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UNITED STATES DEPARTMENT OF AGRICULTURE

Bureau of Agricultural Economics

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Agricultural Economics Bibliography No. 24

THE POULTRY INDUSTRY

A Selected List of References on the Economic
Aspects of the Industry, 1920-1927.

Compiled by Louise O. Bercaw,
Under the Direction of Mary G. Lacy, Librarian,
Bureau of Agricultural Economics

Washington, D. C.
February, 1928

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INTRODUCTION

This bibliography consists of references to books, bulletins, and pamphlets dealing with the economic aspects of the poultry industry from 1920 to 1927. It is intended primarily to cover the United States and Canada, but it also contains a number of references on the industry in foreign countries.

Periodical articles, as a rule, have been omitted. Following the main bibliography, however, is a list of poultry and egg periodicals received currently in the United States Department of Agriculture. The files of some of these periodicals will no doubt yield additional information.

References on the raising and management of poultry and the vocational aspects of the industry have been omitted unless they occur in publications listed for other reasons. References on the economics of feeding for egg production have also been omitted since this is a subject worthy of a bibliography in itself.

No attempt has been made to search the statutes of each state for laws, but when references to them have been found they have been included.

The numbers following most of the entries are the call numbers used in the Library of the United States Department of Agriculture. The words "Pam. Coll." following some of the entries refer to the location of the references either in the Library of the United States Department of Agriculture or in the Library of the United States Bureau of Agricultural Economics.

Acknowledgement is made of many helpful suggestions received from Dr. F. A. Buachel of the Division of Dairy and Poultry Products, Bureau of Agricultural Economics, United States Department of Agriculture.

Mary G. Lacy, Librarian,
Bureau of Agricultural Economics
U. S. Department of Agriculture

February, 1928.

SOURCES CONSULTED

1. Card catalogues in the following libraries:
 - U. S. Department of Agriculture. Library.
 - U. S. Department of Agriculture. Bureau of Agricultural Economics. Library.
 - Library of Congress.

2. Indexes:
 - Agricultural Index, 1919-Sept. 1927.
 - Experiment Station Record, 1920-Nov. 1927.
 - Industrial Arts Index, 1920-Sept. 1927.
 - International Index to Periodicals, 1920-Sept. 1927.
 - Public Affairs Information Service. Bulletin, 1920-July, 1927.

3. Bibliographies:
 - Bercaw, Louise O., comp. Refrigeration and cold storage; a selected list of references covering the years 1915-1924 and the early part of 1925. Washington, 1925. 58 p. (U.S. Dept. Agr. Library. Bibliographical Contributions No. 10) Mimeographed.
 - Connecticut. Agricultural College. Extension Service. Bulletins, circulars & leaflets on poultry subjects. published in the United States and Canada. Storrs, Conn., 1924. 22 p. Mimeographed.
 - This bibliography includes only publications in print at time of publication:
 - Day, E. L., Jacobs, Katharine, and Olcott, M. T., comp. Bibliography on the marketing of agricultural products. Washington, 1925. 56 p. (U. S. Dept. Agr. Misc. Circ.35)

THE POULTRY INDUSTRY
A Selected List of References on the Economic
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Bureau of Agricultural Economics

1. Allen, W. H. Egg production, monthly costs and receipts on New Jersey poultry farms, November, 1925-October, 1926. New Brunswick, 1927. 4p. (N. J. Agr. Exp. Sta. Hints to poultrymen, v.15, no.4, Jan. 1927)
The data in this publication "were compiled from records gathered from 23 poultry farms, and represent every poultry section of New Jersey...Table 1 is the summary of the figures sent in ... by the county agents. Table 2 shows the same data given in table 1, on a one-bird basis. Figure 1 shows the decrease from month to month in size of the business, due to mortality and culling."
Very similar data for the years 1921/22-1924/25 are given in Hints to Poultrymen, v.11, no.4, Jan. 1923; v.12, no.4, Jan. 1924; v.13, no.4, Jan. 1925; and v.14, no.4, Jan. 1926.
2. Almy, L. H., Macomber, W. I.; and Hepburn, J. S. A study of methods of minimizing shrinkage in shell eggs during storage. (In Industrial and Engineering Chemistry, v.14, no.6, June, 1922, p.525-527) 381 J825
"The present study is preliminary to a general investigation of the cause and prevention of the development of cold storage odor and taste in eggs. It deals solely with the relative efficiencies of various sealing agents for preventing the escape of substances, mainly water and vapor, from within the shell." - p.525.
3. American farm bureau federation. National egg marketing conference. 1923. Report of National egg marketing conference of the American farm bureau federation held in the Hotel Sherman, Chicago, May 28, 1923. A text book on co-operative marketing of eggs. Chicago, American farm bureau federation [1923] 47p. 280.59 Am32
Includes addresses, some long and some quite short, by Walton Petcut, Aaron Sapiro, Chris I. Christensen, James Whetsel, Howard A. Cowden, Roy C. Potts, James E. Rice, James M. Kirkham, J. W. Murphy, and Florence E. Ward.
4. American institute of agriculture, Chicago. Lessons. Marketing poultry and eggs. Chicago, 1923-1924. 280.3 Am34P
Lesson 1. A picture of the poultry industry. 1923. 38p.
Discusses the countries where poultry and eggs are produced, world trade in eggs and egg production, marketing, factors affecting

egg prices, and the dressed poultry trade. Statistics given are "based on United States official estimates."

Lesson 2. Market services and distribution, by Earl W. Benjamin. 1923. 28 p.

Items of cost in egg distribution: p. 20, table I.

Costs of marketing services on dressed poultry: p. 24, table II.

Lessons 3 and 4. Egg grades and standards and how to candle eggs. 1923. 68 p.

Tentative U. S. grades of eggs, suggested by the U. S. Dept. of Agriculture, April, 1923: p. 26-27, table I.

Lesson 5. How to pack eggs for shipment. 1923. 30 p.

Lesson 6. Cold storage of poultry and eggs, by H. M. Lackie. 1923. 36 p.

Discusses the necessity of storage, how, when and where to store eggs, cold storage conditions and requirements, when to sell out of storage, and cost of storage and the price spread.

Prices of eggs going into and coming out of storage (New York market wholesale prices) for certain months of the year 1904/05-1922/23; p. 27, table VI.

Lesson 7 and 8. The transportation of poultry and eggs. 1923. 52 p.

Lesson 9. Financing poultry and egg marketing. 1923. 20 p.

Lesson 10. How to operate a successful poultry and egg business. 1924. 40 p.

The following are the topics discussed: why marketing organizations were organized, where produce men operate, feeding of flocks, importance of grading and candling, business judgment, the maintaining of financing facilities, the keeping of complete records, the maintaining of a neat place of business, channels of poultry marketing, classification of market poultry and business organization.

Lesson 11. How poultry and eggs are sold in produce exchanges. 1923. 34 p.

"The cost of inspection:" p. 18-19.

Lesson 12. Future trading in eggs. 1924. 18 p.

Lesson 13. How to interpret poultry market reports. 1924. 22 p.

Lesson 15. Co-operative egg marketing. 1924. 38 p.

Lesson 16. Classes of market poultry and feeding poultry for market, by E. C. Heinsohn. 1924. 32 p.

Lesson 17. Killing, dressing and packing poultry, by E. C. Heinsohn. 1924. 36 p.

Lesson 18. Managing and marketing pure bred poultry, by H. Cecil Sheppard. 1924. 34 p.

Lesson 19. How to advertise and sell pure bred poultry and eggs. [by] H. C. Sheppard. 1924. 38 p.

5. American institute of cooperation, Philadelphia, 1925. American cooperation; a collection of papers and discussions comprising the first summer session of the American institute of cooperation at the University of Pennsylvania, in Philadelphia, July 20-Aug. 15, 1925. Washington, American institute of cooperation [1925] 2 v. 280.29 Am3A

Marketing poultry and eggs: v. 2, p. 331-397. Contents of this section: Practical organization of a poultry cooperative, by C. C. Edmonds. - The national poultry council, by H. R. Lewis. - Selling

Pacific-Coast eggs in New York, by F. W. Benjamin. - Atlantic Coast poultry producers' association, by L. A. Cooley. - Price determination and methods of distribution, by F. W. Benjamin. - Conference on poultry marketing, F. W. Benjamin, leader.

