



AgEcon SEARCH
RESEARCH IN AGRICULTURAL & APPLIED ECONOMICS

The World's Largest Open Access Agricultural & Applied Economics Digital Library

This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.

Help ensure our sustainability.

Give to AgEcon Search

AgEcon Search
<http://ageconsearch.umn.edu>
aesearch@umn.edu

*Papers downloaded from **AgEcon Search** may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.*

W H E A T S T U D I E S

OF THE
FOOD RESEARCH INSTITUTE

VOLUME II

NUMBER 9

A SELECTED BIBLIOGRAPHY OF PUBLICATIONS,
1920—25,
RELATING TO THE WORLD WHEAT SITUATION

STANFORD UNIVERSITY, CALIFORNIA

August 1926

THE FOOD RESEARCH INSTITUTE

STANFORD UNIVERSITY, CALIFORNIA

Established in 1921 jointly by the Carnegie Corporation of New York and the Trustees of Leland Stanford Junior University, for research in the production, distribution, and consumption of food

DIRECTORS

CARL LUCAS ALSBERG

JOSEPH STANCLIFFE DAVIS

ALONZO ENGLEBERT TAYLOR

W H E A T S T U D I E S

Published by Stanford University for the Food Research Institute.
Entered as second-class matter February 11, 1925, at the post-office
at Stanford University, California, under the Act of August 24, 1912

The central feature of the series is a periodic analysis of the world wheat situation with special reference to the outlook for supplies, requirements, trade, and prices. The volume opens with a review of the previous crop year. Subsequently three surveys of current developments are made at intervals of about four months.

These surveys are supplemented by intensive studies bearing on the appraisal of the wheat situation and outlook and upon related matters of national policy. Typical subjects are indicated in the list of studies shown on the fourth cover page of this issue.

Volume II will comprise ten issues to be published monthly from November 1925 to September 1926, except April 1926. Issues may be secured by subscription at \$10.00 for the volume, including a temporary binder. Address: FOOD RESEARCH INSTITUTE, STANFORD UNIVERSITY P.O., CALIFORNIA. European subscriptions, at £2 2s., will be accepted by the Northern Publishing Co., Ltd., 16, Fenwick Street, Liverpool, England.

Copyright 1926, by Stanford University Press

W H E A T S T U D I E S

OF THE

FOOD RESEARCH INSTITUTE

VOL. II, No. 9

STANFORD UNIVERSITY, CALIFORNIA

AUGUST 1926

A SELECTED BIBLIOGRAPHY OF PUBLICATIONS, 1920-25, RELATING TO THE WORLD WHEAT SITUATION

FOREWORD

Interest in the economic aspects of the production, distribution, and consumption of the world's wheat supply was intensified by the events of the years 1914-19, and publications dealing with the subject became more numerous and significant than had been the case before the war. The post-war output of publications resulting from both governmental and private investigations has been especially voluminous. It constitutes an interesting and important record of discussions centering about the extreme decline of wheat prices from their peak in 1920, the ensuing severe depression in wheat-growing areas, the sharp advance of prices in 1924-25, the unusual fluctuations of demand and supply, the probable future movements of supplies and prices, and the various proposals to achieve stability through legislative action.

The following pages present a selected and classified bibliography of this mass of publications. Its scope is limited. It deals, in the main, with the economic aspects of the wheat situation. No attempt has been made to cover the scientific literature on the nature of the wheat plant and its growth, experiments in breeding and selection, the chemistry of wheat and flour, or milling and baking technology. But some of the references on these subjects useful to economists are listed in sections 6 and 19 below, and further information may be obtained from the bibliographies listed in section 1.

The bibliography covers only the years 1920-25, with the addition of some of the

more significant publications that appeared in the first half of 1926. Although this limitation excludes a number of publications that are still valuable for consultation, many of the pre-war publications are now only of historical interest, and those published during 1914-19 deal mainly with the abnormal situation created by the war.

The present bibliography is selective rather than exhaustive within its limited scope. Important items and articles have not been omitted because of their brevity, but no effort has been made to include news items, brief articles and editorials in daily or weekly journals, or occasional summaries. Except in a few special instances, periodical publications included in the issue of *WHEAT STUDIES* for January 1925, *Current Sources Concerning Wheat Supplies, Movements, and Prices*, have not been repeated here. The present bibliography supplements this earlier list.

Foreign as well as American literature is included in both bibliographies. Omissions of significant publications lying within even the limited scope of both lists have undoubtedly occurred through oversight, particularly from the material printed in languages other than English. The Institute will welcome suggestions for the addition of titles, in order that they may be included in subsequent periodical revisions of the present list.

The references are arranged according to the subject classification outlined below. Some overlapping of subject-matter be-

tween classifications will be encountered. Nevertheless, repetition of titles has been avoided throughout, in the belief that the comments preceding sections and the appended author-index will serve to obviate any considerable inconvenience.

I. General

1. Bibliographies
2. Collections of Statistics
3. General Surveys
4. Reviews of Current Developments
5. Prices and Price Factors

II. Production

6. Wheat Types and Varieties
7. Production and Production Factors
8. Farm Costs of Production
9. Farm Finance
10. Farm Storage and Rate of Marketing

III. Marketing

11. The Grain Trade: Historical and Descriptive
12. Wheat Grades and Grading
13. Future Trading, Hedging, Speculation
14. Co-operative Marketing
15. Transportation Facilities, Rates, and Costs
16. International Trade

IV. Utilization

17. Disposition of Wheat Supplies
18. Flour Milling and Consumption

V. National Policies

19. National Control of Wheat Trade and Prices
20. Tariffs and Tariff Policies
21. Agricultural Depression and the Wheat-Grower
22. Relief Measures Proposed or Adopted

I. GENERAL

1. BIBLIOGRAPHIES

Useful bibliographies published prior to 1920 are those in Peter Dondlinger, *The Book of Wheat* (New York, Orange Judd, 1908), and W. P. Rutter, *Wheat Growing in Canada, the United States, and the Argentine* (London, Black, 1911). A brief bibliography on the wheat plant is in John Percival, *The Wheat Plant*, cited in section 6 below. One on flour manufacture is in P. A. Amos, *Processes of Flour Manufacture*, cited in section 19 below.

[BROOMHALL, G. J. S.] "A Bibliography of Cereals and Flour Manufacture." *Milling* (Liverpool), August 2—November 29, 1924.

An extensive list, without comments, of which the compilers state: "It does not pretend to be complete, but it is sufficiently comprehensive to be helpful to farmers, grain merchants, and flour millers who desire a reference of this character." The bibliography is not selective and it is somewhat difficult to use because of lack of classification. It includes a large number of technical references not covered by the Food Research Institute bibliographies. Additions to the list have appeared irregularly in later issues.

FOOD RESEARCH INSTITUTE. "Current Sources Concerning Wheat Supplies, Movements, and Prices: A Select List, with Comments," by W. BLAIR STEWART and OTHERS. *Wheat Studies*, January 1925, I, 61-74.

Covers the principal yearbooks, monthlies, weeklies, dailies, and other periodical series, official and un-

official, of value for the study of current developments in the wheat situation in the world at large and in the principal exporting and importing countries.

U.S. DEPARTMENT OF AGRICULTURE. "Agricultural Co-operation: A Selected and Annotated Reading List" *Miscellaneous Circular No. 11*, July 1923.

See also a mimeographed supplement to this bibliography, compiled by Chastina Gardner, Bureau of Agricultural Economics, July 1924.

U.S. DEPARTMENT OF AGRICULTURE, BUREAU OF AGRICULTURAL ECONOMICS. "Price Spreads; A Selected List of References Relating to Analyses of the Portion of the Consumer's Price Accruing to Various Agencies," compiled by LOUISE O. BERCAW *Agricultural Economics Bibliography No. 4*, March 1925. (Mimeographed.)

— "Flour Milling and Bread Making," compiled by C. LOUISE PHILLIPS and J. H. SHOLLENBERGER *Agricultural Economics Bibliography No. 2*, Revised, June 1925. (Mimeographed.)

Prepared to meet "a constantly increasing demand for sources of information on modern scientific and technical phases of flour milling and bread making." Excellent in this field, but of only incidental value on economic aspects.

— "Factors Affecting Prices: A Selected Bibliography, Including Some References on the Theory and Practice of Price Analysis," compiled by LOUISE O. BERCAW *Agricultural Economics Bibliography No. 14*, March 1926. (Mimeographed.)

Of somewhat the same scope but for an earlier period is the "Bibliography of the Prices of Cereals," *Journal Royal Statistical Society*, March 1908, LXXI, 178-206.

U.S. DEPARTMENT OF AGRICULTURE, LIBRARY. "Index to Some Sources of Current Prices," compiled by EVA THAYER SHIVELY. *Bibliographical Contribution No. 5*, April 1923. (Mimeographed.)

Classified by commodities: wheat, pp. 109-13; flour, pp. 40-41.

— "Bibliography on the Marketing of Agricultural Products," compiled by EMILY L. DAY, KATHARINE JACOBS, and MARGARET T. OLCOTT. *Bibliographical Contribution No. 7*, June 1924. (Mimeographed.)

Classified by commodities: wheat, pp. 60-64.

— "World Food Supply: A Selected Bibliography," compiled by MARGARET T. OLCOTT. *Bibliographical Contribution No. 9*, June 1925. (Mimeographed.)

2. COLLECTIONS OF STATISTICS

The few titles here given supplement the extensive list of periodical sources published in WHEAT STUDIES, January 1925, I, 61-74. Official census data have not been specifically listed. Publications listed in other sections below, notably those in sections 4, 5, and 7, contain valuable statistical data.

RUSSIA: ADMINISTRATION CENTRALE DE STATISTIQUE DE L' U.R.S.S. *Abrégé des Données Statistiques de l'Union des Républiques Socialistes Soviétiques*. Moscow, 1925.

Assembles a mass of statistics on Soviet Russia, including data on wheat not readily accessible outside of publications in the Russian tongue.

U.S. DEPARTMENT OF AGRICULTURE. "Statistical Data Compiled and Published by the Bureau of Crop Estimates, 1863-1920." *Department Circular No. 150*, January 1921.

able Data for Earlier Years." *Statistical Bulletin No. 12*, February 1926. 118 pages.

Users should be warned of the defects in the earlier official statistics of acreage and production, especially pronounced in the 'nineties. In *Wheat Studies*, June 1926, is an unofficial revision of statistics of wheat acreage and production in the United States, up to 1910.

U.S. GRAIN CORPORATION. *Grain and Flour Statistics during the War*, compiled by A. L. RUSSELL. 1919. 43 pages.

— "Wheat and Rye Statistics: Year Ended December 31, 1924: With Compar-

— *Supplement*, compiled by A. L. RUSSELL. 1920. 44 pages.

3. GENERAL SURVEYS

The following section lists publications which deal with several topics together, e.g., production, trade, transportation, milling, etc. It also includes articles of a general nature not appropriate to other classifications.

[AUSTRALIA.] "Wheat and Its Cultivation," by A. E. V. RICHARDSON. *Journal, Department of Agriculture, Victoria*, 1924-25, XXII, 65-76, 129-157, 271-281, 385-414, 449-473, 600-614, 644-678, 730-742; XXII, i-iv, 158-171, 193-204, 257-266.

Australian wheat fields, soils of the Victorian wheat belt, structure and development of the wheat plant, methods of cultivation, seeding, harvesting, improvement of varieties, diseases, marketing, pooling and bulk handling in Australia, price, world's wheat markets, relationship between wheat yield and rainfall, factors for success in cultivation.

BAKER, O. E. "The Potential Supply of Wheat." *Economic Geography*, March 1925, I, 15-52.

Future demand, physical conditions, economic principles, the geography of production, potential production, with maps, diagrams, and illustrations.

CANADA: DEPARTMENT OF AGRICULTURE. *Canadian Wheat and Wheat Flour*. Ottawa, 1924. 29 pages.

Deals with the size of the crop, quality of the wheat, flour milling and exporting, transportation routes, comparisons of cost and yield.

FOOD RESEARCH INSTITUTE. "Canada as a Producer and Exporter of Wheat," by C. P. WRIGHT, J. S. DAVIS, and OTHERS. *Wheat Studies*, July 1925, I, 217-286.

GINI, PROFESSOR [CORRADO]. *Report on the Problem of Raw Materials and Foodstuffs, with Annexes Prepared under his Direction*. Geneva, League of Nations, August 16, 1921.

Difficulties in the supply and steps which the League might take. Statement of the position concerning cereals, pp. 81-102.

GIROLA, C. D. "Cultivo del Trigo en Argentina." *Museo Agrícola* (Buenos Aires), No. 21, 1921; No. 29, 1922.

GREAT BRITAIN: MINISTRY OF AGRICULTURE AND FISHERIES, London. "Economic Resources of Canada," by SIR HENRY REW. *Economic Series No. 3*, 1925. 128 pages.

HALL, A. D. *Agriculture After the War*. London, Murray, 1920. 137 pages.

Britain's dependence upon imported food, decline of British agriculture, arable land vs. grass, possibilities, etc.; agricultural imports and exports, 1913; acreage and live stock returns, 1870-1915.

KANSAS STATE BOARD OF AGRICULTURE. "Wheat in Kansas." *Quarterly Report*, XXXIX, No. 155, Topeka, September 1920. 326 pages.

Contains a series of illustrated articles on cultural methods, varieties, quality, marketing, milling, cost of production, pests, etc.

LARSON, HENRIETTA M. *The Wheat Market and the Farmer in Minnesota, 1858-1900*. (Columbia University Studies in History, Eco-

nomics, and Public Law, CXXII, No. 2.) 1926. 273 pages.

LEONARD, WILLIAM E. "The Wheat Farmer of Southeastern Washington." *Journal of Land and Public Utility Economics*, January 1926, II, 23-39.

MUSSET, RENÉ. *Le blé dans le monde*. (Les matières premières dans le monde, production — transport — mise-en-œuvre.) Paris, Berger-Levrault, 1923.

General account of the plant, its culture, consumption, commerce, the great wheat countries, transport and markets, etc.

PASVOLSKY, L., and MOULTON, H. G. *Russian Debts and Russian Reconstruction*. (Institute of Economics, Investigations in International Economic Reconstruction, No. 2.) New York, McGraw-Hill, 1924.

Russian grain culture and exports, pp. 84-94, with map and tables. Estimated future exports, pp. 106, 109.

PEARL, RAYMOND. *The Nation's Food: A Statistical Study of a Physiological and Social Problem*. Philadelphia, Saunders, 1920. 274 pages.

Primary and secondary food production in the United States, 1911-12 to 1917-18, and total human food production of United States; gross and net imports and exports; consumption.

U.S. DEPARTMENT OF AGRICULTURE. "Wheat Production and Marketing," by C. R. BALL, C. E. LEIGHTY, O. C. STINE, and O. E. BAKER. *Yearbook, 1921*, pp. 77-160.

Deals chiefly with the United States.

——— "Land Utilization in France." *Foreign Crops and Markets*, June 15, 1925, X, 701-728.

Deals with the effect of the war in intensifying the tendency to shift from farm marketing of field crops to production of live stock and animal products.

U.S. DEPARTMENT OF COMMERCE, BUREAU OF FOREIGN AND DOMESTIC COMMERCE. "The Economic Position of Argentina during the War," by BREWSTER L. SMITH, HARRY T. COLLINGS, and ELIZABETH MURPHEY. *Miscellaneous Series No. 88*, 1920.

Wheat and flour, pp. 16-22.

4. REVIEWS OF CURRENT DEVELOPMENTS

Reviews of current developments largely appear either regularly or at irregular intervals in official and unofficial periodical publications such as those listed in our earlier bibliography. Important examples are Broomhall's *Corn Trade News* and the U.S. Department of Agriculture's *Foreign Crops and Markets*. In the main, the titles of specific articles included in these periodicals are not listed in the present section; they are easily available in files of the periodicals. Valuable reviews of current developments are also embodied in the annual reports of the Secretary of Agriculture as printed in the *Yearbooks* of the U.S. Department of Agriculture.

