods and policies of a growers handmar marketing agency. Bul. 1109, 1923.

The study, carried on by Columbia University and the Bureau of Agricultural Economics, U. S. Dept. of Agriculture, describes the American Cranberry Exchange in detail.

MORE, C. T., and TRUAX, H. E. Preparation of strawberries for market. Farmers' Bul. 979.

SCHLEUSSNER, O. W., and GILBERT, J. C. The marketing and distribution of strawberries in 1915. Bul. 477. 1917.

SHERMAN, W. A., WALKER, H. F., and SCHLEUSS-NER, O. W. Strawberry supply and distribu-tion in 1914. Bul. 237. 1915.

U. S. CONGRESS. HOUSE. COMMITTEE ON COINAGE, WEIGHTS, AND MEASURES. To fix the standards for berry baskets. Hearings... on H. R. 14945. U. S., 64th Cong., 1st sess., May 4,

H. R. 14945, 16065, and 16174. U.S., 64th Cong., 1st sess., June 6, 1916.

#### TRANSPORTATION

U. S. DEPARTMENT OF AGRICULTURE.

RAMSEY, H. J. Factors governing the successful shipment of red raspberries from the Puyallup

Valley. Bul. 274, rev. 1924.

RIDLEY, V. W. Factors in transportation of strawberries from the Ozark region. Markets Doc. 8. 1918.

U. S. DEPARTMENT OF AGRICULTURE—Contd.
STEVENS, N. E., and WILCOX, R. B. Rhizopus
rot of strawberries in transit. Bul. 531. 1917.
"Of interest to . . . strawberry growers and
shippers, especially in the Southern States."

## e. Cherries

Duruz, W. P. Harvesting and handling California cherries for eastern shipment. Calif. Agr. Exp.

cherries for eastern snipment. Calif. Agr. Exp. Sta. Circ. 232. 1922. JONES, B. B. Standard grades for cherries. Wis. Dept. Markets. Bul., vol. 4, no. 3, June 30, 1923. Swore, C. A. Planting, gathering and marketing the cherry. *In* Kans. State Hort. Soc., Bien. Rept., vol. 34, 1918, p. 78–83.

U. S. DEPARTMENT OF AGRICULTURE.
HAWBAKER, C. C., and BURMEISTER, C. A.
Marketing berries and cherries by parcel post.

Bul. 688. 1918. RAMSEY, H. J. The handling and shipping of fresh cherries and prunes from the Willamette Valley. Bul. 331. 1916.

## f. CITRUS FRUITS

Barnes, C. W. Marketing citrus fruits. In Fla. State Hort. Soc. Proc., 1919, p. 71-73.

Corr, J. E. Citrus fruits; an account of the citrus fruit industry, with special reference to California requirements and practices and similar conditions. N. Y., Macmillan, 1917. 520 p. Marketing: p. 344-354.

CUMBERLAND, W. W. Cooperative marketing; its advantages as exemplified in the California Fruit Growers Exchange. Princeton, Princeton, Univ. Press, 1917. 226 p.

Fruit Growers Exchange. Princeton, Princeton Univ. Press, 1917. 226 p.

DELOURTO, J. M., HALSTEAD, E. W., and HALSTEAD, H. F. The citrus industry in the lower Rio Grande valley of Texas . . . Tex. Dept. Agr. Bul. 75. 1923.

FRANCISCO, DON. Putting California citrus on the map. Reprint from California Citrograph, Sept., 1917, p. 4–5, 10–11.

Advertising methods of the California Fruit Growers Exchange.

Growers Exchange.

IORNS, M. J. Picking and packing citrus fruits.
Porto Rico Agr. Exp. Sta. Circ. 8. 1909.
POWELL, G. H. The principles and practices of cooperation applied to citrus production and distribution. In 2d Pan Amer. Sci. Cong. Proc., 1915-16, vol. 3, p. 665-671.
SCOTT, G. A. Value of brands in marketing citrus fruits. Fla. Col. Agr., Ext. Div. Bul. 24. 1920. p. 12-14

fruits. FIA. COLLEGE FIA. COLLE

a cooperative citrus truit marketing agency.
Bul. 1237. 1924.
TRUE, R. H., and SIEVERS, A. F. Some factors
affecting the keeping qualities of American
lemons. Bur. Plant Indus. Circ. 26, 1909.
Methods of preparing lemons for market: p. 5.

#### TRANSPORTATION AND STORAGE

BURGER, O. F. Decay in citrus fruits during transportation. Calif. Dept. Agr. Monthly Bul. vol. 9, no. 9, Sept. 1920, p. 365-370.

EVANS, I. B. P., THOMSON, M. R. H., PUTTERILL, V. A., and HOBSON, G. Further investigations

V. A., and Hobson, G. Further investigations into the cause of wastage in export citrus fruits from South Africa. Union of South Africa. Dept. Agr. Bul. 1. 1921.

FLORIDA. DEPT. OF AGRICULTURE. Diagram for packing citrus fruits. In 14th Bien. Rept., 1915-16, pt. 2, p. 223-230.

U. S. DEPARTMENT OF AGRICULTURE.

POWELL, G. H., and others. The decay of oranges while in transit from California. Bur. Plant Indias Bul. 123 1903.

Plant Indus. Bul. 123. 1908.

. S. DEPARTMENT OF AGRICULTURE—Contd. RAMSEY, H. J. Handling and shipping citrus fruits in the Gulf States. Farmers' Bul. 696. 1915

STUBENRAUCH, A. V., RAMSEY, H. J., and TENNY, L. S. Factors governing the success-ful shipment of oranges from Florida. Bul. 63.

TENNY, L. S., HOSFORD, G. W., and WHITE, H. M. The decay of Florida oranges while in transit and on the market. Bur. Plant Indus. Circ. 19. 1908.

## g. GRAPES

HEDRICK, U. P. Manual of American grape growing. N. Y., Macmillan, 1919. 458 p.

Marketing the crops and vineyard returns:

p. 230-249.

Hopson, E. A. Handling and loading grapes.

Ark. Col. Agr. Ext. Circ. 171. 1924.