6. American institute of cooperation, St. Paul, 1926. American cooperation; a collection of papers and discussions comprising the Second summer session of the American institute of cooperation at the University of Minnesota, University Farm, St. Paul, June 21-July 17, 1926 ... Washington, D. C., The American institute of cooperation [1926] 2 v. 280.29 Am3A

Marketing eggs and poultry: v. 1, p. 535-653. Contents of this section: How to determine what is an economical egg and poultry unit, by H. L. Hobson. - Pooling and selling methods of an egg and poultry exchange, by A. A. McPheeters. - Organization and management problems of a farm flock poultry and egg cooperative, by M. L. Howell. - Type of organization for marketing poultry and eggs from farm flocks, by Hagbarth Buc. - Business methods of a cooperative egg and poultry association, by Benjamin Brown. - A cooperative poultry and egg marketing program for Illinois, by F. A. Cougler. - Financing and operating district poultry and egg assembling plants, by H. A. Cowden. - Cooperative marketing as judged from the market viewpoint, by F. W. Benjamin. - Standards and standardization for poultry and eggs, by R. C. Potts. - Standardization of live and dressed poultry, by O. B. Hornbeck. - Can the cooperative influence the market by regulating the supply and by securing new quotation? by F. W. Benjamin. - Maintaining egg quality, by C. F. House. - Should the cooperative agencies selling farm flocks use the auction? by F. W. Benjamin. - Standardization of poultry grades and its value to the producer, by Frank Weilman. - Standardizing eggs from farm flocks, by A. A. McPheeters. - Changes in central marketing practice and their probable effect upon cooperative selling, by F. W. Benjamin. - Standardizing egg production, by H. M. Lackie. - Flock management practices that can be aided by cooperative organizations, by L. E. Card.

- 6a. American institute of cooperation. American cooperation; a collection of papers and discussions comprising the third summer session of the American institute of cooperation at the School of commerce, Northwestern university, Chicago, Ill., June 20-July 16, 1927. Washington, D. C., American institute of cooperation, 1927. 2 v. 280.29 Am3A

Pages 619-712 of volume 2 are devoted to the cooperative marketing of poultry and eggs. Contents of this section are: Cooperative marketing of poultry, by Howard A. Cowden; Financing the poultry cooperative, by M. L. Howell; Operating costs of poultry producers' cooperative associations, by Gordon W. Sprague; Marketing Saskatchewan eggs and poultry, by Ralph Brightly; Federal-state inspection of eggs at shipping points in Missouri, by D. C. Rogers; Quotation of eggs and poultry values in the New York market, by F. C. Urner; The auction as a market outlet, by Earl W. Benjamin; Analyzing the market for poultry products, by D. B. Cowan.

7. American poultry association. Committee on "defense of the poultry industry."

A brief favoring a tariff on eggs, egg products, and poultry presented to the Ways and means committee of the House of representatives on January 24, 1921 by members of the sub-committee on "tariff revision" of the Committee on "Defense of the poultry industry" of the American poultry association. [Ithaca, N. Y.? 1921?] 20 p. 47 Am312

In 2 parts. Titles of sections of part 1 are: Methods of procedure and reasons; Importance of the poultry industry; Imports; Protecting the producer protects the consumer; Producer handicapped by large distributor; Direct tariff vs. ad valorem duty; Duties recommended based on normal conditions. Part 2 contains tables giving for a series of years, amount and value of imports of eggs (shell, yolks, frozen, etc.) and poultry (by country of origin); and amount and value of exports of shell eggs, egg yolks, canned eggs, etc. (by country of destination) and imports and exports of poultry. There is also a graph showing, prices of poultry, eggs and corn and wholesale prices of all commodities for 1914-1920.

8. American school of poultry husbandry. The production and handling of market eggs. Kansas City, Mo., American poultry school, 1920. 96 p. (Its Lessons Nos. 28 and 29) 47 Am32L

In 2 parts.

Subjects discussed in part I which is by T. F. Cuisenberry, are: How to produce highest grade of market eggs; use of pure-bred hens; importance of feeding and proper housing; influence of ration on weight of eggs; breeding to improve quality of eggs; handling of eggs on the farm; grading and marketing eggs; prevention of loss in eggs; factors affecting quality of eggs; cost of production; selling; preserving; cold storage; shipping by parcel post; exhibiting and judging eggs; co-operative egg marketing associations; co-operative buying; transportation problems; advertising and cost of marketing.

Part II is Handling and grading eggs for market by M. E. Pennington and H. C. Pierce.

9. American school of poultry husbandry. Turkeys, waterfowl and guineas. Kansas City, Mo., American poultry school, 1920. 62 p. (Its Lessons nos. 33 & 34) 47 Am32L

Yearly cost of keeping a goose (paragraph): p. 46.

Preparing geese for market. - Method of killing and picking geese. - Picking live geese for feathers: p. 50-52.

Finishing and marketing guineas: p. 56-57.

10. Aubry, V. G. Cost of producing eggs on a one-man poultry farm in New Jersey for 1919. New Brunswick, 1920. 4p. (N. J. Agr. Exp. Sta. Hints to poultrymen, v. 8, no. 4, Jan. 1920)

This is a report of records kept of the entire plants of commercial egg farms in New Jersey, with all items of costs and receipts, as well as the inventories, included.

11. Barbeau, J. D. L'aviiculture dans la province de Québec. (In Scientific Agriculture, v. 7, no. 9, May, 1927, p. 359-362)

A brief account of the origin and development of the Service de

l'Aviculture in Quebec, including an outline of instruction given in poultry raising by means of lectures and publications, a list of fairs held and an outline of the main improvements introduced during the last twelve years.

12. Benedict, M. R. Efficient marketing of eggs and poultry. Brookings, 1923. 4 p. (S. Dak. State col. agr. and mechanic arts. Ext. leaflet 13)
Discusses quality of product, marketing when prices are high, and direct selling.
13. Benedict, M. R., and Worsham, C. C. Handbook on South Dakota farm production costs and crop statistics. Brookings, 1924. 75 p. (S. Dak. Dept. agr. Circ. 8)
The figures for 1922 and 1923 are computed from the Kingsbury County cost route for the production of corn, oats, barley, potatoes, flax, rye, wild hay, alfalfa, pork, butter fat, poultry and eggs, beef, sheep and wool.
14. Benjamin, E. W. Egg exchanges. (In Poultry Science, v. 4, no. 5, June-July, 1925, p. 171-178) 47.8 Am33p
"Certain typical exchanges for marketing eggs, as well as those dealing in other agricultural commodities, are briefly described. Such exchanges are deemed helpful in making transfers of food products easier, and the author urges practical market experience for a teacher of any marketing subject." - Exp. Sta. Record, v. 54, p. 81.
15. Benjamin, E. W. Marketing poultry products. 2d ed., rev. New York, John Wiley & sons, inc.; London, Chapman & Hall, limited, 1925. 332 p. 47 3432
Bibliography: p. 313-321.
The importance of the poultry industry, domestic and world production, foreign trade, cyclic changes and consumption are discussed in the Introduction. The titles of the 11 chapters following are: Quality of eggs; Grading, packing and shipping eggs; Quality and preparation of poultry; Grading, packing and shipping poultry; Preservation of eggs and poultry; Distributors - their work and facilities; Cooperative enterprises; Advertising and selling; Prices and market reporting; The table supply; Education and the government.
The book contains many charts, tables and pictures.
16. Benjamin, E. W. Scientific marketing of farm products as illustrated by the marketing of eggs. 10 p. Pen. Coll.
"Publication No. 1803. Reprinted from Scientific Distribution, vol. CVI of the Annals of the American Academy of Political and Social Science, Philadelphia, September, 1924."
Bibliography: p. 10.
Two charts show the inter-relationship of egg distributors and evolutionary development of egg distributors. A graph on p. 9 shows the relationship of spring and fall egg receipts. Parts of pages 9 and 10 deal with the auction method of distributing eggs.

17. Benner, C. L., and Gabriel, H. S. Marketing of Delaware eggs. Newark, 1927. 47 p. (Del. Agr. Exp. Sta. Bul. 150)

Phases of the subject discussed are: growth of poultry industry in the United States; analysis of poultry industry in Delaware; principle markets for Delaware eggs; factors influencing the retail price of eggs in Wilmington; methods employed in preparing Delaware eggs for market; damage to eggs resulting from improper packing, methods of transporting eggs, initial buyers of Delaware eggs, selling through co-operative egg marketing associations, methods of following the market, and marketing channels for Delaware eggs.