- FOOD RESEARCH INSTITUTE. "The World Wheat Situation, 1923-24: A Review of the Crop Year," by W. E. BEACH, E. G. BENJAMIN, J. S. DAVIS, K. SNODGRASS, W. B. STEWART, and A. E. TAYLOR. *Wheat Studies*, December 1924, I, 1-58.
- "Developments in the Wheat Situation, August to December, 1924," by J. S. DAVIS, K. SNODGRASS, A. E. TAYLOR, and OTHERS. *Ibid.*, February 1925, I, 77-119.
- "Developments in the Wheat Situation, January to March, 1925," by J. S. DAVIS, K. SNODGRASS, A. E. TAYLOR, and OTHERS. *Ibid.*, April 1925, I, 145-171.
- "Developments in the Wheat Situation, April to July, 1925," by J. S. DAVIS, K. SNODGRASS, A. E. TAYLOR, and OTHERS. *Ibid.*, September 1925, I, 329-362.
- "The World Wheat Situation, 1924-25: A Review of the Crop Year," by J. S. DAVIS, A. E. TAYLOR, and OTHERS. *Ibid.*, November 1925, II, 1-64.
- "The World Wheat Situation, August to November, 1925," by J. S. DAVIS and A. E. TAYLOR. *Ibid.*, December 1925, II, 65-100.
- "The World Wheat Situation, December 1925 to March 1926," by J. S. DAVIS and A. E. TAYLOR. *Ibid.*, May 1926, II, 203-236.
- LEAGUE OF NATIONS. *Report on Economic Conditions in Russia with Special Reference to the Famine of 1921-22 and the State of Agriculture*. Geneva (C. 705. M. 451. II), 1922.
- Agriculture before the famine, famine conditions 1921-22, etc.; statistics of harvests, industry, transport, etc.; reports of relief committees; extensive bibliography.
- LONDON AND CAMBRIDGE ECONOMIC SERVICE. "Harvest Results and Prospects," by R. B. FORRESTER. *Special Memorandum No. 4*, December 1923; *No. 9*, December 1924.
- Wheat calendar; areas; production (five pre-war and the post-war years); unit yields; net exports of wheat and wheat flour from chief exporting countries; certain stocks, U.S.A. and Canada; review of the wheat situation.
- MORTARA, GIORGIO. "Grano: Produzione Mondiale e Scambi Internazionali; La Situazione Granaria dell' Italia." *Giornale degli Economisti*, 1923, LXIII, Appendix, pp. 1-54.
- This appeared also in the *Prospettive Economiche*, Anno Quarto, 1924, a yearly publication by the same author, which has included a similar yearly survey of the grain trade of the world and of Italy since 1921.
- NATIONAL BANK OF COMMERCE IN NEW YORK. "The Wheat Outlook." *Commerce Monthly*, October 1921, III, No. 6, pp. 13-14.
- "Outlook for World Wheat Supplies." *Ibid.*, August 1922, IV, No. 4, pp. 12-17.
- "Outlook for World Wheat Supplies." *Ibid.*, October 1923, V, No. 6, pp. 21-25.
- "World Wheat Situation." *Ibid.*, August 1924, VI, No. 4, pp. 21-24.
- "Outlook for World Wheat Supplies." *Ibid.*, August 1926. VIII, No. 4, pp. 20-25.
- TAYLOR, ALONZO E. "The Bread Grain Situation in the World." *Northwestern Miller*, February 28, 1923, CXXXIII, 909-910, 954-955.
- "The World's Bread Grain Situation." *Northwestern Miller*, August 9, 1923, CXXXV, 897-898.
- WILSON, SIR JAMES. "The World's Wheat." *Journal Royal Statistical Society*, May 1921, LXXXIV, 329-391.

WILSON, SIR JAMES. "The World's Wheat." *Corn Trade News*, November 8, 9, 10, 1921, LXXX, 361-364, 375-378, 388-390.

Probable supply and demand by countries; summary of yield; position; imports and exports, past and probable future; probable production end of crop year; ocean freights, exchange rates, prices.

Similar analyses were prepared by Sir James Wilson in March 1922, November 1922, May 1923, October 1923, May 1924, August 1924, November 1924, August 1925, November 1925. Some of these were published in Broomhall's *Corn Trade News*. The surveys of November 1922, October 1923, November 1924, and August 1925 were reprinted by the Northern Publishing Co., Liverpool.

5. PRICES AND PRICE FACTORS

References which include incidental discussions of prices are also to be found below in Group V, National Policies, particularly sections 19 and 21, dealing with "National Control of Wheat Trade and Prices" and "Agricultural Depression and the Wheat Grower."

AUGÉ-LARIBÉ, MICHEL. "Le blé français—est-il trop cher?" *Revue d'Economie Politique*, January-February 1924, XXVIII, 87-95.

BECKMANN, FRITZ. "Inlandpreis und Weltmarktpreis für Getreide, Getreideeinfuhr und Mehleinfuhr." *Schmollers Jahrbuch*, Viertes Heft 1924, XLVIII, 119-144.

The relationship between domestic (German) and foreign prices, forces preventing assimilation, remedies for losses on marketing of domestic grain, the Stuttgart resolution against the grain duty.

BEVERIDGE, SIR WILLIAM H. "Wheat Prices and Rainfall in Western Europe." *Journal Royal Statistical Society*, May 1922, LXXXV, 412-478.

Extensive historical comparison of fluctuations in wheat prices and rainfall by periodogram analysis, with discussions.

BOSLAND, C. C. "Forecasting the Price of Wheat." *Journal of the American Statistical Association*, June 1926, XXI, 149-161.

BOYLE, JAMES E. *The Law of Supply and Demand and the Wheat Market*. Copyrighted, J. E. B., 1921. 63 pages.

——— *Chicago Wheat Prices for Eighty-one Years*. Copyrighted, J. E. B., 1922. 71 pages.

Subtitle: "Daily, monthly, and yearly fluctuations and their causes."

——— *Wheat Prices and Wheat Receipts in Chicago: Their Correlation for Ten Crop Years, July 1, 1904, to June 30, 1914*. Chicago Board of Trade, 1923. 14 pages.

GREAT BRITAIN: MINISTRY OF AGRICULTURE AND FISHERIES. "Report of the Committee on Stabilization of Agricultural Prices." *Economic Series No. 2*, 1925. 106 pages.

Section III: (1) Changes in prices owing to variation in volume of supplies: wheat, pp. 27-28, 43-47; (2) consequences of variations in volume of supplies: wheat, p. 48; (3) remedies for variation, co-operative and centralised marketing: Australian and Canadian wheat pools, pp. 57-60, 61-62; wheat and flour importing, pp. 71-75. Appendix 1: Tables of annual acreage, home supply, imported supply, and total supply of wheat and wheat flour, yearly and triennially, 1852-1913; imports of wheat and flour 1855-1896; yearly and triennial average prices, 1821-1870; freight rates, 1868-1902 (from Chicago).

GREAT BRITAIN: MINISTRY OF AGRICULTURE AND FISHERIES, DEPARTMENTAL COMMITTEE ON DISTRIBUTION AND PRICES OF AGRICULTURAL PRODUCTS. *Interim Report on Cereals, Flour and Bread*. Cmd. 1971. 1923. 100 pages.

Production, imports, prices, marketing methods, and costs of cereals; milling and distributing costs of flour; prices, baking, and distributing costs of bread.

——— *Final Report*. Cmd. 2008. 1924. 42 pages.

Recent movements in agricultural prices; the spread between producers' and consumers' prices; the producer and his market; distributors, transportation, wholesale and retail; co-operation; collection and publication of price statistics; media of exchange; need for continuous investigation.

GREAT BRITAIN: ROYAL COMMISSION ON FOOD PRICES. *First Report . . . with Minutes of Evidence and Appendices*. Cmd. 2390. 1925. 3 vols. 207, 387, and 226 pages.

Vol. I, *First Report*: Part II: Bread—description of the trade, cost of production and distribution, bakers' profits, pp. 21-46; Part III: Flour—description of the milling trade, expenses and profits, pp. 47-58; Part IV: wheat—world conditions and prices, option markets, speculation and wheat prices. Vol. II: *Minutes of Evidence*—lists of witnesses. Vol. III: *Appendices*—statements submitted by witnesses, with charts, tables, etc., of wheat, flour, and bread prices in Great Britain, chiefly for post-war years.

KANSAS AGRICULTURAL EXPERIMENT STATION, Manhattan, Kansas. "Seasonal Fluctuations of Wheat Prices," by R. M. GREEN. *Circular No. 121*, December 1925.

JACKSON, GILBERT E. "Wheat and the Trade Cycle: A Footnote to Canadian Economic History." *Canadian Historical Review*, September 1922, III, 256-271.

Relation between industrial depressions in Canada and sudden fall in exchange value of wheat. Monthly prices of wheat, 1912-14 and 1919-21.

LIESSE, ANDRÉ. "Une vieille question: le prix du pain." *L'Économiste Français*, February 14, 1925, LIII, 193-195.

Causes of the high price of wheat; proposals for ascertaining farm stocks and establishing an *Office du Blé*.

MEARS, ELIOT G. "Wheat, Wheat Flour, and Bread Composite Prices." *Economic Journal*, March 1923, XXXIII, 39-50.

MURRAY, NAT C. "The Trend of Prices." *Journal of Farm Economics*, April 1921, III, 73-81.

NEBRASKA AGRICULTURAL EXPERIMENT STATION, Lincoln. "Purchasing Power of Nebraska Grains," by H. C. FILLEY and E. A. FRERICHS. *Bulletin No. 187*, 1923.

Monthly prices at Columbus, Nebr., 1877-1922.

PATTON, HAROLD S. *Papers on the World's Wheat Trade: I. A Century and a Quarter of Wheat Prices. II. The Changing Equilibrium in the World's Wheat Trade*. Department of Extension, University of Alberta, Edmonton, June 1925. 62 pages.

I: English prices, 1800-1924. II: Europe as a wheat importer.

SAKOLSKI, A. M. "Price Making and Price Stability." *Harvard Business Review*, January 1925, III, 204-209.

Grain prices used as illustrations.

TAYLOR, ALONZO ENGLEBERT. "The Decline of Prices of Cereals." *Journal of Farm Economics*, October 1922, IV, 193-208.

U.S. CONGRESS. [Wheat Crop of 1917.] *H.R. 2365*, "to provide relief to persons who owned wheat of crop of 1917 before announcement of Food Administration price-

fixing policy with respect thereto, and who sold such wheat after August 11, 1917." 67th Congress, 1st Session, 1921.

— *Hearings before the House Committee on Agriculture on H.R. 2365*. June 7, 1921. 36 pages.

U.S. FEDERAL TRADE COMMISSION. *Report on Wheat Prices for the 1920 Crop*. Washington, December 1920. 91 pages.

Supply, exports, foreign buying, imports from Canada, changing price levels, prices 1920, demand for flour, futures, speculation, movements, etc.

— *Prices of Grain and Grain Futures*. Washington, September 10, 1924. 374 pages. Volume VI of the *Report on the Grain Trade*.

U.S. DEPARTMENT OF AGRICULTURE. "Market Statistics," by CARL J. WEST and LEWIS B. FLOHR. *Bulletin No. 982*, June 1921.

Grain, pp. 155-205. Monthly and yearly prices, exports, receipts and shipments at primary markets, visible supplies, gradings, 1910-11 to 1920-21.

— "Farm and Terminal Market Prices: Wheat, Corn, and Oats, Crop Movement Year 1920-21," by J. W. STROWBRIDGE. *Bulletin No. 1083*, September 1922.

Monthly prices of mixed, red winter, hard winter, dark hard winter, northern spring, dark northern spring, and durum at Minneapolis, Kansas City, St. Louis, Chicago, and contributing territories of each.

— "A Method of Estimating the May Price of Spring Wheat." *Foreign Crops and Markets*, May 11, 1925, X, 549-552.

This is a study by the Division of Statistical and Historical Research. It explains the formula used and gives an example of procedures.

— "What Makes the Price of Oats," by HUGH B. KILLOUGH. *Bulletin No. 1351*, September 1925.

Discussion of wheat prices, pp. 23-26; tables of wheat production and prices, appendix, pp. 36-38.

WESTON, L. H. *The Art of Forecasting Wheat Prices by the Use of Harmonic Cycles*. Washington, Author, 1923. 28 pages.

"The recorded mean prices of wheat in England yearly between 1270 and 1909 are given in a table and a diagram, as are also monthly mean prices of wheat at Chicago and Cincinnati from 1844 to 1921. Special charts are also given to illustrate the explanations regarding the method of forecasting by means of cycles. Forecasts are made over 40 years and charted."

II. PRODUCTION

6. WHEAT TYPES AND VARIETIES

The following section includes only references which describe or discuss inclusive groups of wheat types and varieties. Titles bearing only upon single types or varieties of wheat have been excluded as of interest chiefly to agronomists. Articles and reports dealing with experiments in wheat breeding and selection may be found in the annual reports of the various agricultural experiment stations and experimental farms; many are listed in the bibliographies noted in section 1 above.

ALCOCK, ALFRED W. "The Milling and Baking Qualities of the Wheats of Western Canada." *Journal Canadian Chemistry and Metallurgy*, March 1925, IX, 60-64. *North-western Miller*, March 25, 1925, CXXI, 1154, 1181-1182.

Protein content, yield of flour, quality, absorption, baking strength, etc. Notice of a new variety, Kota.

ALSBERG, CARL L. "The Coming Hard Wheat Deficiency." *Baking Technology*, February 1924, III, 54-58.

Reprinted by the Food Research Institute.

ARGENTINA: MINISTERIO DE AGRICULTURA, SECCIÓN PROPAGANDA E INFORMES, Buenos Aires. "Genetica del Trigo," by WILLIAM O. BACKHOUSE and VINCENTE C. BRUNINI. *Circular No. 460*, June 5, 1925. 66 pages.

Deals chiefly with cultural methods and improvements of varieties for Argentina; contains a map of grain-growing areas.

AUSTRALIA: INSTITUTE OF SCIENCE AND INDUSTRY, Melbourne. "A Classification and Detailed Description of the More Important Wheats of Australia." *Bulletin No. 26* (revision and extension of *Bulletin No. 18*, 1920), 1923. 72 pages.

BIFFEN, R. H. "Modern Wheats." *Journal Farmers' Club*, 1924, Part I, 2-9.

A consideration of wheats cultivated in England and the problems involved in improving the crop.

BRÉTIGNIÈRE, L. "The Distribution of Varieties of Wheat in France." *Revue de Botanique appliquée et d'Agriculture coloniale*, *Bulletin No. 16*, 1922, pp. 785-792.

Abstracted in *International Review Science and Practice of Agriculture*, July-September, 1923, n.s. 1, 668-670. 2 maps. Types suited to local conditions, etc.

FOSTER, L. D. "Wheats and Flours in New Zealand." *Mid-Pacific Magazine*, October 1924, XXVIII, 335-345.

Localities suitable, varieties, results of milling and baking tests.

GIROLA, C. D. "Antecedentes Relativos a Aplicaciones genéticas en Argentina: Estudio de las Variedades de Trigo Argentinas y aclimatadas y su Selección." *Museo Agrícola No. 33*, 1923.

INDIA: DEPARTMENT OF AGRICULTURE, Pusa. "The Wheats of Bihar and Orissa," by A. HOWARD, G. L. C. HOWARD, and A. R. KHAN. *Memoirs, Botanical Series*, November 1922, XII, No. 1.

PERCIVAL, JOHN. *The Wheat Plant: A Monograph*. London, Duckworth, 1921. 463 pages.

Part I, Study of the plant. Part II, Varieties. Bibliography, pp. 441-454.

U.S. DEPARTMENT OF AGRICULTURE. "Australian Wheat Varieties in the Pacific Coast Area," by J. A. CLARK, D. E. STEPHENS, and V. H. FLORELL. *Bulletin No. 877*, September 1920.

— "Classification of American Wheat Varieties," by J. A. CLARK, J. H. MARTIN, and C. R. BALL. *Bulletin No. 1074*, November 1922. 238 pages.

A comprehensive list, superseding previous bulletins. Bibliography, pp. 219-230. Recast in more popular forms in *Farmers' Bulletins Nos. 1280, 1281, 1301, 1303, 1305, 1340*.

VILMORIN, JACQUES DE. "Classification agricole des principales variétés de blés cultivés en France et dans l'Afrique du Nord française." *Comptes Rendus de l'Académie d'Agriculture en France*, 3 Juin 1925, XI, 576-583.

The work of the Administration of Agriculture in this connection.

7. PRODUCTION AND PRODUCTION FACTORS

Several publications listed in section 3, above, include consideration of production factors, while those in section 4 deal with production.