Picking, packing, and loading of grapes; and

Michigan grades for grapes.

MANEY, T. J. Grape production and distribution in western Iowa. Iowa Agr. Exp. Sta. Bul. 199.

1921

Distribution: p. 388.
PHILLIPS, H. D. Cooperative marketing in Chautauqua-Erie grape industry. N. Y. (State)
Cornell Agr. Exp. Sta. Memoir 28. 1919.

READ, F. W. New standardization law on grapes a success. Calif. Dept. Agr. Bul., vol. 10, Sept. 1921. p. 376-380. REID, R. T. Growing and marketing of grapes. Wash. (State) Western Wash. Agr. Exp. Sta., Monthly Bul., vol. 5, no. 12, p. 174-177, March,

U. S. DEPARTMENT OF AGRICULTURE.
ALLEMAN, D. Marketing eastern grapes. Bul.

#### h. Melons

Culver, Irving. Growing and marketing cantaloupes. In Peninsula Hort. Soc. Trans., 1922, p. 16-24

Firor, J. W. Commercial cantaloupe growing in Georgia. Ga. State Col. Agr. Ext. Circ. 35. 1916. Includes methods of grading, packing, and marketing.

marketing.
LLOYD, J. W. Marketing the muskmelon. Ill. Agr. Exp. Sta. Ful. 124. 1908.
MELON DISTRIBUTOR'S ASSOCIATION. Annual meeting, 1st (1915)—date.
MESSICK, C. P. The growing and marketing of cantaloupes. In N. J. State Hort. Soc. Proc.,

Caltadudges. In N. S. State Hoft. Soc. Proc., 1918, p. 149-156. SHERMAN, W. A. The handling and marketing of western cantaloupes. In Md. Agr. Soc., Rept. vol. 5, 1920, p. 358-362.

SOUTHWEST GEORGIA WATERMELON GROWERS' ASSOCIATION. 1st yearbook, 1923. Adel, Ga., 1923.

Contains articles on The Problems of Sales and Distribution; The Educational Value of Cooperative Marketing; Quality Melons Bring Profits.

TROOP, JAMES, and WOODBURY, C. G. Growing better gems. Purdue Univ. Agr. Exp. Sta. Bul. 135. 1909. Suggestions for improving Indiana canta-loupes so that they may command better prices

on the market.

U. S. DEPARTMENT OF AGRICULTURE.

MORE, C. T., and BRANCH, G. V. The commercial grading, packing, and shipping of canta loupes. Farmers' Bul. 707. 1916. The comU. S. DEPARTMENT OF AGRICULTURE—Contd.
SCHLEUSSNER, O. W., and KITCHEN, W. C. The
marketing and distribution of western muskmelons in 1915. Bul. 401. 1916.
SHERMAN, W. A., GAIL, A. D., and YEAW, F. L.
Cantaloupe marketing in the large cities, with
car-lot supply, 1914. Bul. 315. 1915.
WAITE, F. W. Standardization in Imperial
County. Calif. Dept. Agr. Monthly Bul.
vol. 8, June 1919, p. 292-293.

A discussion of the application of the California standardization law to the cantaloupe crop.

Weishaar, L. J. Testing the carrying quality of California cantaloupes. Calif. Dept. Agr., Monthly Bul., vol. 10, no. 8, Aug. 1921, p.

#### TRANSPORTATION AND STORAGE

MELON DISTRIBUTOR'S ASSOCIATION. Loading rules adopted . . . in convention at Atlanta, Ga., Apr. 20-21, 1915. Evansville, Ind., 1915.
U.S. DEPARTMENT OF AGRICULTURE.
MCKAY, A. W., FISCHER, G. L., and NELSON, A. E. Handling and transportation of cantaloupes. Farmers' Bul. 1145. 1921.

U. S. DEPARTMENT OF AGRICULTURE—Contd.
"A revision of Markets Document 9: More care is needed in handling western cantaloupes; and Markets Document 10: Loading and trans-porting western cantaloupes."

## i. MISCELLANEOUS FRUITS

BIOLETTI, F. T. Size grades for ripe olives. Calif.

Agr. Exp. Sta. Bul. 263. 1916.

DUNLAP, H. C. California prune and apricot
growers. Calif. State Com. Hort., Monthly
Bul., vol. 8, July 1919, p. 401-403.

A cooperative marketing organization, han-

dling prune and apricot products. DURUZ, W. P. Harvesting and handling apricots and plums for eastern shipment. Calif. Agr. Exp. Sta. Circ. 239. 1922.

This is an illustrated circular of general information pertaining to harvesting, packing and loading apricots and plums for transportation to the eastern markets.

GINS, J. E. Pineapple shipping experiments in 1908. Hawaii Agr. Exp. Sta. Press Bul. 22.

OVERHOLSER, E. L. Cold storage as an aid to the marketing of plums; a progress report. Calif. Agr. Exp. Sta. Bul. 344. 1922.

## j. Peaches

ALDERMAN, W. H. Packing apples and peaches. W. Va. Agr. Exp. Sta. Bul. 139. 1912. BAXTER, C. W. Marketing Georgia peaches. Canada. Dept. Agr. Fruit Branch. Circ. 1.

1915.

BLAKE, M. A., and CONNORS, C. H. Suggested grades for peaches. N. J. Agr. Exp. Sta. Circ. 58, 1916.

and Haines, H. C. A press for the Georgia carrier. N. J. Agr. Exp. Sta. Circ. 64. 1917. A description of the details of the construction of a peach press.

of a peach press.
CLARK, A. L. Standard grades for peaches. N. J.
Dept. Agr. Circ. 49, 1922.
GILLAM, L. G. Packing peaches in Georgia carriers. N. J. Agr. Exp. Sta. Circ. 82, 1917.
Revision of Bul. 284.
HARKEY, F. L. South Carolina grades for peaches.
Clemson Agr. Col., Ext. Serv., Ext. Circ. 50.
Nov. 1922

Clemson Agr. Col., Ext. Serv., Ext. Circ. 50.

Nov., 1922.

— and Owens, C. A. Commercial harvesting grading, and marketing of peaches in South Carolina. Clemson Agr. Col., Ext. Serv., Ext. Bul. 60. Mar., 1924.