Tables give the following data: production of eggs, population and number of chickens on farm (with index number) in the United States, 1879, 1889, 1899, 1909, 1919, and 1924; egg production in Delaware, and New Castle, Kent and Sussex counties for the same years (with index number); number of chickens on hand, eggs produced, and chickens raised in Sussex County, with number of farms reporting; total number of farms and size of chicken flocks reported and eggs produced by flocks of various sizes, 1925 in Sussex County, Del., Polk County, Iowa, Cumberland County, N. J., and Sonoma County, Calif; average egg production per bird in 5 best flocks, 5 poorest neglected flocks, commercial farm flocks, and commercial henneries, Delaware, 1926; frequency of selling eggs; egg receipts at New York City and Philadelphia from Delaware by months, 1921-1926; percentage distribution of New York City and Philadelphia egg receipts from Delaware by months, 1921-1926; per cent of total egg receipts at New York City, from the Pacific Coast States for 3 month periods, 1921-1926; premium of nearby hennery whites, closely selected extras over Pacific Coast white extras; effect of cleanliness, weight of eggs, location and type of store, and quality of eggs on price; method of cleaning Delaware eggs; analysis of 134 cases of Delaware eggs and analysis of grades of 13 dozens of Delaware eggs consigned to New York City, inspected Oct. 29, 1926; number of co-operative egg and poultry associations, membership and number and average number of cases handled, 1925, by states; alleged reasons for not selling through a cooperative association; methods of following the market; egg prices May 13, 1927 in New York City as reported by the Producers Price-Current; correspondence between shippers and egg receivers; etc.

18. Benson, T. A. Cooperation in marketing poultry products. Ottawa, 1923, 15 p. (Canada. Dept. Agr. Bul. 25, new series) 7 C16B

"An endeavour is made in this bulletin to present a review of co-operative marketing activities as affecting the poultry industry in their broader significance." - Introduction.

19. Berger, A. C., and others. Agricultural production and marketing in Lebanon County, Pennsylvania; a report of the results of a survey of agricultural conditions in Lebanon County, Pennsylvania, for the purpose of furnishing an economic basis for a production and marketing program. State College, 1925. 48 p. (Pa. Agr. Exp. Sta. Bul. 198)

Dept. of Agricultural Economics of the Pennsylvania State College, Bureau of Markets of the Pennsylvania State Department of Agriculture, Bureau of Agricultural economics of the U. S. Department of Agriculture and the Lebanon County Agricultural Extension Association cooperating.

The last named agency cooperated with the Lebanon County Bankers Association and the Lebanon Chamber of Commerce.

The following data are given for poultry: number of hens and pullets, 1924 and 1920 (p.10); average farm receipts of poultry products on 163 farms (p.11); comparison of poultry receipts on farms operated by owners and tenants (p.12); report on importance of poultry industry and poultry production and marketing (p.25-27).

20. Bjorka, Knute. Index number of Iowa farm products prices. Ames, 1926. 16 p. (Iowa. Agr. Exp. Sta. Current economic series rept. 3)
"Description is given of the method used in constructing monthly and annual index numbers based on the prices of hogs, cattle, sheep, corn, oats, wheat, hay, butter, eggs, and poultry, using the period 1910-1914 as the base. Tables and graphs are included showing the monthly and annual index numbers of farm products, the monthly and weighted annual farm prices, and the monthly and annual price relatives of the included products from January, 1910, through April, 1926." - Exp. Sta. Record, v. 55, p. 687.
21. Black, L. M. Capons in New Jersey. New Brunswick, 1926. 4 p. (N. J. Agr. Exp. Sta. Hints to poultrymen, v. 14, no. 9, June 1926)
"Directions for caponizing fowls, including a discussion of the relative prices and the market demands for capons, and suggestions as to care of the birds before and after the operation and the necessary equipment." - Exp. Sta. Record, v. 55, p. 367.
22. Botsford, H. E. Capon production. Ithaca, 1926. 16 p. (Cornell. Univ.- N. Y. State col. Agr. Ext. bul. 143)
Preparation for market and profits in capon production are briefly discussed on pages 15 and 16.
23. Brett, C. E. Rhode Island poultry pointers; caponizing. Kingston, 1923. 4 p. (R. I. State col. Ext. bul. 26)
Contains two short paragraphs on the time to market capons.
24. Brett, C. E. Rhode Island poultry pointers; market grades of eggs. Kingston, 1923. 4 p. (R. I. State col. Ext. bul. 21)
Discusses candling and grading and gives grading instructions.
25. British Columbia. Dept. of agriculture. Market poultry. 4th ed. Victoria, 1920. 24 p. (Its Bul. 49)
Discusses co-operation, stock for market poultry, fattening, flocks and feeding, caponizing, preparation for market, starving, killing and plucking, shaping, cooling, how to market, packing and marketing, and shipping live poultry.
26. British Columbia. Laws, statutes, etc. Act respecting the marking of eggs. (Chap. 10, Laws, 1923)
Not examined.

27. Brown, Edward. Economic position of the poultry industry. (In Ct. Brit. Ministry of agriculture and fisheries. Jour. v. 27, no. 5, Aug. 1920, p. 458-462) 10 C79J
"The author reviews the changes in the egg and poultry prices in Great Britain from 1913 to 1919, and compares the 1913 and 1919 importations of eggs and dressed poultry. It is thought that the normal trade in Egyptian eggs will soon be resumed, and that Canada but not the United States will continue to export large quantities of eggs to Great Britain." - Exp. Sta. Record, v. 44, p. 572.
28. Buchanan, W. D. Cost of day-old chicks.. (Helps for poultrymen, no. 1) Pullman, 1924. 6 p. (Wash. State col. Ext. serv. Bul. 126)
This discussion of the cost of day-old chicks is illustrated by four tables which show the variation in the egg cost per chick where the cost of the egg is fixed at 4.2 cents and the per cent of hatch changes; actual and average cost of chicks as reported by 8 hatcheries; cost of trap-nest chicks; and selling cost per chick.
29. Burgos, C. X. The duck industry in the Philippines. (In Philippine Agricultural Review, v. 17, no. 2, second quarter, 1924, p. 87-99) 25 P54P
The author discusses the origin of the industry, the form in which duck eggs are sold, the management and care of ducks, feeds and feeding, incubation of eggs, care of the ducklings, diseases, etc. There are tables showing the number of ducks in towns having over 2,000 ducks (1918 census), egg production of native and Indian Runner ducks, relative weights of their eggs, and incubation of eggs.
30. Burgos, C. X. Turkey raising. (In Philippine Agricultural Review, v. 17, no. 3, third quarter, 1924, p. 157-166) 25 P54P
This is an account, mainly of the care and management of turkeys in the Philippines but there is a short section on marketing and tables showing the number, value, and number killed yearly for table use, in the Philippines in 1903 and 1918, and the number of turkeys in provinces having over 1000 turkeys in 1918.
31. Busted, John. A statistical analysis of Irish egg production, prices and trade. Dublin and Cork, Cork university press, Educational co. of Ireland; London, New York [etc.] Longmans, Green and co., 1926. 62 p. (Cork, Ire. (City) Univ. col. Agricultural bul. 2) 10.5 C81
The first 49 pages contain data from, and an analysis of, the Munster Institute egg-laying contests. Pages 49-53 deal with the monthly fluctuations in egg prices, and pages 54-58 deal with the export trade. Appendix I (p.59-60) is a short analysis of a duck egg-laying contest held in the Munster Institute in 1923/24. Appendix II deals with the registration of poultry.
32. Buster, M. W. Poultry cost accounting. (In California Cultivator, v. 69, no. 9, Aug. 27, 1927, p. 228, 229)
Presents some data from the poultry record-keeping project conducted in Sonoma County, Calif., from November 1, 1924, to October 31, 1925.

33. California. College of agriculture and the Agricultural experiment station. Report, 1921/1922. Berkeley, 1922. 255 p.

Pages 140-146 are devoted to reports of experiments and tests made by the Dept. of Poultry Husbandry. These include cost of brooder operation, fine vs. coarse type as indicative of egg-laying ability of pullets, cost of marketing live poultry, and two egg-laying contests.

34. California. Laws, statutes, etc. Act to promote the development of the California egg industry, to prohibit the sale of eggs unfit for human food, to prevent deception in the sale of eggs, to protect the consuming public in the matter of quality and weight, and to encourage greater consumption of eggs by regulating and standardizing the grading, classification, and labeling of all eggs, displayed for sale; providing penalties for the violation of the provisions of this act, and repealing all acts and parts of acts in conflict herewith. (Chap. 425, Laws, 1925)

Not examined.

35. California. Laws, statutes, etc. Act to provide for the inspection and certification of foreign eggs, foreign powdered eggs, and foreign egg products imported into the state of California for purposes of human consumption. (Chap. 697. Laws, 1921)

Not examined.

36. California methods of poultry raising and marketing. (In Ct. Brit. Ministry of agriculture and fisheries. Jour. v.29, no. 6-7, Sept.-Oct. 1922, p. 504-509, 629-633) 106 793

Discusses poultry raising and the cooperative marketing of eggs. The methods employed by the Poultry Producers of Central California, Incorporated, are outlined and the constitution of cooperative societies in California is discussed.