- ARGENTINA: MINISTERIO DE AGRICULTURA, SECCIÓN PROPAGANDA E INFORMES. "Las Condiciones Climatológicas y el Rendimiento del Trigo," by GUILLERMO HOXMARK. *Circular No. 501*, August 24, 1925. 43 pages.
- BRÉTIGNIÈRE, L. *La production du blé*. (Bibliothèque Agriculture et Progrès.) Paris, Delagrave, 1925. 30 pages.
- One of a popular series designed to accompany films of Agricultural processes.
- [AUSTRALIA.] "Present and Probable Future Distribution of Wheat, Sheep, and Cattle in Australia," by R. G. THOMAS. *Journal, Department of Agriculture, Victoria*, July 1922, XX, 385-389.
- CAMPBELL, C. *Considerazioni sulla coltivazione e produzione del frumento nel Mezzogiorno*. Arpino, G. Fraioli, 1923.
- Causes of and remedies for low and fluctuating yields in South Italy.
- AUSTRALIA: NEW SOUTH WALES BUREAU OF STATISTICS, Sydney. *Wheat Growing in New South Wales*, by H. A. SMITH. 1923. 5 pages.
- "The characteristics and limits of areas of the state in which wheat can be grown for grain profitably are described with comment on soil, rainfall and evaporation, research, transportation, price and yields, the main factors affecting wheat production in the state."
- CHICANOT, E. L. "Send Us Men." *Northwestern Miller*, August 8, 1923, CXXXV, 573-574, 586-588.
- Harvest labor in Canada.
- AUSTRALIA: SELECT COMMITTEE ON THE CONDITIONS AND PROSPECTS OF THE AGRICULTURAL INDUSTRY AND METHODS OF IMPROVING THE SAME. *Final Report*. Sydney, N.S.W., Legislative Council, 1922.
- Wheat, pp. 31-46, 109-147.
- COPLAND, D. B. *Wheat Production in New Zealand: A Study in the Economics of New Zealand Agriculture*. Auckland, Whitcombe and Tombs, 1920.
- Consumption, production, New Zealand conditions, quality, history of production, price, cost of production, etc. Also a chapter on "Improvement of Wheat by Selection in New Zealand," by F. W. Hilgendorf.
- COULTER, JOHN LEE. "Problems of the Wheat Belt." *Agricultural Review*, November 1923, XVI, 15-17.
- U.S. export, world supply and demand, improvement of marketing, diversified farming, etc.
- *Interim Reports together with the Digest of Evidence, Index, and Appendices*. Sydney, N.S.W., Legislative Council, 1923.
- Wheat, pp. xix-xxxiii, 196-278.
- DENIS, PIERRE. "La mise en valeur de la plaine pampéenne: Les cultures de céréales." *Revue de l'Amérique Latine*, September 1924, VIII, 204-214.
- A consideration of wheat and maize in Argentina on the basis of the areas sown in 1895, 1908, 1914, 1923.
- BEVERIDGE, SIR W. H. "British Exports and the Barometer." *Economic Journal*, March, June, 1920, XXX, 13-25, 209-213.
- FISHER, R. A. "The Influence of Rainfall on the Yield of Wheat at Rothamsted." *Philosophical Transactions Royal Society of London*, November 1923. Series B, CXIII, 89-142.
- Data, mathematical formulæ, results, and comparisons with other inquiries.
- "Weather and Harvest Cycles." *Ibid.*, December 1921, XXXI, 429-452.
- FOOD RESEARCH INSTITUTE. "Wheat Acreage and Production in the United States since 1866," by HOLBROOK WORKING. *Wheat Studies*, June 1926, II, 237-264.
- Presents evidence of errors in official estimates, especially pronounced in the 'nineties, and undertakes a revision for the period up to 1910.
- BRACKEN, JOHN. *Crop Production in Western Canada*. Winnipeg, Grain Growers' Guide, 1920. 423 pages.
- Seed, choice of crops, plant growth, wheat, oats, etc., insect pests, are some of the topics considered.
- *Dry Farming in Western Canada*. Winnipeg, Grain Growers' Guide, 1921.
- Deals with climate, soil, tillage, rotations, weeds, irrigation farming, low yields, special soils, etc., with contributed chapters.

FRANCE: LA SEMAINE NATIONAL DU BLÉ. *Le blé, production, industries de transformation, commerce: Compte-Rendu des travaux de la semaine*. Paris, Dubois et Bauer, January 1923.

To investigate the means of producing in France and North Africa all the wheat necessary for household consumption and industrial use, and to show the best wheats for the national market. Reports and addresses.

HESSLING, W. A. "Relations between the Weather and the Yield of Wheat in the Argentine Republic." *Monthly Weather Review*, June 1922, II, 302-308.

Translated from *Boletín Mensual*, Oficina Meteorológica Argentina, April 1919.

HOOKE, R. H. "The Weather and the Crops in Eastern England, 1885-1921." *Quarterly Journal Royal Meteorological Society*, April 1922, XLVIII, 115-138.

Continuation of a study published in 1907 giving partial correlation coefficients with rainfall and temperature for wheat and other crops, and conclusions.

HOWARD, ALBERT. *Crop-Production in India: A Critical Survey of Its Problems*. Oxford University Press, 1924.

Wheat, pp. 100-110, with bibliography.

HUTCHINSON, R. *The Economic Basis of Wheat Growing*. National Federation Millers, Great Britain and Ireland, November 1923.

ITALY: MINISTERO PER L'AGRICOLTURA, Rome. "The Wheat Climate in Italy," by G. AZZI. *Nuovi Annali*, Year II, No. 3, 1922, pp. 453-624.

Abstracted in *International Review Science and Practice of Agriculture*, July-September 1923, n.s. I, 608-615.

Regional monographs; phenoscopic maps; classification of adverse phenomena and varieties of wheat; general conclusions.

JOVINO, S. "Il Clima e l'Uomo nella Produzione Granaria Meridionale." *Giornale di Agricoltura della Domenica* (Piacenza), 1924, Year XXXIV, No. 23, p. 208.

Abstracted in *International Review Science and Practice of Agriculture*, July-September 1924, n.s. II, 627-628.

LAMBERT, NORMAN P. "Western Agricultural Resources." *Annals American Academy Political and Social Science*, May 1923, CVII, 74-81.

Deals with Canadian soils, climatic conditions, cultivation methods, areas, etc.

LESCOHIER, D. D. "Hands and Tools of the Wheat Harvest." *Survey*, July 1 and August 1, 1923, L, 376-382, 409-410, 482-487, 503-504.

The personnel and motives of the migratory harvest laborers in United States.

LEWIS, H. T., and MILLER, S. I. (Editors). *The Economic Resources of the Pacific Northwest*. Seattle, Lowman and Hanford, 1923.

Chap. III, "Grain Resources of the Northwest," by G. R. Hyslop.

Chap. XIII, "Flour Milling," by W. S. Allen. Distribution of wheat crop of Oregon, Washington, and Northern Idaho, 1906-1919.

LYON, L. S., and RASSIEUR, T. E. "The Price Responsiveness of Wheat Growers." *Journal Political Economy*, December 1924, XXXII, 707-721.

Concludes that spring wheat acreages are more influenced by prices, especially by long-time prices, than winter.

MICHENER, CARROLL K. "Africa in the World's Wheat Trade." *Northwestern Miller*, September 12, 19, 1923, CXXXV, 1101-1102, 1118-1120, 1199-1200, 1216-1220.

MIDDLETON, THOMAS HUDSON. *Food Production in War*. (Economic and Social History of the World War, Carnegie Endowment for International Peace, British Series.) Oxford, Clarendon, 1923.

Situation in 1914, values of foods, grass lands, harvests 1915-18, food production campaign, etc.

MOORE, H. L. "Crop Cycles in the United Kingdom and in France." *Journal Royal Statistical Society*, May 1920, LXXXIII, 445-454.

——— "Forecasting the Crops of the Dakotas." *Political Science Quarterly*, June 1920, XXXV, 204-235.

——— "Generating Economic Cycles of Products and Prices." *Quarterly Journal of Economics*, February 1921, XXXV, 215-239.

——— "The Origin of the Eight-Year Generating Cycle." *Ibid.*, November 1921, XXXVI, 1-29.

PAYEN, EDOUARD. "La production des céréales en France." *L'Économiste Français*, May 24, 1924, LII, 643-645.

Area under cultivation, decennial averages of area and production.

SMITH, J. WARREN. *Agricultural Meteorology*. New York, Macmillan, 1920.

Effect of weather on the yield of grain. Wheat, pp. 181-214.

U.S. DEPARTMENT OF AGRICULTURE. "Harvest Labor Problems in the Wheat Belt," by D. D. LESCOHIER. *Bulletin No. 1020*, April 1922. 35 pages.

——— "Weather and Agriculture," by A. J. HENRY and OTHERS. *Yearbook 1924*, 457-558.

——— "Conditions Affecting the Demand for Harvest Labor in the Wheat Belt," by D. D. LESCOHIER. *Bulletin No. 1230*, April 1924. 45 pages.

——— "Agricultural Survey of Europe: The Danube Basin—Part I," by LOUIS G. MICHAEL. *Bulletin No. 1234*, April 1924.

Deals with Austria, Hungary, and Czecho-Slovakia.

——— "Sources of Supply and Conditions of Employment of Harvest Labor in the Wheat Belt," by D. D. LESCOHIER. *Bulletin No. 1211*, May 1924. 26 pages.

——— "Abandonment of Winter Wheat." *Crops and Markets Monthly Supplement*, December 1925, II, 425.

Explaining the method used for estimating early in April the probable abandonment of winter wheat before it is reported by correspondents on May 1.

——— "Revised Estimates of Crop Acreages, New York, 1862-1919," by DONALD JACKSON and JOSEPH A. BECKER. *Circular No. 373*, April 1926. 20 pages.

"A study of methods to be used in revising crop and livestock estimates of the U.S. Department of Agriculture." Wheat, pp. 6-8.

U.S. DEPARTMENT OF AGRICULTURE, BUREAU OF AGRICULTURAL ECONOMICS. "Cereal Production in Jugo-Slavia." "Cereal Production in Bulgaria." "The Agricultural Situation in Roumania with Special Reference to Cereal Production." *Reports, F.S. 24, 25, 26*, November 1922. (Mimeographed.)

U.S. DEPARTMENT OF LABOR, EMPLOYMENT SERVICE, FARM LABOR BUREAU. "Harvesting in the 'Big Wheat Belt,'" by GEORGE E. TUCKER. *Bulletin H-24*, 1924. (Mimeographed). 7 pages.

Survey of the wheat states and demand for labor.

WASHINGTON AGRICULTURAL EXPERIMENT STATION, Pullman. "Wheat Production as Influenced by Variety, Time of Seeding and Source of Seed," by E. G. SHAFER, E. F. GAINES, and O. E. BARBEE. *Bulletin No. 159*, 1921. 34 pages.

WHITNEY, MILTON. "The Yield of Wheat in England during Seven Centuries." *Science*, October 26, 1923, n.s. LVIII, 320-324.

With chart showing yield per acre for the seven centuries as estimated by various authorities.

8. FARM COSTS OF PRODUCTION

ARGENTINA: MINISTERIO DE AGRICULTURA, SECCIÓN PROPAGANDA E INFORMES. "Sistemas y Maquinas para Cosecha de Trigo." *Circular No. 489*, August 1, 1925. 50 pages.

BÓREA, DOMINGO. *La Cosecha del Trigo en la República Argentina: Método para Determinar su Costo*. Buenos Aires, Gadola, 1921. 43 pages.

BOSS, ANDREW. "The Choice of Crop Enterprises Based on Returns for Labor." *Journal of Farm Economics*, January 1921, III, 30-40.

CANADA: BUREAU OF STATISTICS, Ottawa. *Cost of Grain Production in Canada, 1923*. 1924. 22 pages.

Answers to a schedule of questions; comparison with other inquiries.

FOOD RESEARCH INSTITUTE. "Average Pre-War and Post-War Farm Costs of Wheat Production in the North American Spring-Wheat Belt," by M. K. BENNETT and J. S. DAVIS. *Wheat Studies*, May 1925, I, 173-207.

GODFREY, E. H. "Costs of Grain Production." *Journal Canadian Bankers' Association*, April 1925, XXXIII, 293-306.

GRANGE, HERBERT. *Wheat Costings 1924 and 1919-1922, Showing the Cost of Wheat Production in Each Year and a Method of Ascertaining the Cost of Corn-Growing in any Year*. London, King, 1922. 16 pages.

Costs on a farm in Hertfordshire with detailed tables.

- MISSOURI AGRICULTURAL EXPERIMENT STATION. "Cost of Producing Wheat and Oats in Missouri, 1920," by O. R. JOHNSON. *Circular No. 100*, October 1920.
- NORTH DAKOTA AGRICULTURAL EXPERIMENT STATION. "Cost of Producing Wheat and Other Crops in North Dakota in 1919, 1920, 1921," by REX WILLARD. *Bulletins Nos. 142, 144, 165*, 1920, 1921, 1922.
- U.S. DEPARTMENT OF AGRICULTURE. "The Cost of a Bushel of Wheat," by F. W. PECK. *Yearbook 1920*, pp. 301-308.
- "Cost of Producing Wheat on 481 Farms in the States of North and South Dakota, Minnesota, Kansas, Nebraska, and Missouri, for the Crop Year 1919," by M. R. COOPER and R. S. WASHBURN. *Bulletin No. 943*, April 1921.
- "Cost of Producing Winter Wheat in Central Great Plains Region of the United States," by R. S. WASHBURN. *Bulletin No. 1198*, April 1924. 35 pages.
- "Cost of Producing Corn, Wheat, and Oats, 1922." *Weather, Crops, and Markets*, September 1923, IV, 218.
- "Cost of Producing Field Crops, 1923." *Crops and Markets, Monthly Supplement*, June 1924, I, 176-177.
- "Cost of Producing Field Crops, 1923," by M. R. COOPER and C. R. HAWLEY. *Department Circular No. 340*, May 1925. 27 pages.
- "Cost of Producing Field Crops, 1924." *Crops and Markets, Monthly Supplement*, June 1925, II, 180-181.
- "Cost of Producing Field Crops, 1925." *Ibid.*, June 1926, III, 170-171.
- U. S. TARIFF COMMISSION. *Wheat and Wheat Products: A Report to the President of the United States*. Washington, 1924. 71 pages.
- "Differences in costs of production of wheat, wheat flour, and wheat mill feed in the United States and in Canada, as ascertained pursuant to the provisions of section 315 of Title III of the Tariff Act of 1922."
- WASHINGTON AGRICULTURAL EXPERIMENT STATION. "Report of the Division of Farm Management," by G. SEVERANCE. *Bulletin No. 175*, 1922, pp. 27-30.
- Studies on the cost of wheat production in the Palouse.

9. FARM FINANCE

- ANDERSON, BENJAMIN M., JR. "Agricultural Credits and Co-operative Marketing." *Chase Economic Bulletin*, August 10, 1923, III, No. 3.
- CHAPMAN, JOHN M. "Financing the Marketing of Wheat." *Harvard Business Review*, July 1925, III, 436-446; October 1925, IV, 57-70.
- HOFFMAN, G. WRIGHT. "Crop Insurance—Its Recent Accomplishments and Its Possibilities." *Annals American Academy Political and Social Science*, January 1925, CXVII, 98-112.
- Experiments to date in crop insurance covering grain, pp. 98-106. Hail insurance, pp. 110-112.
- MILLER, CAP E. "Farm Management as Insurance for the Northern Great Plains Area." *Journal of Farm Economics*, July 1921, III, 113-121.
- U.S. CONGRESS. *S. R. 341 and S. Res. 413*, "providing for an investigation of the subject of crop insurance." 67th Congress, 4th Session, 1924.
- *Hearings before the Select Committee on Investigation of Crop Insurance*. April 1923. 116 pages.
- U.S. DEPARTMENT OF AGRICULTURE. "Farm Credit, Farm Insurance and Farm Taxation," by N. A. OLSEN, C. O. BRANNEN, G. F. CADISCH, and R. W. NEWTON. *Yearbook 1924*, pp. 185-284.
- "Centralized Management of a Large Corporate Estate Operated by Tenants in the Wheat Belt," by W. H. BAUMGARTEL. *Department Circular No. 351*, 1925. 35 pages.
- This is a description of the development and the system of management of the Amenia and Sharon Land Company.
- "Crop Insurance: Risks, Losses, and Principles of Protection," by V. A. VALGREN. *Bulletin No. 1043*, 1922. 27 pages.
- VALGREN, V. A. "Insurance and the Farm Hazards." *Journal of Land and Public Utility Economics*, April 1925, I, 189-197.