LANHAM, W. B. Harvesting and packing peaches.
Tex. Agr. and Mech. Col., Ext. Serv. Bul. B-22.

1916.

MICHIGAN. DEFT. OF AGRICULTURE. Michigan peach grades. Circ. 105. July, 1924. MOORHOUSE, H. W. Marketing peaches. Okla. Agr. and Mech. Col., Ext. Div. Circ. 76. 1918.

W YORK CENTRAL LINES. AGRICULTURAL DEPT. The marketing of New York State peaches. N. Y., 1916. 16 p.

Perrine, W. S. Peach industry in Arkansas; packing and marketing. *In* Ill. State Hort. Soc. Trans., 1919, p. 116-120.

U. S. DEPARTMENT OF AGRICULTURE.
Peaches and other fruits in England. Section of
Foreign Markets. Circ. 1, 1895.

Foreign Markets. Circ. 1, 1895.

Marketing of fruit products.

SAMSON, H. W. Preparation of peaches for market. Farmers' Bul. 1266. 1922.

Information is presented relative to various factors concerned in the proper preparation of peaches for market, including means of determining the correct transfer partitive residence. mining the correct stage of maturity for picking, methods of picking, suitable facilities for transporting fruit from the orchard to the packing house, packages for shipment to packing houses, and improved methods of grading and packing the fruit.

SHERMAN, W. A., WALKER, H. F., and MARTIN, L. H. Peach supply and distribution in 1914, Bul. 298, 1915.

STOCKTON, M., and BARGHAUSEN, J. F. A peach-sizing machine. Bul. 864, 1920.

"Developed to meet a demand from peach growers for a simple and efficient machine that would accurately and carefully size and distribute peaches to the packing bins."

#### TRANSPORTATION AND STORAGE

DURUZ, W. P. Harvesting and handling California peaches for eastern shipment. Calif. Agr. Exp. Sta. Circ. 241. 1922.

Gives information pertaining to harvesting packing, and loading of peaches for transportation to the eastern markets.

New York Central Lines. Agricultural Defarment. Factors in transporting New York State peaches. N. Y., 1917. 15 p.

U. S. DEPARTMENT OF AGRICULTURE.
BIGELOW, W. D., and GORE, H. C. Studies on
peaches: effect of storage on composition of
peaches. Bur. Chem. Bul. 97. 1905.
FOWELL, G. H., and FULTON, S. H. Cold storage,
with special reference to the pear and peach.
Bur. Plant. Indus. Bul. 40. 1903.

#### k. PEARS

DURUZ, W. P. Harvesting and handling California pears for Eastern shipment. Calif. Agr. Exp. Sta. Circ. 240. 1922.
Gives information pertaining to harvesting, packing, and loading of pears for transportation to the eastern markets.

to the eastern markets.

to the eastern markets.

HARTMAN, HERRY. Studies relating to the harvest ing and storage of apples and pears. Oreg. Agr. Exp. Sta. Bul. 206. 1924.

LEWIS, C. I., MAGNESS, J. R., and CATE, C. C. Preliminary report of pear harvesting and storage investigations in Rogue River Valley. Oreg. Agr. Exp. Sta. Bul. 154. 1918.

MICHIGAN. DEPT. OF AGRICULTURE. BUREAU OF FOODS AND STANDARDS. Michigan standard grades for pears. Circ. 114A. 1924.

OREGON BOARD OF HORTICULTURE. Apple and pear grading law. In Bien. Rept., 1921, p. 38-41.

Oregon Growers' Association grading rules and regulations for apples and pears. In Bien. Rept., 1921, p. 181-190.

U. S. DEPARTMENT OF AGRICULTURE. MAGNESS, J. R. Handling, shipping, and cold storage of Bartlett pears in the Pacific Coast States. Bul. 1072. 1922.

POWELL, G. H., and FULTON, S. H. Cold storage, with special reference to the pear and peach. Bur. Plant Indus. Bul. 40. 1903.

STUBENRAUCH, A. V., and RAMSEY, H. J. Bartlett pear pre-cooling and storage investigations in Rogue River Valley. Bur. Plant Indus. Circ. 114. 1913, p. 19-24.

#### 3. VEGETABLES

#### a. GENERAL

COOK, S. J. Standardization of vegetables. In 2d Pan Amer. Sci. Cong. Proc., 1915–16, vol. 3, p. 475–479.

INTERNATIONAL LIBRARY OF TECHNOLOGY. Scranton, 1914-15.

Commercial vegetables: vol. 144-146. Practically every vegetable treated has a sec-

Fractically every vegetable treated has a section on marketing.

LLOYD, J. W. Developing local markets for Illinois vegetables. In Ill. State Hort. Soc. Trans.,

New ser. vol. 56, 1922, p. 306-315.

New York (STATE). Dept. of Agriculture.

The vegetable industry in New York State.

Bul. 110. 1918.

Reprint of Bul. 70. 1916.
RIO VEGETABLE GROWERS' ASSOCIATION. ONTARIO Annual report, 1st (1905)-date. Toronto. 1906-date.

Nearly every report has a small portion allotted to a discussion of marketing problems.

ROGERS, S. S. Methods for marketing vegetables in California. Calif. Agr. Exp. Sta. Circ. 217.

U. S. DEPARTMENT OF AGRICULTURE.

CORBETT, L. C. A successful method of marketing vegetable products. In Yearbook, 1912, p. 353-362. Cooperative marketing of vegetables.

Distribution and utilization of the garden surplus.

Markets Doc. 6. 1917.

Marketing of vegetables.

Weishaar, L. J., and Rogers, S. S. Successful marketing of California vegetables. Calif. Dept. Agr., Monthly Bul., vol. 11, no. 10. Oct., 1922, p. 721-725.

Wescott, N. P. Truck marketing on a large scale under cooperative principles. In 2d Pan Amer. Sci. Cong., Proc., 1915-16, vol. 3, p. 341-349.

#### STORAGE

ALDRICH, P. H. The winter storage of roots. Vt. Agr. Exp. Sta. Bul. 203, 1917, p. 3-9.