37. Canada. Dept. of Agriculture. The individual graded return; a time-saving - accurate method for making individual graded returns for each producer's eggs in ungraded country shipments ... Ottawa, W. R. Motherwell, 1926. 11 p. (Its Pamphlet 70) 7 C16P2

The method presented "is applicable under all normal conditions of the Canadian egg trade ... [and] was originated by egg inspectors R. J. Bell and C. W. Cullingwood of Toronto."

38. Canada. Dept. of agriculture. Notes on the cold storage of eggs. Ottawa, 1921. 2 p. (Its Circ. 50) 7 C16C

"Reprint of Cir. no. 30 Old Series." This publication is from the Office of the Dairy and Cold Storage Commissioner.

39. Canada. Dept. of agriculture. Experimental farms. [Report] Interim report of the Dominion poultry husbandman, 1921. Ottawa, 1922. 34 p. 101 Ex3R

Among the reports included are reports on the cost of the season's hatch at the farms, influence of climate upon rearing, cost of brooding one chick, cost of rearing Pekin and Muscovy ducks, and crate vs. yard fattening ducks.

40. Canada. Dept. of agriculture. Experimental farms. Report of the Dominion poultry husbandman, 1925. Ottawa, 1926. 67 p. 101 Ex6R
Includes reports on egg storage experiments and the shipping of market eggs.
The 1923 and 1924 reports also give reports on the preservation and storage of eggs by the "guaranize process."
41. Canada. Dept. of agriculture. Experimental farms. [Reports of the superintendents of the branch farms for the year 1926] Ottawa, 1927. 101 Ex6R
A separate report is issued for each experimental farm, but they have been listed together for convenience, Reports for earlier years should also be examined. These reports contain various data relative to poultry experiments - feeding, cost of production, etc. The following have been noted:
Charlottetown, P.E.I.: Poultry, p. 50-53. Includes tables showing cost of production of chicks and production, profit and loss, and feed consumed by Plymouth Rocks, Nov. 1, 1925 to Oct. 31, 1926.
Fredericton, N. B.: Poultry, p. 54-66. Includes a report on cost of rearing chicks.
Kapuskasing, Ont.: Poultry, p. 52-60. Among the investigations reported on are cost of artificial incubation and the effects of lights vs. no lights.
Lennoxville, Que.: Poultry, p. 58-63. Includes reports on cost of producing eggs and the use of artificial lights.
Morden, Man.: Poultry, p. 51-56. Contains, among other things, a report on the cost of rearing pullets.
Nappan, N. S.: Poultry, p. 55-63. Includes a report on the cost of rearing chicks.
42. Canada. Dept. of agriculture. Live stock branch. Poultry division. Canadian egg and poultry markets. Yearly report. 1926. Ottawa [1927] 16 p. Mimeographed. 286.85 C16C
Contents: Part 1 - Egg markets: Nineteen twenty-six in retrospect. - Western Ontario, Winnipeg, and British Columbia paying prices for extras (tables showing weekly prices for 1925 and 1926). - The 1926 storage deal. - Price of storage eggs (extras and firsts) in Montreal, weekly Nov. 8, 1925-Jan. 25, 1927. - Storage holdings of Canadian eggs, first of month, Jan. 1, 1921-Feb. 1, 1927.
Part 2 - Poultry market review. - Toronto poultry market for 1926.- The holiday poultry deal. - Canadian cold storage holdings of broilers, chickens, fowl, ducks, geese, turkeys and all poultry first to each month, 1925 and 1926. - Charts showing storage holdings of eggs, and jobbing prices of fresh eggs at Toronto, monthly 1921 and 1926. - Number of cases of fresh and storage eggs inspected for export and for interprovincial shipment, monthly, 1926, by sections and provinces. - Exports by countries of destination.
43. Canada. Dept. of agriculture. Live stock branch. Poultry division. Egg and poultry market review. Ottawa. 286.85 C16
This is a weekly report of Canadian egg and poultry market conditions. It formerly had the title Egg and Poultry Market Report and appeared in mimeographed form. The Library, U. S. Bureau of Agricultur-

al Economics, has the issues from 1924 to date, with incomplete files for the years 1917-1923.

The data given vary somewhat in the different issues, but prices are the main feature of the reviews. Storage holdings, inspections, and British prices, are frequently given. A section, "Egg prices for current week," gives prices of certain grades of eggs to the country shippers, retailers, and consumers at various cities.

44. Canada. Dept. of agriculture. Office of dairy and cold storage commissioner. Notes on the cold storage of eggs. Ottawa, 1921. 2 p. (Circ. 30)
44.8 C168

Gives notes on sanitation, condition of eggs, temperature, humidity, air circulation, ventilation and packing.

45. Canada. Dominion bureau of statistics. Internal trade branch. Live stock and animal products statistics, 1926. Ottawa, 1927. 106 p.
253 C334

This report is the "eighth of its series, which now covers the period from 1909 to 1926."

Included in the data given are the following: estimated annual agricultural wealth and revenue of Canada in live stock and animal products including poultry and eggs by provinces, 1924, 1925, and 1926; number of poultry, and total, and average farm value per head of poultry in Canada, by provinces, annually 1922-1926; stocks of eggs and poultry in storage by months and provinces, 1926; charts showing stocks of eggs in cold storage, and prices, 1924, 1925, and 1926; interprovincial and export shipments of inspected eggs by provinces and months, 1926; estimated consumption of eggs, fowls, turkeys, ducks and geese, in Canada, per capita, per annum, 1923-1926; exports and imports of poultry by number and value, 1921/22-1925/26; imports of inspected eggs (in shell) into Canada for consumption 1925 and 1926; summary of Canadian and British foreign trade in eggs, by quantity and value, 1921/22-1925/26; wholesale prices of dressed fowl, chickens and turkeys at Montreal, monthly, 1926; wholesale prices of eggs at Montreal, Toronto, Winnipeg, and Vancouver, monthly, 1926; average yearly retail price of eggs at various Canadian cities, 1926.

46. Canada. Dominion bureau of statistics. Internal trade branch, Estimated consumption of meats, dairy products and eggs in Canada, 1922-1925. Ottawa, 1926. 4 p. Mimeographed. 253 St22E

There is also an earlier publication which was published in 1925 and which covered the years 1922-1924.

The following data are given for fowls, turkeys, ducks, geese, and eggs: number on farms, and elsewhere (production of eggs), marketing (imports of eggs), exports, total and per capita consumption, and estimated population, 1922, 1923, 1924, and 1925. Total per capita consumption of all poultry is given for the same years.

47. Canada. Laws, statutes, etc. Regulations made under the provisions of the live stock and live stock products act, - 13-14, George V., chap. 18, respecting the grading and marking of eggs. Including amendments as published in The Canada gazette of Saturday, April 26, 1924. [Ottawa, Printed by F. A. Acland, 1924?] 8 p. Pam. Coll.

48. Canada. Parliament. House. Select special committee to inquire into agricultural conditions. Proceedings (revised) Ottawa, 1924. 2 v. 31.2 C163P
Statements of various "witnesses" as to poultry and eggs (cost of production, cold storage, prices, co-operative marketing, etc.) may be located by means of the index, p. 24.
49. Canada's provincial poultry activities. (In Scientific Agriculture, v. 7, no. 9, May, 1927, p. 333-347) 7 Scl2s
This consists of a number of articles on activities in the various provinces. The article on Quebec is in French and is on pages 359-362. It is by J. D. Barbeau, q. v. The one on Ontario is by W. R. Graham; Nova Scotia, by J. P. Landry; New Brunswick, by F. Leslie Wood; Manitoba, by F. B. Hutt; British Columbia - a few facts about ten hens that made an official world's record for number of eggs laid - by V. S. Asmundson; Saskatchewan, by R. K. Baker; and Alberta, by J. H. Hare.
50. Capper, A. H. One-man poultry farming. Rudgwick, Sussex, The Scientific poultry breeders' association [1924?] 46 p. 47 C172
"Reprinted from 'Eggs,' the official organ of the Scientific Poultry Breeders' Association."
Table showing cost of rearing pullet to maturity. - p. 33.
The business side and the financial part of one-man poultry farming are discussed in chapters 6 and 7, pages 35-46.
51. Carslaw, R. McG. A successful Norfolk poultry farm, 1922-26. [Cambridge, Eng.] Farm economics branch, School of agriculture, Cambridge university [1927] 19 p. (Cambridge, Eng. University, School of agriculture. Farm economics branch. Report no. 5) 281.9 C14
"The following is an attempt to describe the development, difficulties and successes of a poultry farm situated on a light Norfolk soil." - p. 3. The following phases of the subject are discussed: general description of the farm capital, outgoings, labor, foods, and feeding, treatment of runs, huts, buildings and appliances, diseases and risks, breeding and selection of breeding hens, and returns. Tables show number and value of poultry stock in hand, 30th September of 1925 and 1926; purchased food consumed by poultry; egg production, 1st Oct., 1925 to 30th September, 1926; balance sheets; and revenue accounts. There is also a diagram showing the development of the successful poultry farm.
52. Case, H. C. M., and Bonnen, C. A. Cost of producing farm products on 14 farms in Champaign and Piatt counties, 1924. Urbana, University of Illinois. College of agriculture. Dept. of farm organization and management [1925?] 36 p. Mineographed. Pam. Coll.; 281 I16
"Data were obtained by route method of study."
Cost figures tabulated include cost of producing poultry products.
53. Cavanaugh, D. D. Town lot poultry keeping; new types of houses, appliances, brooders, curing of diseases, formulae for feeding, and a new chart for line breeding. 3d ed. [Springfield, O., The Poultry

success press] 1922. 33 p. 47 C31

"Cost of the one man plant [and] the possible income and profits."
p. 81.