10. FARM STORAGE AND RATE OF MARKETING

- ARGENTINA: MINISTERIO DE AGRICULTURA DE LA NACIÓN, Buenos Aires. "Los depositos de cereales en la campaña," by GUSTAVO DE MARNEFFE. *Boletin*, XXVI, 98-118, 1921.
- BAINER, H. M. *Handling Wheat from Field to Market*. Kansas City, Southwestern Wheat Improvement Association, 1923. 14 pages.
- INDIA: AGRICULTURAL RESEARCH INSTITUTE. "Stored Grain Pests," by T. B. FLETCHER and C. C. GHOSH. *Bulletin No. 111*, 1921, pp. 713-758.
- KANSAS AGRICULTURAL EXPERIMENT STATION. "Farm Storage as a Factor in the Marketing of Wheat," by R. M. GREEN. *Bulletin No. 229*, 1922. 32 pages.
Fluctuations of mill and export demand; necessity of storing; farm equipment, etc.
- MINNESOTA STATE DEPARTMENT OF AGRICULTURE, St. Paul. "Marketing Problem of Minnesota Farmers," by HUGH J. HUGHES. *Bulletin No. 11*, 1920.
Considers general problems and principles of marketing, and reports briefly on their application to the marketing of farm products, including grain.

III. MARKETING

11. THE GRAIN TRADE: HISTORICAL AND DESCRIPTIVE

Publications dealing incidentally with the historical and descriptive aspects of the grain trade may also be found in several of the subsequent sections, notably section 17, "International Trade."

- BARKER, ARTHUR. *The British Corn Trade from the Earliest Times to the Present Day*. London, Pitman, 1920.
"An elementary book."
- BOYLE, JAMES E. "The Farmers and the Grain Trade in the United States: An Interpretation of the Present Pooling Movement." *Economic Journal*, March 1925, XXXV, 11-25.
History of pools in general, of the United States wheat pools, and prediction of their disappearance.
- BLACK, JOHN D., and PRICE, H. B. "Costs and Margins in Marketing." *Annals American Academy Political and Social Science*, January 1925, CXVII, 184-200.
Variations in costs and year to year; fluctuations in margins of country elevators; variations in central marketing costs and margins; effect on costs of inter-unit organization; margins between producer and consumer; studies of marketing cost and margin.
- [CANADA.] *Report of the Royal Grain Inquiry Commission*. Ottawa, Sessional Paper No. 35, 15 Geo. V, A. 1925. 217 pages.
Deals with elevators, country, public, terminal, storage; grading, mixing, etc.; financing; Winnipeg grain exchange; markets and trade routes; investigation in Holland and Great Britain; transportation.
- CANADA: DEPARTMENT OF TRADE AND COMMERCE. *The Canada Grain Act, 1912, with Amendments to date, September 1, 1921*. Ottawa, 1921.
- CLEMEN, RUDOLF A. *Is the Grain Trade Changing?* Chicago Merchants' Trust Co., 1924. 24 pages.
A study of trends in the American grain trade. 1. Changes in relation of grain markets. 2. Changes in financing methods. 3. Government supervision of grain exchanges. 4. Co-operative grain marketing.
- EDGAR, WILLIAM C. "The Grain Trade Fifty Years Ago." *Northwestern Miller*, January 9, 1924, CXXXVII, 133-134.
- FAY, C. R. "The London Corn Market at the Beginning of the Nineteenth Century." *American Economic Review*, March 1925, XV, 69-76.
Appearance of jobbers and speculation.
- "The Sale of Corn in the Nineteenth Century: Measure versus Weight." *Economic Journal*, June 1924, XXIV, 211-218.
- FOSSUM, PAUL R. *The Agrarian Movement in North Dakota*. (Johns Hopkins University Studies in Historical and Political Science, Series XLIII, No. 1.) Baltimore, 1925. 180 pages.
Largely a history of the development of North Dakota's grain trade and its attendant problems.

- FURGIER, H. "Les magasins à blé coopératifs dans l'Afrique de Nord." *Revue Agricole de l'Afrique du Nord*, Year 21, No. 183, pp. 67-74. Algiers, 1923.
- Abstracted in *International Review Science and Practice of Agriculture*, July-September 1923, n.s. I, 764-766.
- Describes the construction of elevators on the American model.
- GALPIN, W. FREEMAN. *The Grain Supply of England During the Napoleonic Period*. New York, Macmillan, 1925. 305 pages.
- A thesis concerned with the period from the fall of 1799 through 1813 and confined to the import trade.
- GODFREY, ERNEST H. "Growth and Organisation of the Canadian Grain Trade." *Journal Royal Agricultural Society*, 1924, LXXXV, 1-32.
- GRAIN DEALERS NATIONAL ASSOCIATION. *The Grain Trade: A Brief presented to the President's Agricultural Commission*. Toledo, January 22, 1925. 32 pages.
- Thirty government investigations 1890-1924; facts discovered; changes made; economics of present system; co-operative movement; the issue of self-help versus state aid. Bibliography, pp. 2-7.
- HUEBNER, G. G. *Agricultural Commerce: The Organization of American Commerce in Agricultural Commodities*. New York, Appleton (new edition revised and enlarged), 1924.
- Grain markets, pp. 33-126.
- IOWA AGRICULTURAL EXPERIMENT STATION, Ames. "Fifty Years of Farmers' Elevators in Iowa," by E. G. NOURSE. *Bulletin No. 211*, 1923. 37 pages.
- KENKEL, J. B. *A Study in Grain Marketing at Country Points in the North Central States*. Washington, Catholic University of America, 1922. 154 pages.
- Character and costs, historical survey, structure and functions, agencies promoting, factors of success.
- KUHLMANN, CHARLES B. "The Influence of the Minneapolis Flour Mills upon the Economic Development of Minnesota and the Northwest." *Minnesota History*, June 1925, VI, 141-154.
- McFALL, R. J. "The Movement of Canadian Wheat." *Northwestern Miller*, June 14, 1922, CXXX, 1156, 1168-70.
- MARCILLAC, M. DE. "L'Organisation du marché du blé en Tchécoslovaque et en France." *Comptes Rendus, l'Académie d'Agriculture de France*, July 2, 1924, X, 687-696.
- MARYLAND AGRICULTURAL EXTENSION SERVICE. "Marketing of Wheat in Maryland," by S. H. DE VAULT. *Bulletin No. 30*, 1923. 46 pages.
- MENDL, ING. WLADIMIR V. "Braila as a Wheat Center." *Northwestern Miller*, April 15, 1925, CXLII, 221-222.
- MICHENER, CARROLL K. "The Marketing of Argentina's Wheat." *Northwestern Miller*, December 6, 1922, CXXXII, 1085, 1099-1102.
- MINNEAPOLIS CHAMBER OF COMMERCE. *Pamphlets with Reference to Grain Marketing: No. 1. Modern Grain Exchanges; No. 2. Handling the Farmers' Grain; No. 3. Question Book; No. 4. Orderly Marketing. Questions and Answers Regarding Proposed Grain Marketing Pooling Plans, etc.* Minneapolis, Publicity Committee, Chamber of Commerce, 1922.
- PAYEN, EDOUARD. "La régime du blé." *L'Économiste Français*, February 7, 1925, LIII, 163-165.
- Review of recent, war-time, and eighteenth century regulations of the wheat trade.
- SCHMIDT, ERNST WILHELM. *Die agrarische Export-wirtschaft Argentinien. Ihre Entwicklung und Bedeutung*. (Probleme der Weltwirtschaft, Schriften des Instituts für Seeverkehr und Weltwirtschaft an der Universität Kiel, 33.) Jena, 1920. 296 pages.
- SCHMIDT, LOUIS B., and ROSS, E. D. *Readings in the Economic History of American Agriculture*. New York, Macmillan, 1925.
- "The Internal Grain Trade," "Wheat vs. Cotton," "The Westward Movement of Wheat," by L. B. Schmidt, pp. 197-209; 304-321; 370-380. Sections xxvi and xxvii, "Agricultural Changes during the War" and "Agriculture in Reconstruction," pp. 497-556.
- STEWART, JAMES. "Marketing Wheat." *Annals American Academy Political and Social Science*, May 1923, CVII, 187-192.
- Applies to Canada.

THORPE, S. K. *Grain Trade Documents*. Liverpool, Northern Publishing Co., 1924. 170 pages.

Explanation of terms used, shipping, chartering vessels, insurance, contracts, arbitration, etc.

U.S. DEPARTMENT OF COMMERCE. "Marketing Canadian Wheat," by THEO. D. HAMMATT. *Trade Information Bulletin No. 251*, August 1924.

No. 8 of the series *World Trade in Agricultural Products*.

U.S. FEDERAL TRADE COMMISSION. *Country Grain Marketing*. Washington, 1920. 350 pages.

Volume I of the invaluable *Report on the Grain Trade*.

——— *Terminal Grain Markets and Exchanges*. Washington, 1920. 333 pages.

Volume II of the *Report on the Grain Trade*.

——— *Letter from the Chairman, transmitting, pursuant to law, a preliminary report on the profits of country and terminal elevators*. 67th Congress, 1st Session, Senate Document No. 40, 1921. 12 pages.

——— *Terminal Grain Marketing*. Washington, 1922. 332 pages.

Volume III of the *Report on the Grain Trade*.

——— *Middlemen's Profits and Margins*. Washington, 1924. 215 pages.

Volume IV of the *Report on the Grain Trade*.

WOOD, LOUIS AUBREY. *A History of Farmers' Movements in Canada*. Toronto, Ryerson, 1924.

Part III, the rise of grain growers' movements on the prairies, 1898-1912, pp. 159-224. The great co-operative enterprises, pp. 311-328.

12. WHEAT GRADES AND GRADING

FOOD RESEARCH INSTITUTE. "Protein Content: A Neglected Factor in Wheat Grades," by CARL L. ALSBERG. *Wheat Studies*, February 1926, II, 163-176.

The official wheat standards of the United States for the bread wheats are losing much of their value because they do not directly consider protein content.

MACMILLAN, JOHN H. "Federal Spring Wheat Grades—a Discussion of Their Shortcomings and Suggested Remedies." *Cereal Chemistry*, 1924, I, 68.

MCGIBBON, D. A. "Grain Standardization." *American Economic Review*, June 1922, XII, 272-273.

Failure of standards to account for superiority of grain from certain districts.

MARYLAND AGRICULTURAL EXPERIMENT STATION, College Park. "Garlic and Other Factors Influencing Grades of Wheat," by J. E. METZGER. *Bulletin No. 246*, 1922. 18 pages.

U.S. CONGRESS [Grades for Spring Wheat.]

H.R. 7401, "prescribing standards and grades for spring wheat." 67th Congress, 1st Session, 1921.

Hearings Before the House Committee on Agriculture on H.R. 7401. Serial J. Febru-

ary 28, March 1, June 5 (supplemental), June 27 to July 2 (supplemental), 1922. 357 pages.

House Report No. 357, August 19, 1921. 14 pages.

U.S. DEPARTMENT OF AGRICULTURE. "Dockage under the Federal Wheat Grades," by RALPH H. BROWN. *Farmers' Bulletin No. 1118*, March 1920. 25 pages.

——— "Foreign Material in Spring Wheat: How to Remove it on the Farm and at the Country Elevator," by R. H. BLACK and C. R. HALLER. *Farmers' Bulletin No. 1287*, December 1922. 21 pages.

U.S. DEPARTMENT OF AGRICULTURE, BUREAU OF AGRICULTURAL ECONOMICS. *Handbook of Official Grain Standards for Wheat, Shelled Corn, Oats, and Rye*, compiled by E. G. BOERNER. Washington, 1924. 74 pages.

U.S. SUPREME COURT. [Decisions.]

Lenke vs. Farmers' Grain Company, 258 U.S. 50.

Shafer vs. Farmers' Grain Company, 268 U.S. 189.

Holding grain grading act of North Dakota unconstitutional.

13. FUTURE TRADING, HEDGING, SPECULATION

- ALLENSWORTH, A. P. "Argentine Options." *Northwestern Miller*, June 3, 1925. CXLII, 953-954.
House Report No. 345. August 15, 1921. 11 pages.
House Report No. 362. August 20, 1921. 11 pages.
- BOYLE, JAMES E. *Speculation and the Chicago Board of Trade*. New York, Macmillan, 1920.
 "This book is really a 'report' on the Chicago Board of Trade, and particularly on the two big problems involved there, namely, future trading and speculation." The report is very favorable to the Board of Trade.
- CAREY, FRANK L. "The Future of the Grain Exchange." *Northwestern Miller*, September 10, 1924, CXXXIX, 1028.
 ——— [Future Trading.]
Hearings before the House Committee on Agriculture. 67th Congress, 1st Session, 1921. Series C. January, February, 1921. 1070 pages. April 25 to May 2, 1921. 357 pages.
- DIES, EDWARD JEROME. *The Wheat Pit*. Chicago, Argyle Press, 1925.
 ——— [Grain Futures Act. Capper-Tincher Bill.]
H.R. 11843, "for the prevention and removal of obstructions and burdens upon interstate commerce in grain, by regulating transactions on grain future exchanges, and for other purposes." 67th Congress, 2d Session, 1922.
Hearings before the House Committee on Agriculture. Series CC. June 7-12, 1922. 84 pages.
Hearings before the Senate Committee on Agriculture and Forestry. July 11-13, 1922. 82 pages.
House Report No. 1095. June 13, 1922. 12 pages.
Senate Report No. 871. August 23, 1922. 8 pages.
- DUVEL, J. W. T. "A Lucid Excursion into the Mysteries of Puts and Calls." *Northwestern Miller*, February 10, 1926, CXLV, 577-578.
- HARDY, C. O., and LYON, L. S. "Theory of Hedging." *Journal Political Economy*, April 1923, XXXI, 272-287.
- HOFFMAN, GEORGE WRIGHT. *Hedging by Dealing in Grain Futures*. Philadelphia, 1925. 141 pages.
 University of Pennsylvania thesis.
- MONICAULT, P. DE. "Speculation in Wheat." *Journal d'Agriculture Pratique*, 1921, n.s. XXXV, 308-310.
 Translated title. A system of granaries controlled by farmers' organizations is urged to combat speculation in France.
- SMITH, ROLLIN E. *Speculation and the Price of Wheat*. 1923. 63 pages.
 In defense of the Grain Futures Act and its check on large speculators by the requirement of reports from commission houses.
- U.S. CONGRESS. [Capper-Tincher Bill.]
H.R. 5676, "taxing contracts for the sale of grain for future delivery, and options for such contracts, and providing for the regulation of boards of trade, and for other purposes." 67th Congress, 1st Session, 1921.
Hearings before the Senate Committee on Agriculture and Forestry on H.R. 5676. 1921. 485 pages.
House Report No. 44. May 4, 1921. 2 pages.
Senate Report No. 212. July 8, 1921. 5 pages.
- U.S. DEPARTMENT OF AGRICULTURE. *Report of the Grain Futures Administration*. Washington, 1924. 76 pages.
 ——— "Grain Futures: Daily Data, Volume of Trading on the Chicago Board of Trade January 1, 1921, to May 31, 1924," by J. W. T. DUVEL and CARL E. PARRY. *Statistical Bulletin No. 6*, October 1924.
- U.S. FEDERAL TRADE COMMISSION. *Future Trading Operations in Grain*. Washington, 1920. 347 pages.
 Volume V of the *Report on the Grain Trade*.
- U.S. GRAIN FUTURES ADMINISTRATION. *Trading in Grain Futures*. "Communication from the Secretary of Agriculture transmitting in response to Senate Resolution No. 9, agreed to January 8, 1924, the Report of the Grain Futures Administration under the Grain Futures Act, September 21, 1922, in respect to Trading in Grain Futures on the Chicago

Board of Trade." 68th Congress, 1st Session, *Senate Document No. 110*, April 24, 1924.

——— *Fluctuations in Wheat Futures*. "Letter from the Secretary of Agriculture transmitting, in response to Senate Resolution No. 222, of June 9, 1926, a report of the Grain Futures Administration relative to the extreme fluctuation in the price of wheat futures during the early part of 1925." 69th Congress, 1st Session, *Senate Document No. 135*, June 28, 1926.

U.S. SUPREME COURT. [Decisions.]

Hill *vs.* Wallace, 259 U.S. 44.