Brown, B. S. Vegetable storage on the farm. Me. Col. Agr., Ext. Bul. 120. 1918.

CRAIG, H. A., and CARLYLE, S. G. The storing of roots. Edmonton, Alberta, 1917.

DELWICHE, E. J. The culture and storage of root crops. Wis. Agr. Exp. Sta., Circ. Information crops. 1910.

HELPER, J. R. Storage of vegetables. N. H. Col. Arg. Ext. Serv. Circ. 20. 1917.

MERRILL, M. C. Storing vegetables for winter.
Utah Agr. Exp. Sta. Circ. 26. 1917.
MOORE, J. G. How to store vegetables for winter use. Wis. Agr. Exp. Sta. Circ. 92. 1917.
U. S. DEPARTMENT OF AGRICULTURE.
BEATTIE, J. H. Home storage of vegetables.
Farmers' Bul. 879. 1917.
WILKINSON, A. E. Vegetable storage; both home and commercial. Conn. Agr. Col., Ext. Serv.
Bul. 77. 1924.
Gives principles of storage, and tells how and

Gives principles of storage, and tells how and when to store different vegetables.

## b. ASPARAGUS

BAILEY, W. F. Asparagus in California; the culture, marketing problems, and history. Calif. State Commission Market, Bul. 1. 1916.

DEBAUN, R. W. Asparagus growing in New Jersey. N. J. Agr. Exp. Sta. Circ. 99, 1918.
Preparing for market: p. 18-19.
Maintaining the quality of the product: p. 20-21.

HARKEY, F. L. South Carolina grades for asparagus. Clemson Agr. Col. Ext. Circ. 47. Nov. 1922.

HARKEY, F. L. and OWENS, C. A. Commercial harvesting, grading, and marketing of asparagus in South Carolina. Clemson Agr. Col., Ext. Bul. 61. 1924. Methods employed by the older growers of

this crop.

Morse, F. W. Experiments in keeping asparagus after cutting. Mass. Agr. Exp. Sta. Bul. 172. 1917.

U. S. DEPARTMENT OF AGRICULTURE.
THOMPSON, H. C. Asparagus. Farmers' Bul.
829, Rev. 1922. Harvesting and packing: p. 9-13.

## c. CABBAGE

HARKEY, F. L. South Carolina grades for cabbage. Clemson Agr. Col., Ext. Circ. 44. Nov. 1922.

Jones, B. B. Grading and marketing Wisconsin cabbage. Wis. Dept. Markets, Bul., vol. 2,

mo. 11, June 1, 1921.

—. Standard grades for cabbage. Wis. Div. Markets, Bul., vol. 1, no. 6, Oct. 2, 1920.

—. Standard grades for cabbage and onions. Wis. Dept. Markets. Bul. vol. 4, no. 5, Aug. 31, 1923.

MUNGER, H. E., and others. Marketing Colorado cabbaga. Colo. Agr. Col., Ext. Serv. Bul., Ser. 1, no. 163-A. 1919.
U. S. DEPARTMENT OF AGRICULTURE.
CANCE, A. E., and FISKE, G. B. Marketing cabbage. Bul. 1242. 1924.
HARTER, L. L. The decay of cabbage in storage: its cause and prevention. Bur. Plant Indus. Circ. 30, 1900.

Circ. 39. 1909. HAUCK, C. W. Preparation of cabbage for market. Farmers' Bul. 1423. 1924.

#### d. Celery

Halligan, C. P. Celery culture in Michigan.
Mich. Agr. Exp. Sta., Spec. Bul. 60. 1913.
Marketing: p. 17-18; storing: p. 21.
Harkey, F. L. South Carolina grades for rough celery. Clemson Agr. Col., Ext. Serv., Ext. Circ. 46. Nov., 1922.
Read, F. W., and Rogers, S. S. Growing, handling, and marketing California celery. Calif. Dept. Agr., Monthly Bul., March-April, 1923, p. 73-91.
Stahl, J. L. Blanching, harvesting, and marketing of celery. Wash. (State). Western Wash. Agr. Exp. Sta., Bi-monthly Bul., vol. 10, no. 2, July, 1922.

U. S. DEPARTMENT OF AGRICULTURE.
BEATTIE, W. R. Celery growing. Farmers' Bul.
1269. 1922.

Shipping: p. 24; storage: p. 25-27; preparation for market: p. 28-30. Supersedes Farmers' Bul.

AMSEY, H. J., and MARKELL, E. L. The handling and precooling of Florida lettuce and celery. Bul. 601. 1917.

THOMPSON, H. C. Celery storage experiments. Bul. 579. 1917.

## e. LETTUCE

HARKEY, F. L. South Carolina grades for head lettuce. Clemson Agr. Col., Ext. Serv., Ext. Circ. 48. 1922.

— and WHITCOMB, D. D. Commercial harvesting, grading, and marketing of lettuce in South Carolina. Clemson Agr. Col., Ext. Bul.

Ap., F. W., and ROGERS, S. S. Growing and shipping California lettuce. Calif. Dept. Agr., Monthly Bul., vol. 11, no. 1, Jan. 1922, p. 3-12.

Rogers, S. S. Lettuce growing in California. Calif. Agr. Exp. Sta. Circ. 160. 1917. Harvesting and packing for shipment: p. 12-16.

12-16.
UNDERWOOD, F. O. Grading, packing and handling the head lettuce in New York State. Cornell Univ. Col. Agr., Ext. Bul. 87. 1924.
Contains U. S. grades for head lettuce: p. 7.
U. S. DEPARMENT OF AGRICULTURE.
RAMSEY, H. J., and MARKELL, E. L. The handling and precooling of Florida lettuce and celery. Bul. 601. 1917.

## f. Miscellaneous Vegetables

BLAND, REGINALD. Winter rhubarb, culture and marketing. San Luis Rey, Calif., 1915. 69 p. Boswell, V. R. Changes in quality and chemical composition of parsnips under various storage conditions. Md. Agr. Exp. Sta. Bul. 258. 1923. HARKEY, F. L. South Carolina grades for slicing cucumbers. Clemson Agr. Col., Ext. Serv., Ext. Circ. 49. Nov. 1922. 191Boon, L. B. Cauliflower and Brussels sprouts on Long Island. N. Y. (State). Cornell Agr. Exp. Sta. Bul. 292. 1911.