54. Charon, A. J. Importance économique de l'aviculture. (In Journal d'Agriculture Pratique, 91^e année, n. s. tome 48, n^o30, 23 juillet, 1927, p. 70-73) 14 J82

The author deploras the lack of governmental encouragement given to poultry raising in France where the export duty on eggs is 20 per cent and has been as high as 40 per cent. He cites the cases of Denmark and the United States, in which poultry raising has reached a high state of development, and points out the great economic importance of the industry for France were it encouraged by the government.

55. Chicago, Ill. Municipal reference library. Municipal regulations or ordinances providing for the candling of eggs, 1923. 12 p. Typewritten. Not examined.

56. Chicago daily drovers journal. Drovers journal yearbook of figures of the live stock trade ... for the year 1926, with other information, including grain, wool, hay and produce markets, prices and crop reports. 28th ed. Chicago, 1926. 109 p. 49 C431

Monthly receipts of eggs on the Chicago market and range of prices for fresh firsts during 1925 and 1926. - p. 103.

Cold storage holdings of broilers, fryers, roasters, fowls, turkeys, and miscellaneous poultry, case and frozen eggs, Jan. 1, 1927 and 1926, Dec. 1, 1925 and 1926, and 5-yr. averages, Dec. 1, and Jan. 1.- p. 104.

The Yearbook for earlier years should be consulted also.

57. Chicago mercantile exchange. Chicago mercantile exchange, the great central market for butter and eggs - its methods of operation and position in the industry. Chicago, 1923. 31 p. Pam. coll.

"This booklet is one of a series prepared and published by the Chicago Mercantile Exchange to bring about a better understanding of the Butter and Egg industry, from production to distribution."

58. Chicago mercantile exchange. Chicago; the central market for butter and eggs. Chicago, 1923. 31 p. Pam. Coll.

59. Chicago mercantile exchange. Cold storage. The key to the problem of maintaining a wholesome food supply for the nation the year around - its part in the butter and egg industry. Chicago, 1923. 22 p. Pam Coll.

60. Chicago mercantile exchange. Getting butter and eggs to market. A detailed account of how these products are handled, and of the channels through which they pass, on their way from the producer to the ultimate consumer. Chicago, 1924. 32 p. Pam. Coll.

"This booklet, the sixth in a series published by the Chicago Mercantile Exchange, is written primarily for the farmer or producer of milk and eggs."

61. Chicago mercantile exchange. Hedging butter and eggs; the process of removing the element of risk from your buying and selling transactions. Chicago, 1923. 20 p. Pam. Coll.
62. Chicago mercantile exchange. Merchandising butter and eggs. Some thoughts for the retail dealer, who occupies the most important position in the merchandising field. Chicago, 1923. 24 p. Pam Coll.
63. Clark, A. L., and Hundertmark, W. L. Packing eggs for market shipment. Trenton, 1920. 15 p. (N. J. Dept. Agr. Circ. 32)
"This publication consists of illustrated directions for crating eggs, with notes on the use and repair of second-hand crates. The importance of the middle pad is emphasized." - Exp. Sta. Record, v. 44, p. 270.
64. Cockell, F. H. Cost of rearing pullets to six months of age. Corvallis, 1924. 4 p. (Oreg. Agr. col. Ext. serv. Ext. Bul. 379)
Data were secured during the 1923 season from "five different farms in separate communities within a thirty-mile radius of Portland." Results are tabulated.
65. Connecticut. Board of agriculture. Connecticut grades for eggs, bunched beets, carrots, turnips and winter radishes, also specifications for standard box for farm produce. Hartford, Conn. [1925] [5]p.
280.31 C76
Grades for eggs were effective January 1, 1924.
66. Connecticut. Laws, statutes, etc. Act amending an act concerning the sale and marketing of eggs. (Chap. 140, P. A. 1921)
Not examined.
67. [The co-operative marketing of eggs and poultry] (In International Review of Agricultural Economics, v. 13, no. 9, Sept. 1922, p. 577-584)
This is section 6 of an article entitled "Co-operation for the marketing of agricultural produce and the supply of farm requisites." The article is signed with the initials W.E.H.L. It deals with the co-operative marketing of eggs and poultry in Prince Edward Island, Ontario, British Columbia, Saskatchewan, Alberta, Nova Scotia, and Quebec. In addition to the statistics given in the text the following are given: table showing quantities of poultry received and prices realized at the Saskatchewan killing stations, 1917; a sample statement of the Alberta Egg Marketing Service and a diagram of the "egg case plan" used by the same service.
68. Corbett, R. B. Rhode Island agriculture; a statistical description. Kingston, 1926. 123 p. (R.I. Agr. Exp. Sta. Bul. 206)
"The purpose of this bulletin is to present an 'inventory' of the agriculture of Rhode Island in more detail than is possible when the county is the basic unit. The 1925 census figures have been obtained by towns (townships) to serve this need. A secondary purpose is to

furnish a 'source-book' of information concerning Rhode Island agriculture." - p. 6.

Poultry industry: p. 55-55. Included in these pages are a chart showing trends in the number of eggs produced in each county and in the state from 1830 to 1925, and maps showing distribution of chickens 1925, average number of chickens per farm, 1925, and changes in the number of chickens per farm, 1885 to 1925.

Total numbers of chickens, 1885, 1895 and 1925 and number per farm, 1885 and 1925 in each town in Rhode Island: p. 108, table XLIII.

Number of dozens of eggs produced in each town in Rhode Island, 1885, 1895, and 1925: p. 109, table XLIV.

69. Cornell university. College of agriculture. Dept. of agricultural economics and farm management. Economic studies of poultry farming in New York I. Thirty-two farms on Long Island, year ended September 30, 1926. Preliminary report released May 7, 1927. For revision before publication. [Ithaca?] 1927. 75 p. Mimeographed. 47 [C]
- In cooperation with the Division of Farm Management and Costs, Bureau of Agricultural Economics, U. S. Dept. of Agriculture.
- By F. C. Wisner, E. R. Johnson, and D. R. Marble.
- "This bulletin gives some general information about the poultry industry together with the results of a study of 32 specialized poultry farms on Long Island. Of these farms 8 were in Nassau and 24 in Suffolk County. The farm records are for the year Oct. 1, 1925 to September 30, 1926, inclusive." - p. 1.
- Among the subjects treated are the chicken and egg industry in New York and in the United States, marketing conditions on Long Island, prices of eggs, size of farms and flocks, farm capital, receipts and expenses, labor income, egg production, and costs and returns in producing eggs and poultry.
- There are numerous charts and tables illustrating the various phases of the study.
70. Cost of raising Leghorn chicks. Moscow, 1921. (In Idaho. Agr. Exp. Sta. Bul. 122, p. 46)
- "Data are presented showing the amount of fuel, feed, and labor required to raise 250 Leghorn chicks to the age of 12 weeks and 118 pullets from the twelfth to the twenty-fourth week." Exp. Sta. Record, v. 45, p. 275.
71. Cost to raise Leghorn pullets. (In Farmstead, Stock and Home, v. 41, no. 6, Mar. 15, 1926, p. 234)
- Detailed estimates as to cost of raising Leghorn pullets to an age of 6 months. Prepared at a recent short course held at Barnum, Minnesota.
72. Cowan, D. B. G. Missouri farm prices and purchasing power. Columbia, 1926. 34 p. (Mo. Agr. Exp. Sta. Research bul. 84)
- "Tables and graphs are given showing the monthly prices, monthly relative prices, and the monthly purchasing power of hogs, cattle, sheep, calves, horses, chickens, eggs, butterfat, corn, wheat, oats,

hay, and apples, from January, 1910, to December, 1925; the monthly index numbers of farm prices and the monthly hog-corn ratios for the same period. The methods of constructing the hog-corn ratios are described." - Exp. Sta. Record, v. 55, p. 589.