Trusler *vs.* Crooks, 269 U.S. 475.

Chicago Board of Trade *vs.* Olsen, 262 U.S. 1.

The first two decisions listed held the Future Trading Act of August 24, 1921, to be unconstitutional. The third held valid the Act of September 21, 1922.

VIRTUE, G. O. "Legislation for the Farmers: Packers and Grain Exchanges." *Quarterly Journal of Economics*, August 1923, XXXVII, 693-704.

WINNIPEG GRAIN EXCHANGE. *Report*. Winnipeg, September 10, 1921. 45 pages.

Statement submitted to the Royal Grain Inquiry Commission in response to a questionnaire received from the Commission May 16, 1921.

14. CO-OPERATIVE MARKETING

AMERICAN INSTITUTE OF CO-OPERATION. *American Co-operation*. 2 vols. Washington, 1925.

Papers and discussions at the first summer session of the Institute. Volume II contains a section on Grain Marketing.

CAMP, WILLIAM R. "Agricultural Pools in Relation to Regulating the Movement and Prices of Commodities." *Proceedings Academy of Political Science*, January 1926, XI, 183-236 (735-788).

CANADIAN CO-OPERATIVE WHEAT PRODUCERS, LTD. *The Canadian Wheat Pool Year Book 1925*. Winnipeg, Department of Publicity and Statistics, 1926. 108 pages.

Stories of the various pools. Appendices give the forms of contracts and agreements and also financial statements.

——— *Proceedings of the International Wheat Pool Conference at St. Paul, Minnesota, February 16th, 17th, 18th, 1926*. Winnipeg, Department of Publicity and Statistics, 1926. 123 pages.

CHENERY, WILLIAM L. "Farmers in the Pit." *Atlantic*, March 1925, CXXXV, 381-387.

Story of the formation of the Grain Marketing Company, farmers' co-operative society.

FAY, C. R. "Agricultural Co-operation in the Canadian West." *Annals American Academy Political and Social Science*, May 1923, CVII, 238-243.

——— "The Canadian Wheat Pools." *Economic Journal*, March 1925, XXXV, 26-29.

——— "The Co-operative Marketing of Wheat." *Journal Canadian Bankers' Association*, January 1925, XXXII, 220-224.

FOOD RESEARCH INSTITUTE. "A National Wheat-Growers' Co-operative: Its Problems, Opportunities, and Limitations," by ALONZO E. TAYLOR. *Wheat Studies*, January 1926, II, 101-162.

GREAT BRITAIN: MINISTRY OF AGRICULTURE AND FISHERIES. "Co-operative Marketing of Agricultural Produce in England and Wales (a Survey of the Present Position)." *Economic Series No. 1*, 1925. 195 pages.

——— "Report upon Large-Scale Co-operative Marketing in the United States of America," by R. B. FORRESTER. *Economic Series No. 4*, 1925. 192 pages.

GRAIN DEALERS NATIONAL ASSOCIATION. *Co-operation in the United States*. Toledo, 1925. 126 pages.

"Showing the advantages and limitations of co-operation." *Grain*, pp. 63-70.

KANSAS AGRICULTURAL EXPERIMENT STATION. "Co-operation Applied to Marketing by Kansas Farmers," by THEODORE MACKLIN. *Bulletin No. 224*, 1920. 61 pages.

KANSAS STATE BOARD OF AGRICULTURE. *Co-operation in Marketing Kansas Wheat*. Topeka, June 1922. 133 pages.

MACKIN, ROBERT L. *The South Dakota Wheat Growers' Association*. South Dakota Wheat Growers' Association, March 1, 1926. 31 pages.

MACKINTOSH, W. A. *Agricultural Co-operation in Western Canada*. Queen's University, Kingston, Ontario, 1924.

Deals chiefly with wheat co-operatives.

MINNESOTA AGRICULTURAL EXPERIMENT STATION. "Farmers' Co-operation in Minnesota 1917-1922," by H. BRUCE PRICE. *Bulletin No. 202*, 1923. 8 pages.

——— "Co-operative Central Marketing Organization," by JOHN D. BLACK and H. BRUCE PRICE. *Bulletin No. 211*, 1924. 112 pages.

NEBRASKA AGRICULTURAL EXTENSION SERVICE, Lincoln. "Co-operative Elevators," by H. C. FILLEY. *Bulletin No. 64*, 1921. 19 pages.

"This bulletin details the essentials of organization and management of co-operative elevator companies, also the approved methods of organization. The growth of the movement in Nebraska is described and the text of the state law is given as amended in 1921."

QUEEN'S UNIVERSITY, DEPARTMENTS OF HISTORY AND POLITICAL AND ECONOMIC SCIENCE, Kingston, Ontario. "The Canadian Wheat Pools," by W. A. MACKINTOSH. *Bulletin No. 51*, November 1925.

SAGNIER, HENRI. "La co-operation dans la vente du blé." *Comptes Rendus, l'Académie d'Agriculture de France*, October 19, 1921, VII, 692-696.

SASKATCHEWAN CO-OPERATIVE ELEVATOR Co., LTD. *Practical Co-operation in Grain Marketing*. 10 pages.

Reprinted from the *Saskatchewan Co-operative News*, 1922.

U.S. CONGRESS. [Co-operative Marketing of Agricultural Commodities.]

S. 3327, "to provide for the co-operative marketing of agricultural commodities." 68th Congress, 1st Session, 1924.

Senate Report No. 776. June 6, 1924. 2 pages.

——— [Curtis-Aswell Co-operative Marketing Bill.]

H.R. 8108, "to place the agricultural industry on a sound commercial basis, to encourage agricultural co-operative associations, and for other purposes." 68th Congress, 1st Session, 1924.

Hearings before the House Committee on Agriculture on H.R. 8108. Serial W. April 1, 1924. 31 pages.

——— [Federal Co-operative Marketing Board.]

H.R. 12348, S. 4202, S. 4300, "to create a Federal co-operative marketing board, to provide for the registration of co-operative marketing, clearing house, and terminal market organizations, and for other purposes." 68th Congress, 2d Session, 1925.

Hearings before the Senate Committee on Agriculture and Forestry on S. 4202 and S. 4300. February 10-20, 1925. 279 pages.

Hearings before the Senate Committee on Agriculture and Forestry on H.R. 12348. February 28, 1925. 45 pages.

Senate Report No. 1207. February 17, 1925. 13 pages.

House Report No. 1517. February 18, 1925. 12 pages.

U.S. DEPARTMENT OF AGRICULTURE. "Organization of Co-operative Grain Elevator Companies," by J. M. MEHL and O. B. JESNESS. *Bulletin No. 860*, 1920.

"This bulletin is primarily intended as a plan of organization and method of procedure for persons required to assist in the formation of co-operative grain companies."

——— "Co-operative Grain Marketing: A Comparative Study of Methods in the United States and in Canada," by J. M. MEHL. *Bulletin No. 937*, April 1921. 21 pages.

U.S. DEPARTMENT OF COMMERCE, BUREAU OF FOREIGN AND DOMESTIC COMMERCE. "The Russian Co-operative Movement," by FREDERIC E. LEE. *Miscellaneous Series No. 101*, 1920.

For grain co-operatives see pp. 21-24.

U.S. GRAIN GROWERS, INC. *Grain Marketing Plan of the Committee of Seventeen*. Department of Information, Chicago, 1921. 56 pages.

15. TRANSPORTATION FACILITIES, RATES, AND COSTS

In addition to the generalized discussions of railway rates listed below, much useful material is available in the reports of cases on specific rates brought before and decided by the Interstate Commerce Commission. A detailed list of these cases has been omitted in view of their easy accessibility in the Commission's *Reports* and *Dockets*.

- BELLOWS, HENRY A. "Seaboard Wheat and Flour Loading." *Northwestern Miller*, June 16, 1920, CXXII, 1249-1250, 1266-1268.
- "A Southern Gateway for Export Flour." *Ibid.*, March 2, 1921, CXXV, 997-998, 1009-1011.
New Orleans' port facilities.
- BONNER, WILBERT L. "The Grain Trade of Rosario, Argentina." *Bulletin Pan-American Union*, September 1923, LVII, 254-261.
- BROEKMAN, L. F. "Development of the Port of London." *Northwestern Miller*, January 3, 1923, CXXXIII, 50-52.
- BUREAU OF RAILWAY ECONOMICS, Washington, D.C. *Commodity Prices in Their Relation to Transportation Costs: Bulletin No. 1, Wheat, Corn, and Oats*. Washington, January 1924. 7 pages.
Tables and charts of grain prices and freight rates, August 17 to December 28, 1923.
- *Commodity Prices in Their Relation to Transportation Costs: Bulletin No. 7, Wheat*. Washington, February 1925. 12 pages.
Fluctuations in farm prices of wheat although freight rates were practically stationary. Tables of wheat prices and freight rates, August 1923 to January 1925.
- CANADA: ROYAL COMMISSION. *Lake Grain Rates Report*. Ottawa, 1923. 53 pages.
Investigation of rates on Canadian and American vessels, increase in 1922 rates, controlling of rates, etc.
- CHICANOT, E. L. "The Growing Port of Vancouver." *Northwestern Miller*, April 4, 1923, CXXXIV, 39-40.
- "Canada's Growing Elevator Capacity." *Ibid.*, May 16, 1923, CXXXIV, 701, 717-720.
- "Moving Western Canada's Wheat Crop." *Ibid.*, December 19, 1923, CXXXVI, 1191-1192, 1208-1209.
- "Montreal's Record in 1923." *Ibid.*, February 13, 1924, CXXXVII, 661-662, 679.
- DURAND, LOYAL, JR. "The Grain Trade of the Great Lakes." *Journal of Geography*, October 1925, XXIV.
- FAIR, L. M. *The Transportation of Canadian Wheat to the Sea*. (McGill University Economic Studies: National Problems of Canada, No. 1.) Toronto, Macmillan, 1925. 76 pages.
The wheat crop of Canada, its possibilities, collection, storage, and handling; development of transportation routes, present routes and rates, proposed routes.
- FERRIN, A. W. "Bulk Handling of Wheat in Australia." *Northwestern Miller*, July 18, 1923, CXXXV, 243-244.
- GEIGER, CHARLES W. "Bulk Handling of Grain in California." *Railway Review*, August 13, 1921, LXIX, 205-208.
- GREAT BRITAIN: IMPERIAL SHIPPING COMMITTEE. *Interim Report on Rates of Freight on Canadian Flour in the North Atlantic*. Cmd. 2248. London, 1924. 16 pages.
- HARTSHORNE, RICHARD. "The Significance of Lake Transportation to the Grain Traffic of Chicago." *Economic Geography*, April 1926, II, 274-291.
- HIBBARD, B. H. "The Effect of Freight Rates on Agricultural Geography." *Journal of Farm Economics*, July 1922, IV, 129-136.
- JONES, CLARENCE F. "The Grain Trade of Montreal." *Economic Geography*, January 1925, I, 53-72.
Montreal's importance as a grain shipping port, facilities, methods of handling, cost of transfer, influence of available ocean tonnage, ocean freight rates, and insurance rates.
- KRAMER, R. L. *The History of Export and Import Railroad Rates and their Effect upon the Foreign Trade of the United States*. Philadelphia, Westbrook, 1923.

PHILIP, WILLIAM LITTLEJOHN. *Grain Elevators for Union of South Africa: A Report*. Pretoria, Government Printing Office, 1920. 71 pages.

RITTER, ALFRED H. *World Wheat Markets: Influence of Transportation Costs on the Wheat Trade of the United States*. Great Lakes-St. Lawrence Tidewater Association, 1924 (?). 24 pages.

Movement of export wheat in the United States, cost of moving wheat to seaboard, ocean rates from United States, comparisons. Appendix, primary markets, rates to interior and to ports.

U.S. DEPARTMENT OF AGRICULTURE. "The Bulk Handling of Grain, with Special Reference to the Pacific Coast States," by E. A. BATES and A. L. RUSH. *Farmers' Bulletin No. 1290*, October 1922. 22 pages.

U.S. DEPARTMENT OF COMMERCE. "Transportation in Relation to the Export Trade in Agricultural Products," by ROLAND M. KRAMER. *Trade Information Bulletin No. 216*, April 1924.

No. 4 of the series *World Trade in Agricultural Products*.

16. INTERNATIONAL TRADE

See also the references of section 11 above, "The Grain Trade: Historical and Descriptive."

ARGENTINA: MINISTERIO DE AGRICULTURA DE LA NACIÓN. "Internacionalización del comercio de cereales," by GUSTAVO DE MARNEFFE. *Boletín*, XXVI, 88-92, 1921.

Outlines a proposal for pooling the world's stocks of wheat and allotting the surplus to the importing countries.

ARNER, G. B. L. "The Market for American Agricultural Products in the United Kingdom." *Journal of Farm Economics*, July 1924, VI, 283-294.

BARNES, JULIUS H. "The Probable Future Development of Grain Trade of the United States." *Annals American Academy Political and Social Science*, March 1921, XCIV, 61-64.

Disadvantages of high-cost production and long hauls to the ocean have to be overcome.

BELLOWS, H. A. "Canada's Growing Flour Export Trade." *Northwestern Miller*, June 13, 1923, CXXXIV, 1155, 1181-1182.

[CANADA.] *Reports on Complaints Received Respecting the Condition of Grain Shipped from Canadian Ports and from United States Ports in Bond to Great Britain*, by LESLIE H. BOYDS and GEORGE SERLS. Ottawa, Sessional Paper No. 147, 14 Geo. V, A. 1924. 19 pages.

CANADA: SENATE. *Report of the Special Committee appointed to Inquire into Conditions Responsible for the Routing of a Large Portion of Canadian Export Trade via American instead of Canadian Ports*. 1st Session,

14th Parliament, 12-13 George V. Ottawa, 1922. 187 pages.

The evidence is also included.

FOOD RESEARCH INSTITUTE. "The Dispensability of a Wheat Surplus in the United States," by ALONZO E. TAYLOR. *Wheat Studies*, March 1925, I, 121-142.

A surplus of wheat for export is not necessarily advantageous to the United States.

—"European Wheat Production as Affecting Import Requirements," by W. BLAIR STEWART. *Ibid.*, June 1925, I, 209-215.

Since consumption varies with production of wheat in importing countries, estimates of import requirements have erred considerably.

—"Price Spreads and Shipment Costs in the Wheat Export Trade of Canada," by KATHERINE SNODGRASS. *Ibid.*, March 1926, II, 177-202.

Price spreads in the Winnipeg-Liverpool trade tend to correspond to shipment costs by the cheapest available route.

HAMMATT, THEODORE D. "Can America Export Wheat?" *Foreign Affairs*, September 1924, III, 124-134.

Increasing production of wheat for export by the United States not likely to prove profitable.

KANSAS STATE BOARD OF AGRICULTURE. "The Future of Wheat Export from the United States," by ALONZO E. TAYLOR. *Quarterly Report*, March 1924.

Reprinted by the Food Research Institute.

MAURETTE, F. "Les marchés du blé." *Revue des Études Coopératives*, July-September 1923, 171-182.

An analysis of the world's wheat markets to determine the future sources of European imports.

NATIONAL BANK OF COMMERCE IN NEW YORK. "International Trade in Wheat," by STEVENSON E. WARD. *Commerce Monthly*, February 1921, II, No. 10, pp. 3-13.

——— "International Trade in Wheat Flour." *Ibid.*, January 1924, V, No. 9, pp. 21-30.

——— "United States Exports of Wheat Flour." *Ibid.*, November 1924, VI, No. 7, pp. 22-23.

NATIONAL WHEAT CONFERENCE. "The European Situation as Affecting the Demand for Wheat," by ALONZO E. TAYLOR. *Report of Proceedings*, 1923.

Reprinted by the Food Research Institute.

NOURSE, EDWIN G. *American Agriculture and the European Market*. (Institute of Economics: Investigations in International Economic Reconstruction.) New York, McGraw-Hill, 1924. 333 pages.

Part I: How the present situation developed. Part II: The problem in 1924 and thereafter. Appendices on United States agricultural exports and imports. Tables and charts.

PILLMAN, J. C. "Fifty Years of British Flour Importing." *Northwestern Miller, Anniversary Number*, December 1923, pp. 40-42.

RITTER, KURT. "Der Getreideverkehr der Welt vor und nach dem Kriege." *Berichte über Landwirtschaft*, 1925, n.f. II, 369-396, III, 1-78, 370-460, 600-667.