Contains a lengthy bibliography on cauliflower and a short one on Brussels sprouts. (Not limited to marketing.)

MAINE. DEPT. OF AGRICULTURE. Partial directions for raising, harvesting, and storing of onions, squashes, cabbages, as applicable to Maine conditions. Bul., vol. 15, no. 2. June, 1916.

Tiebout, G. L. Preliminary report on winter cauliflower. La. Agr. Exp. Sta. Bul. 140. 1913. Grading: p. 10; packing: p. 11; shipping: p. 12.

S. DEPARTMENT OF AGRICULTURE.
FLUHARTY, L. W. Bean growing in eastern
Washington and Oregon and northern Idaho.
Farmers Bul. 907. 1917.
Marketing: p. 12-13.

Regulations for warehousemen storing dry beans. S. R. A. Agr. Econ. 87. 1924.

RIDLEY, V. W. Handling spinach for long-distance shipment. Farmers' Bul. 1189. 1921.

Storage of hubbard squash. Farmers' Bul. 342. 1909. p. 18-19.

Cance, A. E., Machmer, W. L., and Read, F. W.
Connecticut Valley onion supply and distribution. Mass. Agr. Exp. Sta. Bul. 169. 1916.
Pt. 2. Marketing the crop: p. 74-121.
Garcia, Favian. Onion tests, 1905-09. N. Mex.
Agr. Exp. Sta. Bul. 74. 1910.
Shipping test: p. 18-20.
Harkey, F. L. South Carolina grades for Bermuda onions. Clemson Agr. Col. Ext. Serv.
Circ. 51. Nov., 1922.
Jones, B. B. Standard grades for cabbage and onions. Wis. Dept. Markets, Bul., vol. 4, no. 5, Aug. 31, 1923.
— Standard grades for onions. Wis. Dept.

— Standard grades for onions. Wis. Dept. Markets, Bul., vol. 3, no. 3, Apr. 29, 1922. KNIGHT, HUGH. Standardization of Bermuda onion pack in the Coachella valley. In Calif. State Com. Hort. Monthly Bul., vol. 8, Feb., 1919, p. 80-83.

Northeup, King & co. Onion culture; planting, cultivating, harvesting, and marketing. Minneapolis, 1915. 24 p.

U. S. DEPARTMENT OF AGRICULTURE. BEATTIE, W. R. Onion culture. Farmers' Bul. 354. 1909.

Storage and marketing: p. 24-29.

STEVENS, W. M. Marketing and distribution of American-grown Bermuda onions. Bul. 1283.

TRUAX, H. E. United States grades for Bermuda onions. Recommended by the United States Department of Agriculture. Dept. Circ. 97.

United States grades for northern-grown onions. Recommended by the United States Department of Agriculture. Dept. Circ. 95. 1920.

WARNER, H. H. Growing, harvesting, and mar-keting California Bermuda onions. Calif. Dept. Agr., Spec. pub. 31, 1923, p. 1-14.

## h. Potatoes.

ARTHUR, C. M. Marketing white potatoes in New Jersey. N. J. Agr. Col. Ext. Bul., vol. 1, no. 5.

1915.

BLACK, J. D. Local cooperative potato marketing in Minnesota. Minn. Agr. Exp. Sta. Bul. 195. 1921.

California Seed Potato Growers' Association.
Proceedings. 2d annual meeting, 1920. Calif.
Dept. Agr., Monthly Bul., vol. 10, no. 3, Mar., 1921. Discussions of marketing and grading of

CLARK, A. L. Standard grades for white potatoes. N. J. Dept. Agr. Circ. 50. 1923. A revision of the grades formerly established Standard grades for white potatoes.

and published in Circ. 35, 1921. cr, C. L., and BENNETT, E. R. The potato industry of Colorado. Colo. Agr. Exp. Sta. Bul. 175. 1910.

Storage: p. 46-57; market standards: p. 57-58.
GILBERT, A. W., BARRUS, M. F., and DEAN,
DANIEL. The potato. N.Y., Macmillan, 1917.

GILBERT, A. W., BARKUS, M. F., and Dear,
Dannel. The potato. N. Y., Macmillan, 1917.
318 p.

Markets, marketing, and storage: p. 237-258.

HARKEY, F. L. South Carolina grades for Irish
potatoes. Clemson Agr. Col., Ext. Serv., Ext.
Circ. 42. 1922.

HUGHES, H. J. Minnesota potato grades. Minn.
Dept. Agr., Bul. 8. 1920.

JOINT COMMITTEE ON POTATO MARKETING. Marketing New Jersey potatoes. Preliminary report by the Joint Committee on Potato Marketing representing the College of Agriculture
and Agriculture, Federation of County
Boards of Agriculture, Federation of County
Boards of Agriculture, Federation of County
Boards of Agriculture, Federation
of County Bds. of Agr., 1922.

JONES, B. B. Standard grades for potatoes. Wis.
Dept. Markets, Bul., vol. 3, no. 7, Oct. 31, 1922.

LOUIS, H. M. Cooperative producing and marketing of potatoes. In Mont. Hort. Soc. Proc.,
Market Dept. of Agriculture, Fertilization.

ing of potatoes. In Mont. Hort. Soc. Proc., 1921, p. 53-56.

Maine. Dept. of Agriculture. Fertilization, seed selection, and marketing of potatoes. Bul., vol. 15, no. 1. 1916.

Marble, L. M. Ventilated storage for potatoes. Canton, Pa., Marble Laboratory, inc., 1924. Marble laboratory, inc., Rept. 5.

MICHIGAN. Dept. of Agriculture. Michigan standard grades for potatoes. Circ. 108. 1924.

MILWARD, J. G. Commercial varieties of potatoes for Wisconsin. Wis. Agr. Exp. Sta Bul. 225. 1912.

1912.

1912.

MOORE, H. C. Standard grades for potatoes.