73. Gray, R. E., and Zumbo, P. B. Analysis of poultry profits in Ohio, 1926. Columbus, 1927. 16 p. (Ohio. State univ. Agr. col. Ext. serv. Bul. 60)

"This bulletin aims to summarize the results secured from poultry on 543 Ohio farms as shown by the cost account records kept in co-operation with the county agents and the Poultry Extension Department of the Ohio State University." - p. 2.

Tables and charts show relation of egg production to feed cost per hen and per dozen eggs, to labor income, to inventory, to investment, size of flock, culling and mortality; relation of labor income to receipts and expenses; breed comparisons in relation to egg production, size of flock, labor income, feed cost, etc.; monthly analysis of egg production; and relation of size of flock to egg production, feed cost, labor income, etc.

74. Davis, I. G. Connecticut's poultry industry; an attempt to develop a production and marketing program for Connecticut eggs. Storrs, 1924. 42 p. (Conn. Agr. col. Ext. serv. Bul. 79)

Some of the phases of the subject discussed are: relative importance of Connecticut egg industry, the problem of competition, differences in feed costs, labor costs, costs of land and buildings, freight costs, climatic advantages, Connecticut's location advantages, the cycle of increasing and decreasing profits, and marketing.

There are numerous tables and charts. These contain data such as the following: Distribution of egg production, United States, 1900, 1910, 1920 (chart); poultry feed costs, 1922, by states; total production of eggs, total number of hens, and yearly number of eggs per bird, 1920, by states; farm prices of eggs, 1918-1923, Connecticut, New York, Illinois, and Nebraska (chart and table); percentages which the farm price of eggs in certain states are of the Connecticut farm price; average yearly prices of different grades of Connecticut eggs on New Haven market, 1922 and 1923; number of eggs per hen per month are produced by members of Connecticut Home Egg Laying Contest; preference of consumers as to source of egg supply, and as to color of eggs; consumption of eggs per capita in Connecticut cities, March to August, September to February; charts showing prices; points of origin of carlot arrivals of eggs at Hartford and Waterbury 1917-1923; carlot arrivals of eggs on Bridgeport market, 1916-1923; prices of different grades of Connecticut eggs on four Connecticut markets, monthly, 1919-1923; average monthly prices of eggs on the New York market, 1919-1923; retail fresh egg prices per dozen, 1920-1923 and averages in various cities; freight and express rates; egg production per bird, feed cost per bird and per cent mortality in egg laying contests in United States; number and per cent of sales made to four classes of people at various figures under and above the average wholesale price paid on the Waterbury market for Connecticut new laid fancy eggs; etc.

75. Day, H. D. The co-operative marketing of eggs. (In Gt. Brit. Ministry of agr. and fisheries. Jour. v. 30, no. 11, Feb. 1924, p. 1023-1028) 10 C79J
The author describes the method of working, history and organization of the Stanford and District Co-operative Egg and Poultry Society, Ltd.
76. Day, H. D. The influence of winter and late summer egg production on profits. (In Gt. Brit. Ministry of agriculture and fisheries. Jour. v. 33, no. 3, June, 1926, p. 254-258) 10C79J
The author makes certain deductions arrived at after analyzing the weekly collections from the prices paid to members by the Stanford and District Co-operative Egg and Poultry Society, Ltd., 1924/25, the weekly output and prices from a flock of 131 pullets at the Midland Agricultural and Dairy College, 1924/25, and production figures from the Nottinghamshire County egg-laying trials, 1924/25.
77. Dougherty, J. E. Poultry raising in California. San Francisco, Californians, inc., 1923. 15 p. 47 D74
This pamphlet was issued by "a non-profit organization composed of men and institutions interested in the sound development of California." It discusses such things as climate, the poultry centers of the State, the importance of good farm land in regard to poultry success, capital required, the future of the industry, etc.
78. Dougherty, J. E., and Cossman, S. S. Brooding chicks artificially. Berkeley, 1923. 29 p. (California Agr. Exp. Sta. Circ. 271)
"Cost of brooding chicks by 10 day periods in units of two hundred fifty." - p. 8, table 1.
79. Dryden, James. Bootlegging eggs. (In Country Gentleman, v. 89, no. 7 Feb. 13, 1924, p. 6) 6 C833
A discussion of the Clairement method of processing eggs and the unscrupulous dealers who remove the oil and sell the eggs as fresh.
80. Dummeier, E. F. Cooperation in marketing Washington farm products. Pullman, 1925. 108 p. (Wash. Agr. Exp. Sta. Bul. 194)
"Following a general discussion of marketing functions and the possibilities of cooperative marketing, some of the accomplishments of cooperative associations in the State of Washington marketing egg and poultry products, dairy products, fruits and vegetables, and grain and hay are recounted. A number of federations are also described." - Exp. Sta. Record, v. 54, p. 687.
81. Dunlap, B. B., Critchfield, B. H., and Carroll, M. V. Adjusting production to meet home demands in Blair County, Pa. State College, 1924. 51 p. (Pa. Agr. Exp. Sta. Bul. 184)
In cooperation with the Bureau of Markets of the Pennsylvania State Department of Agriculture, Bureau of Agricultural Economics of the U. S. Department of Agriculture, Blair County Agricultural Extension Association, and others.
"This report presents the results of a food consumption survey of

Altoona, Pennsylvania, with special reference to the quantity consumed, sources of supply, manner of marketing, and methods of transportation. Coincidentally, a survey of the agricultural production of Blair County farms was made to show to what extent local producers were meeting the demands and how much readjustment was possible by farmers to produce profitably more of the commodities demanded." - p. 5.

Poultry products: p. 28-33. In addition to the text there are a map showing egg production in Blair County, 1922; tables showing sources of supply, total consumption, and methods of transportation of poultry products, Altoona District, 1922, and total number of hens, average number per farm, and total egg production by townships, Blair County, 1922; and charts showing sources of supply of Altoona's dressed poultry and eggs, 1922, and wholesale prices of eggs, Altoona, 1922-Sept. 1923.

82. Dunlap, R. W. Economic position of the poultry industry in relation to agriculture in the United States. Address ... before World's poultry congress, Ottawa, Canada - evening of July 27, 1927. [Washington, D. C., 1927] 7 p. Mimeographed. Press Release.
Among the subjects discussed are: growth of the industry; development of commercial egg farms and the baby chick industry; growth of trade in poultry products; prices; improvements in marketing; foreign competition; standardization; etc.
83. Eason, R. B. California poultry production. San Francisco, Pacific rural press, 1923. 175 p. 47 Ea7
"Literature": p. 172-173.
"The endeavor of this book is to describe and relate the improved poultry practices in California which are apparently giving the most profitable results." - p. iii.
Partial contents: Factors influencing profits in the poultry industry (p.9-16). - Feeding (feed cost per dozen given in certain feeding experiments), p. 60-85. - Marketing (p. 109-119). - Poultry records and accounts (p. 120-129).
84. Eggleston, E. H. American squab culture; a practical work on squab culture covering every phase of the raising, housing and marketing of squabs... 2d ed. rev. by the author. Warrenton, Mo., American pigeon journal company, 1921. 278 p.
Not available for examination.
85. Eggs and egg production in China. (In Chinese Economic Monthly, no. 10, July, 1924, p.11-16.) 269.1 C442
In addition to data in the text there are statistical tables which give the following information: number of chickens and ducks in China in 1917, 1918 and 1919; quantity of exports of fresh and preserved eggs, 1920, 1921, and 1922, by countries of destination and ports of origin; countries which consumed more than 10,000 piculs of egg products from China in 1919, 1920, 1921 and 1922; value of exports from China, 1921 and 1922 and from leading ports in 1922; and total quantity and value of exports of fresh eggs from Shanghai by countries of destination.

86. Elgin dairy report. Weekly prices of butter on all principal markets with monthly and yearly averages. Egg prices. Wisconsin cheese board, prices 1902-1920. Butter storage statistics, Fluid milk prices in Chicago-Elgin district. Other statistical information. Compiled by W. C. Willson, Editor of the Elgin dairy report. Elgin, Ill., 1921 [60 p.] 286.85 E182

New York and Chicago weekly egg prices are given for the years 1915-1920, inclusive. For 1917-1920 the prices are for "firsts." Monthly cold storage stocks of eggs are given for 1919 and 1920. Philadelphia weekly egg prices (firsts) are given for 1918-1920, inclusive.