——— "Russlands Weltwirtschaftliche Stellung." *Landmaschinen Markt*, May 9, 1925, No. 37.

Wheat (and other grains) imports and exports compared for pre-war and post-war periods.

U.S. DEPARTMENT OF COMMERCE. "Distribution of Agricultural Exports from the United States," by H. M. STRONG. *Trade Information Bulletin No. 177*, January 1924.

——— "Methods of Merchandising American Wheat in the Export Trade," by THEO. D.

HAMMATT. *Ibid.*, Nos. 183, 185, February 1924.

——— "International Competition in the Production of Wheat for Export." *Ibid.*, No. 210, March 1924.

——— "European Economic Conditions which Affect the Markets for Agricultural Products," by H. B. SMITH. *Ibid.*, No. 235, June 1924.

——— "Financing Agricultural Exports from the United States," by G. W. EDWARDS. *Ibid.*, No. 241, June 1924.

——— "Relation between Value and Volume of Agricultural Exports," by H. M. STRONG. *Ibid.*, No. 271, October 1924.

——— "Seasonal Aspects of Wheat Exporting," by THEO. D. HAMMATT. *Ibid.*, No. 350, 1925.

The preceding seven titles constitute Nos. 1, 2, 3, 6, 7, 9, and 15 of the series *Survey of World Trade in Agricultural Products*.

——— "International Trade in Wheat and Wheat Flour," by J. A. LE CLERC. *Trade Promotion Series No. 10*, 1925. 290 pages.

U.S. FEDERAL TRADE COMMISSION. *Report on Methods and Operations of Grain Exporters*. 2 vols. Washington, May 1922, June 1923.

Vol. I: *Interrelations and Profits*, 123 pages. Vol. II: *Speculation, Competition, and Prices*, 264 pages.

U.S. TARIFF COMMISSION. *Supplemental Information concerning the Wheat and Flour Trade of the United States*. Washington, 1921.

For the Committee on Finance of the U.S. Senate. Previous report, *Tariff Information Series No. 20*, 1920.

VAN HISSENHOVEN, PAUL. *Le commerce international des grains*. Bruxelles, 1923. 609 pages.

Second edition of *Les grains et le marché d'Anvers*, 1910. Part 1, les grains; 2, le marché d'Anvers; 3, les marchés étrangers.

VENN, J. A. *Foundations of Agricultural Economics*. Cambridge University Press, 1923.

The wheat supply of the United Kingdom, pp. 306-341.

IV. UTILIZATION

17. DISPOSITION OF WHEAT SUPPLIES

FOOD RESEARCH INSTITUTE. "The Disposition of American Wheat Supplies: A Critical Appraisal of Statistical Procedures," by ALONZO E. TAYLOR. *Wheat Studies*, August 1925, I, 289-326.

Advances "recommendations for the amplification and perfection of statistical procedures designed to elucidate the disappearance of wheat and the appearance of flour" in the United States.

——— "The Decline in Per Capita Consumption of Flour in the United States," by HOLBROOK WORKING. *Ibid.*, July 1926, II, 265-292.

Examines statistics of per capita consumption of important foods in the United States. Concludes that the decreased consumption of flour per capita has resulted chiefly from substitution of sugar for cereals, decreased food requirements per capita, and, in recent years, a more expensive diet made possible by increased prosperity.

U.S. DEPARTMENT OF AGRICULTURE. "Wheat: Supply, Distribution, and Per Capita Disappearance in the United States, average 1909-1913, annual 1921-1925." *Crops and Markets, Monthly Supplement*, August 1925, II, 275.

18. FLOUR MILLING AND CONSUMPTION

The following section includes only articles of a general nature. Readers interested in milling technology may supplement these titles by reference to the bibliographies listed in section 1 above.

AMOS, P. A. *Processes of Flour Manufacture*. London, Longmans, 1925. 310 pages.

New edition (first edition 1910, revised 1915) revised by Jas. Grant. Bibliography, pp. 301-302.

ASHBY, A. W. "The Miller's Margin: A Study of Prices of Wheat, Flour and Offals." *Journal Royal Agricultural Society*, 1924, LXXXV, 109-121.

BAILEY, C. H. *The Chemistry of Wheat Flour*. New York, Chemical Catalog Co., 1925. 324 pages.

BELLOWS, H. A. "Hungarian Milling and World Politics." *Northwestern Miller*, November 8, 1922, CXXXII, 623-624, 639-640.

——— "The Milling Industry in the Year 1920." *Ibid.*, January 5, 1921, CXXV, 43-44, 56-58.

——— *A Short History of Flour Milling*. Minneapolis, Miller Publishing Co., 1924. 47 pages.

Reprinted, with additions, from the anniversary number of the *Northwestern Miller*. Pounding and rubbing, the revolving mill, power milling, the feudal mill, the era of steam, roller milling, milling in America.

BRADFIELD, EDWARD. *Wheat and the Flour Mill: A Handbook for Practical Flour Millers*. Liverpool, Northern Publishing Co., 1920. 163 pages.

"A collection of fugitive papers on the theory and practice of modern flour milling by a former miller."

CANADA: BUREAU OF STATISTICS. *The Flour and Grist Milling Industry in Canada*. Ottawa, 1923.

Part I: Historical sketch. Part II: Statistical statement, production, raw materials, capital, employees, wages, equipment, capacity, etc. Part III: Classified list of mills operating in Canada, and capacity of each. To be an annual publication. Mimeographed reports, 1917, 1918, 1919, and 1920.

DEDRICK, B. W. *Practical Milling*. Chicago, National Miller, 1924.

Comprehensive.

HEYN, EDWARD T. "Flour Milling in Czecho-Slovakia." *Northwestern Miller*, July 16, 1924, CXXXIX, 217-218, 231.

KINSEY, CHARLES. "Flour Milling in South Africa." *Ibid.*, July 9, 1924, CXXXIX, 141.

——— "Modern Flour Milling in Portugal." *Ibid.*, March 4, 1925, CXLI, 865.

- KOZMIN, PETER A. *Flour Milling*. London, Routledge, 1921.
Sub-title: "A theoretical and practical handbook of flour manufacture for millers, millwrights, flour-milling engineers, and others engaged in the flour-milling industry." Translated from the Russian by M. Falkner and Theodor Fjelstrup. Comprehensive.
- KUHLMANN, C. B. *The Development of the Flour Milling Industry*. Boston, Houghton Mifflin, 1925 (?).
Awarded second prize in the Hart, Schaffner & Marx contest for 1924.
- KUNIS, KURT. "Milling and Agriculture in Germany." *Northwestern Miller*, June 20, 1923, CXXXIV, 1255-1256, 1272.
- MICHENER, CARROLL K. "Flour Milling in South America." *Ibid.*, January 18, 1922, CXXIX, 253-254, 267-270.
- "Modern Flour Milling in China." *Ibid.*, March 21, 1923, CXXXIII, 1241-1242, 1254, April 11, 1923, CXXXIV, 141-142, 157-159.
- "Modern Flour Milling in Japan." *Ibid.*, May 30, 1923, CXXXIV, 943-944, 960.
- "Bread and Rebellion in Mexico." *Ibid.*, April 9, 1924, CXXXVIII, 150-151.
An account of wheat flour consumption and milling.
- MILLAR, ANDREW. *Wheat and Its Products: A Brief Account of the Principal Cereal: Where It Is Grown, and the Modern Method of Producing Wheaten Flour*. London, Pitman, 1921.
Geography of wheat production. Largely concerned with milling. Chapter on English Corn Exchanges. Elementary.
- MILLER, EDGAR S. *Observations on Milling*. Chicago, National Miller, 1923.
"Work of a practical miller. . . . Language . . . of the operative miller. . . ." Concerned with milling processes.
- NILSSON, ELIS. "Sweden's Flour Milling Industry." *Northwestern Miller*, June 11, 1924, CXXXVIII, 1101-1102.
- PEARSON, E. LEIGH. *Organization and Management in the Flour Milling Industry*. London, Pitman, 1925. 243 pages.
Survey of the industry in England, organization of the factory, staff, mill management, office, laboratory; wheat and flour markets; welfare work, industrial councils, law, etc.
- SHELTON, J. P. "Milling Quality in Wheat." *Australasian Baker and Miller's Journal*, July 31, 1924, February 28, 1925, XXVIII, 90-93, 98-102.
- U.S. FEDERAL TRADE COMMISSION. *Report on Commercial Wheat Flour Milling*. Washington, September 1920. 118 pages.
United States production and consumption; location and competition of the milling industry; costs, prices, and profits.
- *Communication from the Chairman, Transmitting the Report of the Commission on the Wheat Flour Milling Industry*. 68th Congress, 1st Session, Senate Document No. 130, May 1924. 130 pages.
- WOODYARD, G. D. "Wheat Flour Mills of China." *Northwestern Miller*, March 18, 1925, CXLI, 1051-1052, 1064-1065.

V. NATIONAL POLICIES

19. NATIONAL CONTROL OF WHEAT TRADE AND PRICES

The following section includes some references bearing on national policies respecting wheat production, particularly in Italy. For other references dealing incidentally with national policies see also sections 5 and 7 above, "Prices and Price Factors" and "Production and Production Factors."

- AUGÉ-LARIBÉ, MICHEL. *Agriculture During the War*. (Carnegie Endowment for International Peace, Economic and Social History of the World War, French Series.) 1925.
- BOSSI, JEBO. *Verso l'Indipendenza Granaria*. Commissione Technica dell' Agricoltura, [Rome?] 1925. 95 pages.
Policy of making Italy independent of foreign grain.

- CANADA: SELECT STANDING COMMITTEE ON AGRICULTURE AND COLONIZATION. *The Wheat Board Question: Minutes of Evidence of Dr. Robert Magill, Mr. James A. Richardson, Mr. Sanford W. Evans.* Ottawa, 1922.
- Prices on Winnipeg Exchange, gain or loss from holding wheat, freight rates, general considerations of production, prices, etc.
- CANADIAN WHEAT BOARD. *Chairman's Report: Orders-in-Council and Board's Regulations.* Winnipeg, 1921.
- Reviews the activities of the board from its appointment July 31, 1919, pp. 3-23. Orders, etc., pp. 34-207.
- COSTANZO, GIULIO. "The Wheat Campaign in Italy." *International Review of Agricultural Economics*, January-March, 1926, n.s. Year IV, No. 1, pp. 70-86.
- Includes an extensive list of sources.
- [ELDRED, WILFRED.] *The Story of the U.S. Grain Corporation.* U.S. Grain Corporation, April 1920. 19 pages.
- FAY, C. R. "Price Control and the Corn Averages under the Corn Laws." *Economic Journal, Supplement, Economic History Series No. 1*, January 1926, I, 149-154.
- GARRETT, PAUL WILLARD. *Government Control over Prices.* U.S. War Trade Board, 1920.
- Wheat, flour, and bread, pp. 59-78; government regulations relating to wheat millers and dealers, pp. 578-588.
- GREAT BRITAIN: ROYAL COMMISSION ON WHEAT SUPPLIES. *First Report.* Cmd. 1544. London, 1921. 95 pages.
- *Second Report.* Cmd. 2462. London, 1925. 10 pages.
- INTERNATIONAL INSTITUTE OF AGRICULTURE. *Reglementation des prix de vente des produits agricoles: Italy.* Rome, 1923.
- LITMAN, SIMON. *Prices and Price Control in Great Britain and the United States during the World War.* (Carnegie Endowment for International Peace, Preliminary Economic Studies of the War, No. 19.) New York, Oxford University Press, 1920.
- Great Britain, grain, pp. 129-131. United States, wheat, flour, and bread, pp. 219-236.
- LLOYD, E. M. H. *Experiments in State Control at the War Office and the Ministry of Food.* (Carnegie Endowment for International Peace, Economic and Social History of the World War, British Series.) Oxford, Clarendon, 1924. 460 pages.
- *Stabilisation: An Economic Policy for Producers and Consumers.* London, Allen and Unwin, 1923.
- The problem of agriculture, pp. 92-104.
- MERRITT, ALBERT N. *War-Time Control of Distribution of Foods.* New York, Macmillan, 1920.
- "Short history of distribution division of U.S. Food Administration, its personnel and achievements." Wheat conservation programs, etc., pp. 69-87 and elsewhere.
- NIGAY, MARCEL. *La taxation française du blé 1914-1919: ses conséquences.* Roanne, Souchier, 1921. 86 pages.
- Part I: A review of the taxation. Part II: The consequences to producers, consumers, the trade, the country. Doctor's thesis, University of Lyons.
- PICHON, ADOLPHE, and PINOT, P. *Rationing and Food Control.* (Carnegie Endowment for International Peace, Economic and Social History of the World War, French Series.) 1925.
- RICARD, J. H. *Les objectifs d'une politique du blé en France.* Paris, September 1921.
- Embodying an address by a Minister of Agriculture at the Foire National de Semences.
- SAGNIER, HENRI. "La 'Bataille du Blé' en Italie." *Comptes Rendus, l'Académie d'Agriculture en France*, 21 October 1925, XI, 786-789.
- SERRÉ, PAUL. "Recoltes de céréales et fixation du prix du blé en Nouvelle-Zélande." *Comptes Rendus, l'Académie d'Agriculture de France*, May 2, 1923, IX, 427-430.
- SOUTH DAKOTA: DEPARTMENT OF MARKETING. *State Ownership of Terminal Elevators, Flour Mills and Packing Plants.* Pierre, Hipple, 1920. 24 pages.
- Recommends federal rather than state action.
- STEWART, JAMES, and RIDDELL, F. W. *Report to the Government of Saskatchewan on Wheat Marketing.* Regina, 1921.

Discusses the subject of complete control by the state of the marketing of the western wheat crop and the possibility of establishing a pooling agency based upon legal contract or voluntary effort.

SURFACE, FRANK M. *The Stabilization of the Price of Wheat during the War and Its Effect upon the Returns to the Producer*. U.S. Grain Corporation, May 1925.

Foreword by Herbert Hoover, pp. 7-9. Wheat situation U.S. and Allies at passage of Act, problems, methods, etc., pp. 9-27. Appendices on prices of wheat and various relations, pp. 33-100.

U.S. WHEAT DIRECTOR. *Conference of Grain and Flour Trade Representatives with the United States Wheat Director, Julius H. Barnes, Chicago, May 7, 1920*. 96 pages.

20. TARIFFS AND TARIFF POLICY

LIESSE, ANDRÉ. "Sur la 'Politique du Blé.'" *L'Économiste Français*, March 31, 1923, LI, 385-387.

Temporarily import duties should be lowered; production should be increased to make the country self-sufficient.

RITTER, KURT. *Die Notwendigkeit von Agrarzöllen in neuer Beweisführung*. (Agrarpolitische Aufsätze und Vorträge, Viertes Heft.) Berlin, Parey, 1925. 72 pages.

Chapter 2 on the provisioning of import countries and the agricultural world market and chapter 3 on the superiority of extensive cultivation deal with the wheat situation in import and export countries. Tabular material largely from *Wheat Studies*.

——— *Die deutschen Agrarzölle*. (Schriften des Vereins für Sozialpolitik, VII.) Duncker u. Humblot, Munich, 1925 (?). 44 pages.

Other articles by Dr. Ritter on the German agrarian tariff appeared at irregular intervals in *Deutsche Tageszeitung* between November 1924 and July 1925.

U.S. DEPARTMENT OF AGRICULTURE, BUREAU OF AGRICULTURAL ECONOMICS. "The German Tariff and the Drawback System." *Foreign Crops and Markets*, March 29, 1926, XII, 401-403.

——— "A Review of the German Grain Import Certificate System." *Ibid.*, June 28, 1926, XII, 881-890.

U.S. DEPARTMENT OF COMMERCE. "Foreign Import Duties on Wheat, Wheat Flour, Meat and Meat Products," by FRANK W. FELTER and HENRY CHALMERS. *Trade Information Bulletin No. 233*, June 1924.

No. 5 of the series *World Trade in Agricultural Products*.

U.S. TARIFF COMMISSION. "Agricultural Staples and the Tariff: Production, Trade, and Foreign Competition, with Special Reference to Canada." *Tariff Information Series No. 20*, 1920.

For wheat and wheat flour see pp. 11-65.

21. AGRICULTURAL DEPRESSION AND THE WHEAT GROWER

Section 4, "Reviews of Current Developments," and section 5, "Prices and Price Factors," contain references dealing incidentally with agricultural depression.