Mich. Agr. Exp. Sta., Quart. Bul., vol. 6, Nov.,
1923, p. 47-50.

NEBRASKA. DEPT. OF AGRICULTURE. BUREAU OF

MARKETS AND MARKETING. Market standards
and grades for Nebraska potatoes . . . Bul.
113. 1921.

New Jersey State Potato Association. Proceedings of the annual meetings.
U. S. Dept. of Agr. Library has 1st, 3d-5th.
(N. J. Dept. Agr. Bul. 20, 28, 31, 35. 1919, 1921-23).

Contain articles on potato inspection and other phases of potato marketing.

NEW YORK COOPERATIVE SEED POTATO ASSOCIA-TION. Proceedings, 1914–1922.

Contain material on grading and marketing

potatoes

potatoes.
OREGON. UNIVERSITY. SCHOOL OF COMMERCE.
DEPT. OF COMMERCIAL AND INDUSTRIAL SURVEY. Markets for potatoes. Bul., new ser.,
vol. 12, no. 5. 1915.
PENNSYLVANIA. DEPT. OF AGRICULTURE. Standard grades for apples, potatoes and wheat.
General Bul. 381. Feb., 1924.
Rules and regulations providing for standard
grades in Pennsylvania.

grades in Pennsylvania. POTATO ASSOCIATION OF AMERICA. Annual meeting, 1st (1914) — date.

Contain articles on grading and marketing

potatoes.

RANKIN, J. O. Marketing Nebraska potatoes. Nebr. Agr. Exp. Sta. Circ. 9. 1919.

Nebr. Agr. Exp. Sta. Čirc. 9. 1919.

TAYLOR, H. C. The marketing of Wisconsin potatoes. Wis. Agr. Exp. Sta. Bul. 256. 1915.

U. S. DEPARTMENT OF AGRICULTURE.

FISKE, G. B., and FROEHLICH, P. Marketing the early potato crop. Farmers' Bul. 1316. 1923.

MORE, C. T., and BRANCH, G. V. Marketing Maine potatoes. Off. Sec. Circ. 48. 1915.

and DORLAND, C. R. Commercial handling, grading, and marketing of potatoes.

Farmers' Bul. 753. 1916.

SAMSON, H. W. United States grades for potatoes. Dept. Circ. 233. 1922.

Supersedes Dept. Circ. 96 and Markets Doc. 7.

Doc. 7. SHERMAN, W. A. Marketing main crop potatoes Farmers' Bul. 4317. 1923. WAID, C. W. Standardization and group classifica-

WAID, C. W. Standardization and group classifica-tion of potato varieties for Michigan. Mich. Agr. Col., Ext. Div., Ext. Bul. 5. 1916. WOSTER, G. C. The farm bureau and the potato exchange. In Mont. Hort. Soc. Proc., 1921,

p. 48-53.

## TRANSPORTATION AND STORAGE

BUTLER, O. Storage of potatoes. N. H. Agr. Exp. Sta. Circ. 20. 1919.
DOLVE, R. M. Potato warehouse plans. N. Dak. Agr. Exp. Sta. Bul. 101. 1912.
NEW YORK CENTRAL LINES. AGRICULTURAL DEPT. The potato with best methods of loading. Re-

The potato with best methods of loading. Reprint of portion of Bul. 3 of American Association of Refrigeration. N. Y., 1917. 14 p.

S. DEPARTMENT OF AGRICULTURE.

GRIMES, A. M. Handling and loading southern new potatoes. Farmers' Bul. 1050. 1919. Protection of potatoes from cold in transit—lining and loading cars. Farmers' Bul. 1091. 1920. Revision of Markets Doc. 17, 1918, which has title: Lining and loading cars of potatoes for

U. S. DEPARTMENT OF AGRICULTURE—Contd. protection from cold, by H. S. Bird and A. M. Grimes.

Grimes.

Regulations for potato warehouses. S. R. A.,
Agr. Econ., 83. 1924.

STUART, WILLIAM. Potato storage and storage
houses. Farmers' Bul. 847. 1917.

WERNER, H. O., and CLEMENT, P. E. Potato
storage in North Dakota. N. Dak. Agr. Exp.
Sta. Agr. Ext. Bul. 11. 1917.

ZUNDEL, G. L. Harvesting and storing to prevent
disease. Wash. State Col. Bul. 111. 1924.
Description, causes and control of the potato
diseases which are distinctly storage and cultural

diseases which are distinctly storage and cultural diseases.

#### i. SWEET POTATOES

ARTHUR, C. M. Marketing the sweet potato crop in New Jersey. N. J. Agr. Col. Ext. Bul., vol. 1, no. 3, 1915.

CLARK, A. L. Standard grades for sweet potatoes. N. J. Dept. Agr. Circ. 59. 1923.

GAY, M. C. Harvesting, storing, and marketing sweet potatoes. Ga. State Col. Agr., Ext. Div. Bul. 244. 1921.

GEORGIA. STATE BUREAU OF MARKETS. The sweet potato industry of Georgia. Atlanta, Index Printing Co., 1922? 18 p.

HARKEY, F. L. South Carolina grades for sweet potatoes. Clemson Agr. Col., Ext. Serv., Ext. Circ. 41. 1922.

Circ. 41. 1922.
Partly a reprint from Ext. Circ. 19.
PATTERSON, T. M. Harvesting, grading, storing, and marketing sweet potatoes. Miss. Agr. and Mech. Col., Ext. Div., Ext. Circ. 32. 1921.
U. S. DEPARTMENT OF AGRICULTURE.
GATLIN, G. O. Marketing southern-grown sweet potatoes. Bul. 1206. 1924.
TRUAX, H. E. United States grades for sweet potatoes. Recommended by the United States Department of Agriculture. Dept. Circ. 99, 1920. 1920.

#### STORAGE

BERRY, J. B. Diseases of sweet potatoes and other conditions which interfere with their storage. Ga. State Col. Agr., Ext. Div., vol. 7, no. 7. Bul. 161. 1918.