There are earlier editions of this report which should be examined. The earliest one examined was published in 1893 and contains receipts and shipments of eggs at Chicago, monthly, 1891, and 1892.

87. Eliot, H. M. The farm hen pays well. East Lansing, 1922. (In Mich. Agr. Exp. Sta. Quarterly bul. v. 5, no. 1, Aug. 1922, p. 11-13)

Consists mainly of a table giving direct costs and enterprise yields and returns on 39 farms in Lenawee, Jackson and Shiawassee Counties, Michigan, for the year ending March 31, 1922.

Detailed figures for enterprise returns appear in an article by E. C. Foreman, entitled Protein Feeds Increase Egg Yields, p. 13-15.

88. Eliot, H. M. The farm poultry flock. A detailed report of the poultry enterprise on seventy farms in lower Michigan. East Lansing, 1923. (In Mich. Agr. Exp. Sta. Quarterly bul., v. 5, no. 4, May, 1923, p. 174-178)

The following data are tabulated: average yields, direct costs and returns per farm for poultry on 70 Michigan farms year ending March 31, 1922: number of hens, number of chicks raised, money yield, total direct costs, and returns for 5 flocks; returns less investment costs; investment in the poultry enterprise, with the farms grouped according to the size of flocks; and average returns over direct costs from a farm poultry flock of 100 hens, annually, 1909-1922 inclusive.

89. Embleton, Harry. Poultry in Arizona. Tucson, 1926. 20 p. (Ariz. Agr. Exp. Sta. Timely hints for farmers, 155)

Discusses poultry conditions in Arizona, classes of poultry, housing, feeding, artificial illumination, breeding, selection, culling, shipping eggs, marketing, methods of killing and dressing poultry, and capons and caponizing.

90. Falconer, J. I. Prices of Ohio farm products. Wooster, 1923, p. 101-143. (Ohio. Agr. Exp. Sta. Bul. 365)

The purpose of this bulletin is "to set forth some of the leading factors of interest to the Ohio farmer, which have to do with price changes and relationships,"

"Seasonal price of eggs": p. 110-112.

The section of table 10 which is on p. 131 shows the monthly

prices of eggs and chickens in Ohio, 1909-1921.

Index numbers of prices paid to producers of eggs and chickens in Ohio, yearly 1909-1921, and monthly during 1921 are given on p. 136.

91. Falconer, J. I. Prices of Ohio farm products. Wooster, 1925. (In Ohio, Agr. Exp. Sta. Bimonthly bul. v. 10, no. 8, Sept. - Oct. 1925, p. 156)
Includes a table which gives index numbers of prices of Ohio farm products, including eggs and chickens (1900-1914 = 100) for 1921, 1922, 1923, and 1924, with average, and for June and July, 1925.
92. Filley, H. C., and Boomer, G. R. Poultry industry in Nebraska. Lincoln, 1925. 22 p. (Neb. Univ. Agr. col. Ext. serv. Circ. 1418)
Subjects discussed are: Nebraska climate; cost of feed; places of poultry and egg consumption; egg production in the United States and in Nebraska; variation in production during the year; egg receipts at 5 markets; egg storage; prices; egg grades; suggestions for producing quality eggs; and marketing quality eggs.
Illustrated by tables, charts and maps. The following are especially noted: tables showing egg and chicken production per capita in high and low producing states; map showing egg production per capita in the various states; maps showing chickens in Nebraska, 1920, and egg production in Nebraska, 1919; tables showing percentage of the national egg crop production each month and percentage of crop produced each month by accredited poultry flocks in Thayer County, Nebr., Nov. 1921-Oct. 1924 (also chart for latter item); average receipts of eggs per month at 5 markets, Boston, New York, Philadelphia, Chicago, San Francisco, for 6 years, 1918-1923; table showing cold storage holdings of eggs, monthly, 1924; chart showing cold storage holdings of eggs in principal markets, January 1923-May, 1925; chart showing average farm price of eggs per dozen, 15th of month, United States, 1921-1923; table showing average price of eggs per dozen at Chicago and New York, monthly, 1921-1923; prices of eggs of different grades in New York City, Jan. 7, 1925.
93. Florida. Dept. of agriculture. Handbook for Florida poultrymen. Tallahassee, 1925. 206 p. (Its Quarterly bul. v. 35, no. 3, July 1925)
Partial contents: Poultry - a billion dollar crop, by Zella Wigent. - Advertising. - Records of Florida poultrymen. - Culling for egg production, by N. R. Mehrhof. - Poultry - a major industry of Florida, by E. W. Brown. - Turkey raising - the turkey industry of the United States, by Morley A. Jull. - Ducks vs. pullets - the egg producing ducks of England, by Herbert Howes. - Goose raising, by A. Lawrence Dean. - Feeding laying hens for highest egg production, by P. L. Fotsch. - Some causes of egg spoilage, by E. V. Jackson. - Dressing table poultry, by Frederic H. Stoneburn. - Directory of specialty clubs, with name and address of secretary. - List of poultry journals.

94. Florida. Dept. of agriculture. Rural home life in Florida. Tallahassee, 1927. 203 p. (Its Quarterly bul., Jan. 1927) 2 F66M
Home poultry, by Elcise McGriff: p. 199-203. On p. 203 there is a statement as to the average cost of producing a dozen eggs.
95. Foley, A. W. Successful poultry raising, 4th ed. Edmonton, 1921. 76 p. (Alberta. Dept. agr. Poultry bul. 3) 47.9 All
"This is a discussion of the opportunity for poultry raising in Alberta, with descriptions of poultry houses and directions for the management of commercial plants, the management of the flock, fattening, marketing, feeding for winter egg production, and preventing diseases. Notes on turkeys, ducks, and geese are included." - Exp. Sta. Record, v. 45, p. 474.
96. Fox, F. C. Electric lights and more eggs. New York, Domestic electric co., inc., 1920. [24p.] 47 F832
"Gives the facts about the new and interesting commercial method of artificially giving hens a longer day in winter, how, when and why to use lights, how to feed, and the results obtained."
Results are tabulated. Tables give feed costs, costs of light and other costs, value of eggs, etc.
97. Francis, P. A. Comparison of poultry keeping in Great Britain and America. (In Reliable Poultry Jour., v. 30, no. 12, Feb. 1924, p. 1195-1196, 1243, 1244, 1245, 1246) 47.8 R27
"Finds poultry population much lower in United States than in Great Britain - farm eggs in England regarded as superior in quality to those produced by specialists - cooperative marketing in U. S. expected to play important part in development of farm egg production resulting in competition which specialists may find difficult to meet - heavy stocking of land regarded as source of serious danger of intensive poultry plants."
98. Franklin, I. C. Effect of the war upon the cold storage industry. (In American warehousemen's association. Proc. 1919, p. 184-201; also in Ice and Refrigeration, v. 53, no. 1, Jan. 1920, p. 47-52, with title: Cold storage industry as affected by war) 297.9 Am32; 295.8 Ic2
Illustrated by maps showing space under refrigeration in packing houses and cold storage plants, Jan. 1, 1919; and by graphs showing cold storage holdings of frozen poultry, case eggs and other commodities for 1916 to 1920.
99. Funk, W. C., Weller, A. G., and others. Agricultural production and marketing in Atlantic County, New Jersey. New Brunswick, 1925. 39 p. (N. J. Agr. Exp. Sta. Bul. 416)
New Jersey agricultural experiment stations and the New Jersey Agricultural Extension Service cooperating with the United States Department of Agriculture, Bureau of Agricultural Economics.
This is a study of Atlantic County agriculture from the basis of future development. The Atlantic City market is described as

to its population, industries, transportation facilities, markets, live poultry market, stores, food consumption, etc. The agriculture of the county is then discussed with special regard to the present status and prospects of various commodities including poultry.

Table 3 shows total 1924, receipts of important farm products, including poultry and eggs, in Atlantic City, and quarterly receipts by types of carriers hauling goods. A map on p. 33 shows number of hens raised in the county for 1924.

100. Gordon, J. S. Marketing of eggs acts, 1924 and 1926 (Northern Ireland) (In Scottish Jour. of Agriculture, v. 10, no. 1, Jan. 1927, p. 1-7; also in Ct. Brit. Ministry of agriculture and fisheries. Jour. v. 34, no. 1, Apr. 1927, p. 25-32)

Gives a brief history of the events leading up to the passage of the acts, a discussion of the chief points of the acts, and a brief statement as to results.

101. Graham, J. C. Back yard poultry keeping. Boston, 1921. 40 p. (Mass. Dept. Agr. Dept. bul. 11)

"Revised from Department Circular no. 1."