BRAND, C. J. "Wheat and Prosperity: What Might Be Done to Help the Wheat Situation in the United States." *Economic World*, December 1923, XXVI, 869-872.

Diversification, maladjustment of prices, protective tariff.

COULTER, JOHN LEE. "The Wheat Crisis." *Quarterly Journal University of North Dakota*, November 1923, XIII, 6-23.

Causes, remedies, etc., pp. 3-26. Winter vs. spring wheat, pp. 6-13. Limiting acreage, pp. 14-17. World factors, pp. 17-23.

——— "Extending Farm Diversification Westward and Northwestward into the Great Plains Region and the Spring Wheat

Area." *Annals American Academy Political and Social Science*, January 1925, CXVII, 271-277.

Change necessary from surplus wheat and beef cattle production.

ENFIELD, R. R. *The Agricultural Crisis*. London, Longmans, 1924. 211 pages.

Causes and effects of the crisis. Discussion of stabilization. Tables and charts of percentage increases in prices of wheat and other products 1911-13, 1920-23.

GRIMES, W. E. "Some Phases of the Hard Winter Wheat Grower's Problem in Readjustment." *Journal of Farm Economics*, April 1925, VII, 196-221.

- MEYER, EUGENE, and MONDELL, F. W. *Report to the President on the Wheat Situation*. U.S. War Finance Corporation, November 1923. 14 pages.
- NATIONAL INDUSTRIAL CONFERENCE BOARD. *The Agricultural Problem in the United States*. New York, 1926. 157 pages.
- PEEK, GEORGE N., DAVIS, CHESTER C., and STAMP, SIR JOSIAH C. *The Agricultural Problem of the United States*. January 1926. 20 pages.
Published correspondence on this question.
- ROBERTS, GEORGE E. "The Fall of Agricultural Prices: Its Causes and Effects." *Proceedings Academy Political Science*, January 1923, X, 102-110.
- SERING, MAX. "The International Agrarian Crisis." *Journal of Farm Economics*, October 1924, VI, 313-343.
- U.S. CONGRESS. *Report of the Joint Commission of Agricultural Inquiry*. 67th Congress, 1st Session, *House Report No. 408*, October 15, 1921.
Part 1: The agricultural crisis and its causes, 240 pages. Part 2: Credit, 159 pages. Part 3: Transportation, 686 pages. Part 4: Distribution and marketing, 266 pages.
- [U.S.] NATIONAL AGRICULTURAL CONFERENCE. *Report*. 67th Congress, 2d Session, *House Doc. No. 195*, 1922.
- U.S. WHEAT COUNCIL. *National Wheat Conference, Hotel Sherman, Chicago, June 19-20, 1923*. Chicago, 1923. 104 pages.
This report of proceedings contains the program, the formal addresses, and the resolutions submitted. The addresses printed are as follows:
- Taylor, Alonzo E. "The European Situation as Affecting Demands for Wheat," pp. 21-30.
- White, Edson F. "Wheat and Animal Industry," pp. 30-35.
- Jewett, George C. "Co-operation and Co-ordination," pp. 35-38.
- Stockman, Mrs. Dora. "The Farm Woman's View," pp. 38-40.
- Taggart, Alexander L. "Industries Allied to Wheat," pp. 40-42.
- Legge, Alexander. "The Inequalities of Compensation," pp. 42-45.
- Bradfute, O. E. "The Wheat Problem from the Farm Organization Viewpoint," pp. 45-47.
- Capper, Arthur. "The Public and Agricultural Problems," pp. 47-53.
- Fribley, Mrs. Wilbur E. "Woman a Factor in the Solution of Farm Problems," pp. 53-55.
- Gompers, Samuel. "Farm Buying Power and Wages," pp. 55-57.
- Markham, C. H. "Wheat, the Creator of Traffic," pp. 57-60.
- Copeland, Royal S. "Farm Products in the Nation's Diet," pp. 60-64.
- Hartley, John M. "Methods of Stabilization," pp. 64-67.
- Cowles, Mrs. Delavan. "The Advertising Factor in the Wheat Industry," pp. 67-68.
- *Report of the Wheat Production Committee*. Chicago, 1923.
- *Weekly News Letter*. Washington, 1923-1924.
To promote consumption of wheat and to make wheat growing profitable.
- WALLACE, HENRY C. *The Wheat Situation: A Report to the President*. U.S. Department of Agriculture, 1923. 126 pages.
Reprinted in *Yearbook 1923*.
- WARREN, G. F., and PEARSON, F. A. *The Agricultural Situation: Economic Effects of Fluctuating Prices*. New York, Wiley, 1924.
Wheat, pp. 95-117.

22. RELIEF MEASURES PROPOSED OR ADOPTED

- ANDERSON, BENJAMIN M., JR. "Artificial Prices a Menace to Economic Stability: The Farmer's Problem and the Revised McNary-Haugen Bill." *Chase Economic Bulletin*, May 5, 1924, IV, No. 12, 1-17.
- ENGLUND, ERIC. "Fallacies of a Plan to Fix Prices of Farm Products by Governmental Control of the Exportable Surplus." *Journal of Farm Economics*, April 1923, V, 86-101.
- HIBBARD, BENJAMIN H. "Legislative Interference with Agricultural Prices." *Proceedings Academy of Political Science*, January 1925, XI [184-197], 36-49.
Consideration of the McNary-Haugen Bill and other proposals which would affect wheat and other commodities.
- ITALY: MINISTERO DELL' ECONOMIA NAZIONALE. *Provvedimenti Adottati per l'Inermento della Coltivazione Granaria*. Rome, January 1926. 53 pages.

POPE, JESSE E. "Should the Farmer Have Additional Credits to Enable Him to Hold His Crops for Better Prices?" *Proceedings Academy Political Science*, January 1923, X, 248-264.

U.S. CONGRESS. [Agricultural Export Bill.]

S. 2012, "declaring an emergency in respect of certain agricultural commodities, to promote equality between agricultural commodities and other commodities, and for other purposes." 68th Congress, 1st Session, 1924.

Hearings before the Senate Committee on Agriculture and Forestry. Parts 1 and 2. January 7-26, 1924. 720 pages.

Senate Report No. 193. February 29, March 3, 1924. 7+6 pages.

——— [Anthony Federal Farm Board Bill.]

H.R. 12411, "to establish a Federal Farm Board to aid in the orderly marketing and in the control and disposition of agricultural commodities." 69th Congress, 1st Session, 1926.

——— [Diversification Loan Bill.]

H.R. 4159, "to provide for an emergency commission to promote a permanent system of self-supporting agriculture in regions adversely affected by the stimulation of wheat production during the war and aggravated by many years of small yields and high production costs of wheat." 68th Congress, 1st Session, 1924.

Hearings before the House Committee on Agriculture on H.R. 4159. Serial B. January 11, 12, 14, 15, 1924. 130 pages.

——— [Emergency Commission to Promote a System of Self-Supporting Agriculture.]

S. 1597, "to provide for an emergency commission to promote a permanent system of self-supporting agriculture in regions adversely affected by the stimulation of wheat production during the war, and aggravated by many years of small yield and high production costs of wheat." 68th Congress, 1st Session, 1924.

Hearings before the Senate Committee on Agriculture and Forestry. January 1924. 206 pages.

——— [Farmers' Export Corporation Bill.]

H.R. 12127, H.R. 12390, S. 4206, "to create a farmers' export corporation: to prevent a

recurrence of agricultural depression; to place agricultural commodities upon an equality under the tariff laws with other commodities; to place agriculture upon an equality with industry and labor; and for other purposes." 68th Congress, 2d Session, 1925.

Hearings before the House Committee on Agriculture and the Senate Committee on Agriculture and Forestry on S. 4206 and H.R. 12127. January 21, 1925. 70 pages.

House Report No. 1595. February 26, 1925. 15 pages.

Senate Report No. 1234. February 26, 1925. 15 pages.

——— [Farmers' Export Financing Corporation.]

S. 1915, "to provide for purchase of farm products in United States, to sell same in foreign countries, and for other purposes." 67th Congress, 1st Session, 1921.

Hearings before the Senate Committee on Agriculture and Forestry on S. 1915. June 20-29, 1921. 134 pages.

Senate Report No. 192. June 30, 1921. 2 pages.

House Report No. 340. August 11, 1921. 11 pages.

——— [Interstate Farm Marketing Association.]

S. 2844, "to place the agricultural industry on a sound commercial basis, to encourage agricultural co-operative associations, and for other purposes." 68th Congress, 1st Session, 1924.

Senate Report No. 787. June 6, 1924. 5 pages.

——— [Little Export Bill.]

H.R. 78, "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." 68th Congress, 1st Session, 1924.

Hearings before the House Committee on Agriculture on H.R. 78. Serial P. March 5, 1924. 23 pages.

——— [McNary-Haugen Export Bill.]

H.R. 5563, H.R. 9033, S. 3091, "declaring an emergency in respect to certain agricultural commodities, and to promote equality be-

tween agricultural commodities and other commodities." 68th Congress, 1st Session, 1924.

Hearings before the House Committee on Agriculture on H.R. 5563. Serial E, parts 1-15. January 21 to March 18, 1924. 746 pages.

Hearings before the House Committee on Ways and Means on the Tariff Provisions of H.R. 5563 . . . and report of the U.S. Tariff Commission thereon. April 2, 11, 1924. 42 pages.

House Report No. 631. Parts 1 and 2. May 2, 9, 1924. 109+20 pages.

Senate Report No. 410. April 10, 1924. 6 pages.

U.S. CONGRESS. [Promoting the Sale of Farm Products Abroad.]

H.R. 5568, H.R. 7111, "to promote American agriculture by making more extensively available and by expanding the service now rendered by the Department of Agriculture in gathering and disseminating information regarding agricultural production, competition, and demand in foreign countries in promoting the sale of farm products abroad and in other ways." 68th Congress, 1st Session, 1924.

Hearings before the House Committee on Agriculture on H.R. 5568. Serial H. January 28, 30, 1924. 34 pages.

House Report No. 248. March 1, 1924. 15 pages.

———— [Purchase and Sale of Farm Products.]

H.R. 12966, S. 4050, "to provide for the purchase and sale of farm products." 67th Congress, 2d Session 1922, 4th Session 1923.

Hearings before the Senate Committee on Agriculture and Forestry on S. 4050. 1922. 162 pages.

House Report No. 1667. February 20, 1923. 6 pages.

H.R. 2659, S. 1642, "to provide for the purchase and sale of farm products." 68th Congress, 1st Session, 1924.

Hearings before the House Committee on Agriculture on H.R. 2659. Serial A, parts 1-3. January 8-18, February 15, April 1, 1924. 167 pages.

Hearings before the Senate Committee on Agriculture and Forestry on S. 1642 and S. 2012. Parts 1 and 2. January 7-26, 1924. 720 pages.

Senate Report No. 463. April 24, 1924. 3 pages.

———— [Sale and Export of Agricultural Products.]

S. 3459, "to encourage and promote the sale and export of agricultural products grown within the United States." 68th Congress, 1st Session, 1924.

Senate Report No. 795. June 6, 1924. 1 page.

———— [Stabilization of Wheat Prices.]

S. 4478, "to promote agriculture by stabilizing the price of wheat." 67th Congress, 4th Session, 1923.

Hearings before the Committee on Agriculture and Forestry. February 8, 10, 1923. 18 pages.

Senate Report No. 1141. February 13, 1923. 6 pages.

H.R. 13352, "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." 67th Congress, 4th Session, 1923.

House Report No. 1671. February 20, 1923. 7 pages.

———— [Stabilizing Prices of Farm Products.]

H.R. 7735, "to create the American Stabilizing Commission and to provide for stabilizing the prices of certain farm products." 67th Congress, 2d Session, 1922, 4th Session, 1923.

Hearings before the House Committee on Agriculture. Series O. January 30 to February 17, 1922. 185 pages.

House Report No. 1672. February 20, 1923. 7 pages.

———— [Wheat Prices in 1917, 1918, and 1919.]

H.R. 7062, S. 2480, "to determine and refund the difference between the price received for the wheat of 1917, 1918, and 1919, fixed by the United States of America and its agents, and the price which the wheat of 1917, 1918, and 1919 would have brought unfixed thereby." 68th Congress, 1st Session, 1924.

Hearings before the House Committee on Agriculture on H.R. 7062. Serial O. February 27, 1924. 14 pages.

Hearings before the Senate Committee on Agriculture and Forestry on S. 2480. February 19, 1924. 14 pages.

U.S. CONGRESS: HOUSE COMMITTEE ON AGRICULTURE. *Agricultural Relief. Hearings.* 68th Congress, 2d Session, 1925. Serial CC, Parts 1-6. 607 pages.

U.S. CONGRESS: HOUSE COMMITTEE ON BANKING AND CURRENCY. *Hearing on a Plan to Have the Government Directly Finance the Export of Farm Staples, Surplus Wheat and Wheat Flour . . . to Europe, and Assume All the Responsibility Therefor.* 67th Congress, 1st Session, January 7, 1921. 35 pages.

This bibliography, to which several members of the Institute's staff have contributed under the general supervision of J. S. Davis, is largely the work of Esther C. Wright.

AUTHOR-INDEX

- Alcock, Alfred W., 300
 Allen, W. S., 302
 Allensworth, A. P., 308
 Alsberg, Carl L., 300, 307
 American Institute of Co-operation, 309
 Amos, P. A., 294, 314
 Anderson, Benjamin M., Jr., 304, 318
 Argentina: Ministerio de Agricultura, 300, 301, 303, 305, 312
 Arner, G. B. L., 312
 Ashby, A. W., 314
 Augé-Laribé, Michel, 298, 315
 [Australia], 295, 301
 Australia: Institute of Science and Industry, 300
 Australia: New South Wales Bureau of Statistics, 301
 Australia: Select Committee on the Conditions and Prospects of the Agricultural Industry, etc., 301
 Azzi, G., 302
- Backhouse, William O., 300
 Bailey, C. H., 314
 Bainer, H. M., 305
 Baker, O. E., 296
 Ball, C. R., 296, 300
 Barbee, O. E., 303
 Barker, Arthur, 305
 Barnes, Julius H., 312
 Bates, E. A., 312
 Baumgartel, W. H., 304
 Beach, W. E., 297
 Becker, Joseph A., 303
 Beckmann, Fritz, 298
 Bellows, Henry A., 311, 312, 314
 Benjamin, E. G., 297
 Bennett, M. K., 303
 Bercaw, Louise O., compiler, 294, 295
 Beveridge, Sir William H., 298, 301
 Biffen, R. H., 300
 Black, John D., 305, 310
 Black, R. H., 307
 Boerner, E. G., compiler, 307
 Bonner, Wilbert L., 311
 Bórea, Domingo, 303
 Bosland, C. C., 298
 Boss, Andrew, 303
 Bossi, Jebo, 315
 Boyds, Leslie H., 312
 Boyle, James E., 298, 305, 308
 Bracken, John, 301
 Bradfield, Edward, 314
 Bradfute, O. E., 318*n*
 Brand, C. J., 317
 Brannen, C. O., 304
 Brétignière, L., 300, 301
 Broekman, L. F., 311
 Broomhall, G. J. S., 294, 297, 298*n*
 Brown, Ralph H., 307
 Brunini, Vincente C., 300
 Bureau of Railway Economics, 311
- Cadisch, G. F., 304
 Camp, William R., 309
 Campbell, C., 301
 [Canada], 305, 312
 Canada: Bureau of Statistics, 303, 314
 Canada: Department of Agriculture, 296
 Canada: Department of Trade and Commerce, 305
 Canada: Royal Commission, 311
 Canada: Select Standing Committee on Agriculture and Colonization, 316
 Canada: Senate, 312
 Canadian Co-operative Wheat Producers, Ltd., 309
 Canadian Wheat Board, 316
 Capper, Arthur, 318*n*
 Carey, Frank L., 308
 Chalmers, Henry, 317
 Chapman, John M., 304
 Chenery, William L., 309
 Chicanol, E. L., 301, 311
 Clark, J. A., 300
 Clemen, Rudolf A., 305
 Collings, Harry T., 296
 Cooper, M. R., 304
 Copeland, Royal S., 318*n*
 Copland, D. B., 301
 Costanzo, Giulio, 316
 Coulter, John Lee, 301, 317
 Cowles, Mrs. Delavan, 318*n*
- Davis, Chester C., 318
 Davis, J. S., 296, 297, 303
 Day, Emily L., compiler, 295
 Dedrick, B. W., 314
 Denis, Pierre, 301
 DeVault, S. H., 306
 Dies, Edward Jerome, 308
 Dondlinger, Peter, 294
 Durand, Loyal, Jr., 311
 Duvel, J. W. T., 308
- Edgar, William C., 305
 Edwards, G. W., 313
 [Eldred, Wilfred], 316
 Enfield, R. R., 317
 Englund, Eric, 318
- Fair, L. M., 311
 Falkner, M., translator, 315*n*
 Fay, C. R., 305, 309, 316
 Felter, Frank W., 317
 Ferrin, A. W., 311
 Fjelstrup, Theodor, translator, 315*n*
 Filley, H. C., 299, 310
 Fisher, R. A., 301
 Fletcher, T. B., 305
 Flohr, Lewis B., 299
 Florell, V. H., 300
 Food Research Institute, 294, 296, 297, 301, 303, 307, 309, 312, 314
 Forrester, R. B., 297, 309
 Fossum, Paul R., 305
 Foster, L. D., 300
 France: La Semaine National du Blé, 302