ELLIOTT, J. A. Storage rots of sweet potatoes. Ark. Agr. Exp. Sta. Bul. 144. 1918. A discussion of methods for preventing losses

caused by storage rots. HILL, R. G. Storage of sweet potatoes. N. C. State Col. Agr. and Engineering, Ext. Circ. 30.

HOFFMAN, G. P. Harvesting and storing sweet potatoes in South Carolina. Clemson Agr. Col., Ext. Div., Farmers' Reading Course, Bul. 29. 1918.

— and PRINCE, G. E. Bill of materials and building plans for the Clemson sweet potato storage house. Approximated capacity of 500 Clemson Agr. Col., Ext. Div., Circ. 12. 1918.

Bill of materials and building plans for the Clemson sweet potato storage house.
Approximated capacity of 2,000 bushels.
Clemson Agr. Col., Ext. Div., Circ. 10. 1918. HOFFMAN, G. P. and SCHILLETTER, A. E. Harvest.

HOFFMAN, G. P. AND SCHILLETTER, A. E. HAIVESDING and storing sweet potatoes. Clemson Agr. Col. Ext. Serv., Bul. 47. 1921.

MANNS, T. F. Sweet potato storage in Delaware. Del. Agr. Exp. Sta. Bul. 127. 1920.

MILLER, E. A., BENTLEY, N. R., and TAUBENHAUS, J. J. Sweet potato storage in Texas. Tex. Agr. and Mech. Col., Ext. Serv., Bul. Deb. 1922.

Tex. Agr. and Mech. Col., Ext. Serv., Bul. B-60. 1922.

POTTS, A. T., and Olsen, J. C. Growing and storing sweet potatoes. Tex. Agr. and Mech. Col., Ext. Serv., Bul. B-27. 1916.

PRICE, J. C. C. Harvesting and storing sweet potatoes. Ala. Agr. Exp. Sta. Bul. 197. 1917. Also published as Bul. 220, Nov. 1923.

U. S. DEFARTMENT OF AGRICULTURE.

CONNOLLY, H. M. Illustrated lecture on sweet potatoes; culture and storage. Syllabus 26. 1917.

MILLER, F. E. Utilization of flue-heated tobacco barns for sweet potato storage. Farmers' Bul.

THOMPSON, H. C. Sweet potato storage. Farmers' Bul. 970. 1918. Rev. June, 1921.

and others. Sweet potato storage studies.

## i. Tomatoes

ARTHUR, C. M. Marketing tomatoes in New Jersey. N. J. Agr. Col., Ext. Bul., vol. 1, no. 6. 1915.

HARSEY, F. L. South Carolina grades for fresh tomatoes. Clemson Agr. Col., Ext. Serv., Ext. Circ. 52. 1922.

Coinc. 52. 1922.

— and Whitroms, D. D. Commercial grading and packing of tomatoes. Clemson Agr. Col., Ext. Serv., Ext. Bul. 59. 1924.

HOWARD, ALBERT, and HOWARD, G. L. C. The cultivation and transport of tomatoes in India. Quetta. Fruit Exp. Sta. Bul. 1. 1913.

Palten, J. E. Marketing tomatoes In Md. Agr. Soc. Rept., vol. 5, 1920, p. 93-103.

S. DEPARTMENT OF AGRICULTURE.
PARSONS, F. E. Preparation of fresh tomatoes for market. Farmers' Bul. 1291. 1922.

Weishaar, L. J., and Rogers, S. S. Growing, packing, and shipping of California tomatoes. Calif. Dept. Agr. Monthly Bul., vol. 12, March— April, 1923, p. 106-124.

## PART XIII. MISCELLANEOUS

## 1. BROOM CORN

U.S. DEPARTMENT OF AGRICULTURE.
ALGURE, G. B. Marketing broom corn. Bul.
1019, 1922.
Regulations for broom-corn warehouses. S.R.A.,

Agr. Econ., 84. 1924.

#### 2. FARM TIMBER

1917

U. S. DEPARTMENT OF AGRICULTURE.

HAWES, A. F. Cooperative marketing of wood-land products. Farmers' Bul. 1100. 1920. MATTOON, W. R., and BARROWS, W. B. Meas-uring and marketing farm timber. Farmers' Bul. 1210. 1921.

Supersedes Farmers' Bul. 715.

#### 3. FEEDS

U. S. DEPARTMENT OF AGRICULTURE. WHEELER, G. C. Marketing of mill feeds. Bul. 1124. 1922.

#### 4. FIBERS

CARTER, H. R. Jute and its manufacture. London, J. Bale, Sons & Danielson, ltd., 1921.

This handbook comprises detailed descriptions of the cultivation of jute, and of the prepa-

ration, marketing, and grading of the fiber.

HUMPHREY, J. R. Marketing hemp. Ky. Agr.
Exp. Sta. Bul. 221. 1919.

## 5. HONEY

Jones, B. B. Grading and marketing Wisconsin honey. Wis. Dept. Markets Bul., vol. 3, no. 4, Sept. 11, 1922.

Pellett, F. C. Productive beekeeping; modern methods of production and marketing of honey. Philadelphia, Lippincott, 1916. 302 p.

PHILIPS, E. F. Beekeeping, N. Y., Macmillan, 1916. (Rural science series) 457 p.

Marketing the honey crop: p. 320-333.

SLOCUM, B. A. Marketing honey. Wash. State Col. Ext. Serv. Bul. 88, 1922.
U. S. DEPARTMENT OF AGRICULTURE.

Sirups and honey by parcel post. Bureau of markets. 1918. 1 p.

## 6. HOPS

Myrick, Herbert. The hop; its culture and cure, marketing, and manufacture. N. Y., Orange Judd Co., 1899. 299 p.
Ch. 14, Grading, sampling, and marketing: p. 219-241.
U. S. DEFARTMENT OF AGRICULTURE.
STOCKBERGER, W. W. Growing and curing hops. Farmers' Bul. 304. Rev. ed. 1910.
Marketing: p. 37-39.

The necessity for new standards of hop valuation. Bur. Plant Indus. Circ. 33, 1909.