- Frerichs, E. A., 299
 Fribley, Mrs. Wilbur E., 318*n*
 Furgier, H., 306
 Gaines, E. F., 303
 Galpin, W. Freeman, 306
 Gardner, Chastina, 294*n*
 Garrett, Paul Willard, 316
 Geiger, Charles W., 311
 Ghosh, C. C., 305
 Gini, Professor [Corrado], 296
 Girola, C. D., 296, 300
 Godfrey, E. H., 303, 306
 Gompers, Samuel, 318*n*
 Grain Dealers National Association, 306, 309
 Grange, Herbert, 303
 Great Britain: Imperial Shipping Committee, 311
 Great Britain: Ministry of Agriculture and Fisheries, 296, 298, 309
 Great Britain: Royal Commission on Food Prices, 298
 Great Britain: Royal Commission on Wheat Supplies, 316
 Green, R. M., 299, 305
 Grimes, W. E., 317
 Hall, A. D., 296
 Haller, C. R., 307
 Hammatt, Theodore D., 307, 312, 313
 Hardy, C. O., 308
 Hartley, John M., 318*n*
 Hartshorne, Richard, 311
 Hawley, C. R., 304
 Hessling, W. A., 302
 Henry, A. J., 303
 Heyn, Edward T., 314
 Hibbard, Benjamin H., 311, 318
 Hilgendorf, F. W., 301*n*
 Hoffman, G. Wright, 304, 308
 Hooker, R. H., 302
 Hoover, Herbert, 317*n*
 Howard, Albert, 300, 302
 Howard, G. L. C., 300
 Hoxmark, Guillermo, 301
 Huebner, G. G., 306
 Hughes, Hugh J., 305
 Hutchinson, R., 302
 Hyslop, G. R., 302*n*
 India: Agricultural Research Institute, 305
 India: Department of Agriculture, 300
 International Institute of Agriculture, 316
 Iowa Agricultural Experiment Station, 306
 Italy: Ministero dell' Economia Nazionale, 318
 Italy: Ministero per l'Agricoltura, 302
 Jackson, Donald, 303
 Jackson, Gilbert E., 299
 Jacobs, Katherine, compiler, 295
 Jesness, O. B., 310
 Jewett, George C., 318*n*
 Johnson, O. R., 304
 Jones, Clarence F., 311
 Jovino, S., 302
 Kansas Agricultural Experiment Station, 299, 305, 309
 Kansas State Board of Agriculture, 296, 309, 312
 Kenkel, J. B., 306
 Khan, A. R., 300
 Killough, Hugh B., 299
 Kinscy, Charles, 314
 Kozmin, Peter A., 315
 Kramer, R. L., 311, 312
 Kuhlmann, Charles B., 306, 315
 Kunis, Kurt, 315
 Lambert, Norman P., 302
 Larson, Henrietta M., 296
 League of Nations, 297
 Le Clerc, J. A., 313
 Lee, Frederic E., 310
 Legge, Alexander, 318*n*
 Leighty, C. E., 296
 Leonard, William E., 296
 Lescohier, D. D., 302, 303
 Lewis, H. T., editor, 302
 Liesse, André, 299, 317
 Litman, Simon, 316
 Lloyd, E. M. H., 316
 London and Cambridge Economic Service, 297
 Lyon, L. S., 302, 308
 McFall, R. J., 306
 McGibbon, D. A., 307
 Mackin, Robert L., 310
 Mackintosh, W. A., 310
 Macklin, Theodore, 309
 Macmillan, John H., 307
 Marcillac, M. de, 306
 Markham, C. H., 318*n*
 Marneffe, Gustavo de, 305, 312
 Martin, J. H., 300
 Maryland Agricultural Experiment Station, 307
 Maryland Agricultural Extension Service, 306
 Maurette, F., 313
 Mears, Eliot G., 299
 Mehl, J. M., 310
 Mendl, Ing. Wladimir V., 306
 Merritt, Albert N., 316
 Metzger, J. E., 307
 Meyer, Eugene, 318
 Michael, Louis G., 303
 Michener, Carroll K., 302, 306, 315
 Middleton, Thomas Hudson, 302
 Millar, Andrew, 315
 Miller, Cap E., 304
 Miller, Edgar S., 315
 Miller, S. I., editor, 302
 Minneapolis Chamber of Commerce, 306
 Minnesota Agricultural Experiment Station, 310
 Minnesota State Department of Agriculture, 305
 Missouri Agricultural Experiment Station, 304
 Mondell, F. W., 318
 Monicault, P. de, 308
 Moore, H. L., 302
 Mortara, Giorgio, 297
 Moulton, H. G., 296
 Murphey, Elizabeth, 296
 Murray, Nat C., 299
 Musset, René, 296
 National Bank of Commerce in New York, 297, 313
 National Industrial Conference Board, 318

- National Wheat Conference, 313
 Nebraska Agricultural Experiment Station, 299
 Nebraska Agricultural Extension Service, 310
 Newton, R. W., 304
 Nigay, Marcel, 316
 Nilsson, Elis, 315
 North Dakota Agricultural Experiment Station, 304
 Nourse, Edwin G., 306, 313
 Olcott, Margaret T., compiler, 295
 Olsen, N. A., 304
 Parry, Carl E., 308
 Pasvolsky, L., 296
 Patton, Harold S., 299
 Payen, Edouard, 302, 306
 Pearl, Raymond, 296
 Pearson, E. Leigh, 315
 Pearson, F. A., 318
 Peck, F. W., 304
 Peek, George N., 318
 Percival, John, 294, 300
 Philip, William Littlejohn, 312
 Phillips, C. Louise, compiler, 295
 Pichon, Adolphe, 316
 Pillman, J. C., 313
 Pinot, P., 316
 Pope, Jesse E., 319
 Price, H. B., 305, 310
 Queens University, Departments of History and Political and Economic Science, 310
 Rassieur, T. E., 302
 Rew, Sir Henry, 296
 Ricard, J. H., 316
 Richardson, A. E. V., 295
 Riddell, F. W., 316
 Ritter, Alfred H., 312
 Ritter, Kurt, 313, 317
 Roberts, George E., 318
 Ross, E. D., 306
 Rush, A. L., 312
 Russell, A. L., compiler, 295
 Russia: Administration Centrale de Statistique de l'U.R.S.S., 295
 Rutter, W. P., 294
 Sagnier, Henri, 310, 316
 Sakolski, A. M., 299
 Saskatchewan Co-operative Elevator Co., Ltd., 310
 Schmidt, Ernst Wilhelm, 306
 Schmidt, Louis B., 306
 Sering, Max, 318
 Serls, George, 312
 Serré, Paul, 316
 Severance, G., 304
 Shafer, E. G., 303
 Shelton, J. P., 315
 Shively, Eva Thayer, compiler, 295
 Shollenberger, J. H., compiler, 295
 Smith, Brewster L., 296
 Smith, H. A., 301
 Smith, H. B., 313
 Smith, J. Warren, 303
 Smith, Rollin E., 308
 Snodgrass, Katharine, 297, 312
 South Dakota Department of Marketing, 316
 Stamp, Sir Josiah C., 318
 Stephens, D. E., 300
 Stewart, James, 306, 316
 Stewart, W. Blair, 294, 297, 312
 Stine, O. C., 296
 Stockman, Mrs. Dora, 318*n*
 Strong, H. M., 313
 Strowbridge, J. W., 299
 Surface, Frank M., 317
 Taggart, Alexander L., 318*n*
 Taylor, Alonzo E., 297, 299, 309, 312, 313, 314
 Thomas, R. G., 301
 Thorpe, S. K., 307
 Tucker, George E., 303
 U.S. Congress, 299, 304, 307, 308, 310, 318, 319, 320
 U.S. Congress: House Committee on Agriculture, 321
 U.S. Congress: House Committee on Banking and Currency, 321
 U.S. Department of Agriculture, 294, 295, 296, 297, 299, 300, 303, 304, 307, 308, 310, 312, 314
 U.S. Department of Agriculture, Bureau of Agricultural Economics, 294, 295, 303, 307, 317
 U.S. Department of Agriculture, Library, 295
 U.S. Department of Commerce, 307, 312, 313, 317
 U.S. Department of Commerce, Bureau of Foreign and Domestic Commerce, 296, 310
 U.S. Department of Labor, 303
 U.S. Federal Trade Commission, 299, 307, 308, 313, 315
 U.S. Grain Corporation, 295
 U.S. Grain Futures Administration, 308, 309
 U.S. Grain Growers, Inc., 310
 [U.S.] National Agricultural Conference, 318
 U.S. Supreme Court, 307, 309
 U.S. Tariff Commission, 304, 313, 317
 U.S. Wheat Council, 318
 U.S. Wheat Director, 317
 Valgren, V. A., 304
 Van Hissenhoven, Paul, 313
 Venn, J. A., 313
 Vilmorin, Jacques de, 300
 Virtue, G. O., 309
 Wallace, Henry C., 318
 Ward, Stevenson E., 313
 Warren, G. F., 318
 Washburn, R. S., 304
 Washington Agricultural Experiment Station, 303, 304
 West, Carl J., 299
 Weston, L. H., 299
 White, Edson F., 318*n*
 Whitney, Milton, 303
 Willard, Rex, 304
 Wilson, Sir James, 297, 298
 Winnipeg Grain Exchange, 309
 Wood, Louis Aubrey, 307
 Woodyard, G. D., 315
 Working, Holbrook, 301, 314
 Wright, C. P., 296

FOOD RESEARCH INSTITUTE PUBLICATIONS

(Publications may be ordered by number)

MISCELLANEOUS SERIES

No. 1. STALE BREAD LOSS AS A PROBLEM OF THE BAKING INDUSTRY

By J. S. DAVIS and WILFRED ELDRED

Discusses an important source of financial loss and economic waste, and methods of reducing them.
Published February 1923. 70 pp., 8vo. Paper, 50 cents

No. 2. THE AMERICAN BAKING INDUSTRY 1849-1925

As Shown in the Census Reports

By HAZEL KYRK and J. S. DAVIS

"A comprehensive commercial analysis of the growth and development of the American baking industry." "An outstanding contribution to the baker and every student of food economics." "Vital information condensed into the form of an interesting narrative."

Published September 1925. 108 pp., 8vo. Cloth, \$1.50; paper, \$1.00

No. 3. COMBINATION IN THE AMERICAN BREAD-BAKING INDUSTRY

With Some Observations on the Mergers of 1924-25

By CARL L. ALSBERG

Deals with the striking merger movement in the light of the technical and economic conditions of the industry. Considers its significance for competing bakers, and for flour millers, investors, and the public at large. Not a financial appraisal, an attack, or a defense, but an objective analysis.

Published January 1926. 148 pp., 8vo. Cloth, \$2.00; paper, \$1.50

RECENT CONTRIBUTIONS

(Reprints available free on request)

- G 23. "A Method of Measuring Managerial Ability in Farming," M. K. Bennett. *Journal of Farm Economics*, July 1925
- G 24. "Future Trading as Insurance in the Cotton Oil Industry," C. L. Alsberg. *Journal of Oil and Fat Industries*, April 1925
- G 25. "Disbursement of the Family Income," A. E. Taylor. *Journal of Home Economics*, September 1925
- G 28. "Our Future Flour Supply," C. L. Alsberg. *Journal of Home Economics*, February 1926
- G 29. "The Development and Purposes of Farm-Cost Investigation in the United States," M. K. Bennett. *Quarterly Journal of Economics*, February 1926
- G 30. "Practical Applications of Correlation Studies of Prices," Holbrook Working. *Journal of Farm Economics*, April 1926
- G 31. "The Grower-Controlled Pool of the California Rice Growers," Joseph G. Knapp. *Journal of Farm Economics*, April 1926
- ER 8. "The Composition of Crude Gluten," D. B. Dill. *Cereal Chemistry*, January 1925
- ER 10. "Starch Grains of Wheat Considered as Partially Dehydrated Amylose," H. L. Van De Sande Bakhuyzen. *Proceedings of the Society for Experimental Biology and Medicine*, 1925
- ER 11. "The Structure of Starch Grains from Wheat Grown under Constant Conditions," H. L. Van De Sande Bakhuyzen. *Proceedings of the Society for Experimental Biology and Medicine*, 1926
- ER 12. "Studies upon Starch," C. L. Alsberg. *Industrial and Engineering Chemistry*, February 1926
- ER 13. "The Crystallization of Starch," H. S. Van De Sande Bakhuyzen. *Proceedings of the Society for Experimental Biology and Medicine*, 1926
- ER 14. "Preparation of Starch Solution for Use in Iodimetric Titrations," C. L. Alsberg, E. P. Griffing, and J. Field, II. *Journal of the American Chemical Society*, May 1926
- ER 15. "The Crystallization of Starch," Carl L. Alsberg and E. P. Griffing. *Proceedings of the Society for Experimental Biology and Medicine*, 1926

(More complete list on request)

WHEAT STUDIES

OF THE

FOOD RESEARCH INSTITUTE

VOLUME I

DECEMBER 1924—SEPTEMBER 1925

376 folio pages, including tabular appendixes and analytical index, bound in red buckram
Price \$10.00

No.

1. *The World Wheat Situation, 1923-24: A Review of the Crop Year.* \$2.00
2. *Current Sources Concerning Wheat Supplies, Movements, and Prices: A Select List, with Comments.* \$1.00
3. *Developments in the Wheat Situation, August to December, 1924.* \$2.00
4. *The Dispensability of a Wheat Surplus in the United States.* \$1.00
5. *Developments in the Wheat Situation, January to March, 1925.* \$2.00
6. *Average Pre-War and Post-War Farm Costs of Wheat Production in the North American Spring-Wheat Belt.* \$1.00
7. *European Wheat Production as Affecting Import Requirements.* 50c
8. *Canada as a Producer and Exporter of Wheat.* \$2.00
9. *The Disposition of American Wheat Supplies: A Critical Appraisal of Statistical Procedures.* \$1.00
10. *Developments in the Wheat Situation, April to July, 1925.* \$2.00

VOLUME II

NOVEMBER 1925—SEPTEMBER 1926

Subscription price:
\$10.00 for the volume of ten issues

No.

1. *The World Wheat Situation, 1924-25: A Review of the Crop Year.* November 1925. \$2.00
2. *The World Wheat Situation, August to November, 1925.* December 1925. \$1.00
3. *A National Wheat-Growers' Co-operative: Its Problems, Opportunities, and Limitations.* January 1926. \$1.50
4. *Protein Content: A Neglected Factor in Wheat Grades.* February 1926. 50c
5. *Price Spreads and Shipment Costs in the Wheat Export Trade of Canada.* March 1926. \$1.00
6. *The World Wheat Situation, December 1925 to March 1926.* May 1926. \$1.00
7. *Wheat Acreage and Production in the United States Since 1866: A Revision of Official Estimates.* June 1926. \$1.00
8. *The Decline in Per Capita Consumption of Flour in the United States.* July 1926. \$1.00
9. *A Selected Bibliography of Publications, 1920-25, Relating to the World Wheat Situation.* August 1926. \$1.00

For subscriptions, completed volumes, and individual publications, address

FOOD RESEARCH INSTITUTE
STANFORD UNIVERSITY P.O., CALIFORNIA

European subscriptions to WHEAT STUDIES, at £2 2s., will be accepted by the Northern Publishing Co., Ltd.,
16, Fenwick Street, Liverpool, England