#### 7. MAPLE SUGAR AND SIRUP

FOSTER, A. M. Making and marketing sugar. In Vt. State Bd. Agr., 5th rept., 1878, p. 101-

McKay, A. W. Marketing Vermont maple sap products. Vt. Agr. Exp. Sta. Bul. 227. 1922.
 Spencer, J. B. The maple sugar industry in Canada. Canada, Dept. Agr. Bul. 2B. 1913.
 Marketing: p. 45-47

VERMONT. STATE BOARD OF AGRICULTURE. Making and marketing maple sugar. In 14th rept., 1894, p. 131-147.

#### 8. NUTS

SOUTHEASTERN PEANUT ASSOCIATION. Rules. DUTHEASTERN PEANUT ASSOCIATION. Atlanta, 6a., 1921. 29 p.
These regulations, effective October 1, 1921, govern transactions in farmers' stock peanuts, and peanut oil, soap stock, cake, meal, hulls, and miscellaneous peanut products.

Templeton, G. S. Grazing peanuts with hogs versus marketing a crop of peanuts. Ala. Agr. Exp. Sta., Bul. 206. 1918.

S. DEPARTMENT OF AGRICULTURE.
BEATTIE, W. R. The picking and handling of peanuts. Bur. Plant Indus. Circ. 88. 1911.
FOLEY, E. A. The almond industry in Italy and Spain. Bur. Agr. Econ. Rept. F. S. 22, Nov. 1,1099. Mirnegraphed.

1,1922. Mimeographed.

LAKE, E. R. The Persian walnut industry of the United States. Bur. Plant Indus. Bul. 1913.

Harvesting the crop and preparing it for

marketing: p. 93-100.

Regulations of the Secretary of Agriculture under the United States Warehouse Act of August 11, 1916, as amended. Regulations for peanut warehouses. Approved Sept. 29, 1923. S. R. A., Agr. Econ., 81.

United States grades for shelled white Spanish peanuts. Recommended by the United States Dept. of Agriculture. Dept. Circ. 304. 1924.

#### 9. TOBACCO

Bohannan, C. D., and Campbell, D. A. A pre-liminary study of the marketing of Burley to-bacco in central Kentucky. Ky. Agr. Exp. Sta. Bul. 202. 1916.

No. 1 of a series of studies on the marketing of Kentucky farm products.

CLARKE, W. T. Turkish tobacco culture, curing, and marketing. Calif. Agr. Exp. Sta. Bul. 366.

Fermentation, grading, and marketing: p. 666-676.

666-676.

DE VAULT, S. H., and CANCE, A. E. Supply and distribution of Connecticut Valley cigar leaf tobacco. Mass. Agr. Exp. Sta. Bul. 193. 1919.

Marketing: pt. 2; bibliography: p. 216-218.

Foster, L. G. Cooperative tobacco marketing in Wisconsin. Wis. Dept. Markets, Bul., vol. 4,

NISCOISSIL WIS. Dept. Markets, Bull, vol. 4, no. 4, June 30, 1923.
KILLEBREW, J. B. Tobacco. How to cultivate, cure, and prepare for market. Nashville, Tenn., Fertilizer Manufacturers Assn., 1900? 47 p.

SCHERFFIUS, W. H., and WOOLSEY, H. Tobacco. Ky. Agr. Exp. Sta. Bul. 139. 1909. Stripping and grading: p. 32; marketing: p. 33-35.

U. S. DEPARTMENT OF AGRICULTURE.

MATTHEWSON, E. H. Tobacco marketing in the United States. Bur. Plant Indus. Bul. 268.

1913.

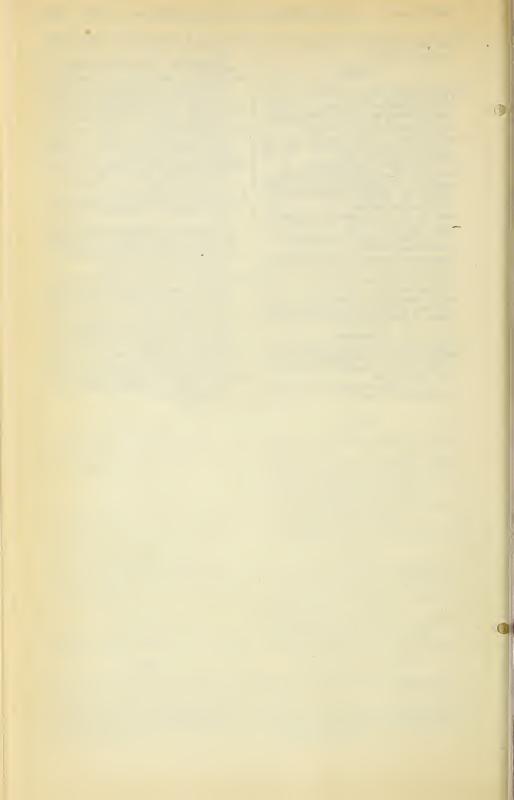
Regulations of the Secretary of Agriculture under the United States Warehouse Act of August 11, 1916, as amended July 24, 1919. Regulations for tobacco warehouses. Issued November 15, 1920. Off. Sec., Circ. 154. 1921. Supersedes S. R. A. Markets 66.

U. S. CONGRESS. HOUSE. COMMITTEE ON WAYS AND MEANS. Hearings on the relief of tobacco growers . . 58th Congress, 2d sess., February 4 and 25, 1904. U. S., 60th Cong., 1st sess., Senate Doc. 390. 1908.

U. S. CONGRESS. SENATE. COMMITTEE ON FINANCE. Free tobacco bill. Hearings held . .

U. S. CONGRESS. SENATE. COMMITTEE ON FINANCE. Free tobacco bill. Hearings held... on bills for the relief of tobacco growers... March 1, 1907. U. S., 59th Cong., 2d sess., Senate Doc. 372. 1907.
U. S. FEDERAL TRADE COMMISSION. Report on the tobacco industry. Dec. 11, 1920. Wash. Govt. Print. Off. 1921. 162 p.
WISCONSIN. DEPT. OF MARKETS. Cooperative tobacco marketing in Wisconsin. Bul., vol. 4, no. 4, 110e 30, 1923.

no. 4, June 30, 1923.



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