Discusses profit or labor income, equipment, feeds and feeding, production and conservation of poultry feeds, poultry management, poultry hygiene, rearing of chicks and the preserving of eggs. On p. 7 there is a table which gives total number of 273 eggs produced, number of eggs per hen, value of eggs and poultry sold, cost, profit, and profit per hen, 1912, 1913, and 1914, with a small backyard flock of poultry.

102. Great Britain. Ministry of agriculture and fisheries. The importance and value of poultry feathers. (In its Jour., v. 30, no. 11, Feb. 1924, p. 1036-1039) 10 G79J

"A brief account is given of the method of marketing and grading poultry feathers, prices to be expected, and the imports into the United Kingdom by countries during 1913, 1920 and 1922." - Exp. Sta. Record, v. 51, p. 176.

103. Great Britain. Ministry of agriculture and fisheries. Report on egg marketing in England and Wales. London, H. M. Stationery office, 1926. 153 p. (Economic series, no. 10) 280.9 G792

Contents: Part I. A preliminary survey (supplies, prices, the problem in broad outline) - Part II. The quality points (internal condition, appearance, weight) - Part III. Preparation for sale (testing, grading, packages and pecking, stamping) - Part IV. Assembling the produce (the higgler, the dealer or country wholesaler) - Part V. Transportation (carriage by rail, road and parcel post) - Part VI. Distribution (importers, commission agents, and wholesalers; producer-retailer marketing; retail distribution; direct marketing; country markets; auctions; city markets; the London egg exchange) - Part VII. Conservation (pickling, processing, and cold storage) - Part VIII. Cooperation - Part IX. Conclusion.

In addition to tables in the text, tables I-X, pages 143-153,

give the following data: population in each county in England and Wales, and number of fowls on agricultural holdings; imports of eggs in shell during the years 1913, 1922, 1923 and 1924, with countries of origin; statement showing the approximate quantities and values of eggs in shell imported into the United Kingdom in 1913, 1923 and 1924, from each supplying country, expressed as percentages of the total imported (excluding Irish Free state); principal countries from which eggs not in shell were imported during 1924, showing quantities; origin of supplies customarily received at various ports in Great Britain and subsequent distribution; monthly arrivals from countries other than the Irish Free State of eggs in shell for the years 1912, 1913, 1922, 1923, and 1924; and of eggs not in shell for the years 1922, 1923, and 1924, expressed as a percentage of the total of each class of imports in those years; monthly arrivals of eggs in shell and not in shell for each month of 1924 from each supplying country, including the Irish Free State; average prices of 1st quality British eggs per 120 for each month from Jan. 1910 to Nov. 1925; and weekly average prices of 1st quality eggs (per 120) at London, Bristol and Liverpool during 1924.

104. Great Britain. Ministry of agriculture and fisheries. Report on the marketing of poultry in England and Wales. London, H. M. Stationery off., 1926. 122 p. (Economic series no. 11) 280.9 G792

Contents: Part I. A preliminary survey (supplies, prices, the course of the trade). - Part II. Preparation for sale (conditioning or fattening, processing, grading, packages and packing, the marketing of by-products, note on the trade in table pigeons) - Part III. Assembling (collection, the country wholesaler, co-operation of producers.) - Part IV. Transportation (carriage by rail, road and post). - Part V. Distribution (importers, commission salesmen, wholesalers and commission buyers; producer-retailer marketing; retail distribution; direct marketing; markets). - Part VI. Conservation (cold-storage and processing). - Part VII. Conclusion.

In addition to the tables in the text, tables I-XII, pages 102-122, give the following data: Number of fowls, ducks, geese and turkeys per 100 acres of crops in each county in England and Wales in 1924; number of fowls, ducks, geese, and turkeys on agricultural holdings exceeding 1 acre in each county of England and Wales as returned on the 4th June, 1913, 1921 and 1924; total imports of poultry (alive and dead) into the United Kingdom during the years 1912 to 1925; volume and value of poultry (alive and dead) imported into the United Kingdom during the years 1913 and 1922 to 1925; approximate quantities and values of live and dead poultry imported into the United Kingdom in the years 1913 and 1922 to 1925 from each supplying country, expressed as percentages of the total imported, excluding Irish Free State; origin of supplies of live and dressed poultry customarily received at the principal ports in Great Britain, and subsequent distribution; monthly arrivals from countries other than the Irish Free State, of poultry (alive and dead) during the years 1913 and 1922 to 1925, expressed as a percentage of the total of each class of imports in those years; number of live

poultry imported during each month of the year 1925 into Great Britain and Northern Ireland from countries which have consigned live poultry to the total value of £ 100 and over, and in the case of dead poultry, 1,000 cwt. and over, and the percentage of the monthly imports to the annual imports in each case; average weekly prices of first and second quality dead poultry per pound during 1925, at Bristol, Liverpool, and London; quantity and value of imports of feathers, in or for beds, by countries, during the years 1920 to 1925; and quantity and value of exports of home-produce and imported feathers, in or for beds for the same years.

104a. Great Britain. Ministry of agriculture and fisheries. Departmental committee on distribution and prices of agricultural produce. Interim and final reports. London, H. M. Stationery off., 1924. 5 v. in 1. 280.3 G793A

Part 3 is Meat, Poultry and Eggs. Pages 103-133 contain the report on poultry and eggs, which has the following sections: production and consumption; method of marketing and distribution; costs of marketing and distribution; preparation for market; packages; and co-operation of producers. Statistical tables give the following data: numbers of fowls, ducks, geese, and turkeys on holdings of over one acre in England, Wales, Scotland, and Great Britain in 1908, 1913, and 1921; quantity of eggs imported into the United Kingdom in 1913, 1918 and 1922 by countries of origin; imports of live and dead poultry into the United Kingdom in 1913, 1918 and 1922; price per dozen for eggs in Cardiganshire and other Welsh counties where higglers buy the eggs, July to Sept. 1922, Oct. to Dec. 1922, Jan. to March, 1923; April to June, 1923; also price for the same periods in Anglesey and Glamorgan.

105. Hall, D. H. Poultry raising in South Carolina. Clemson College, S. C., 1926. 45 p. (Clemson agr. col. Ext. serv. Bul. 73)

Preparing for market: p. 36-38.

Marketing eggs (includes the grades "set forth by the New York Mercantile Exchange.") p. 38-39.

Perservation of eggs: p. 39-41.

106. Hall, Noel. Turkey raising in Missouri. Mountain Grove, 1925. 24 p. (Mo. State poultry exp. sta. Bul. 37)

Number and value of turkeys in Missouri, and number in United States and Texas: p. 5.

Marketing: p. 17-18.

107. Halpin, J. C., and Lampman, C. E. What the poultry market wants. Madison, 1926. 16 p. (Wis. Univ. Col. agr. Ext. serv. Circ. 197)

Gives suggestions as to suitable breeds, discusses color of skin, age as influencing quality, fattening poultry for market, killing for market, marketing methods, classes of market poultry, and the selling of surplus stock.

108. Hayden, P. A. Poultry meat production. New Brunswick, 1923. 4 p. (N.J. Agr. Exp. Sta. Hints to poultrymen, v. 11, no. 8, May, 1923)
Discusses size and quality, fattening and killing, the selling of live birds, and classes of market poultry.
There is one table which is a "comparative summary of data on growing March-hatched Burlington County Jersey black giant capons and pullets per individual for the first thirty weeks." Includes cost of various feeds, cost of feed per pound of gain in weight, and return above feed cost.
109. Hazard, F. A. Profitable pigeon breeding; a practical manual explaining how to breed pigeons successfully - whether as a hobby or as an exclusive business. Warrenton, Mo., American pigeon journal company, 1922. 236 p. 47.2 H33
"Preparing squabs for market:" p. 112-116.
110. Hedgecoe, A. R. Egg packs and methods of packing for storage. (In Jour. of Agriculture and Horticulture (Quebec), v. 30, no. 5, Nov. 1926, p. 68)
Given "before the Macdonald College Short Course."
111. Henderson, G., and Henderson, F. Poultry keeping on a small farm in Oxfordshire. (In Ct. Brit. Ministry of agriculture and fisheries. Jour. v. 34, no. 4, July 1927, p. 354-361) 10 G79J
This is an account of a small farm of 85 acres. In addition to other details, the cost of rearing "spring" chickens and a description of the marketing of the chickens are given.
112. Herner, M. C. Egg production as affected by climate. (In Canada. Dept. agr. Agricultural Gazette of Canada, v. 8, no. 4, July-Aug. 1921, p. 446-447) 7 C16 G
This is a section of an article on the Poultry Husbandry Department of the Manitoba Agricultural College. It is a short comparison of the monthly egg production for 1919/20 of an equal number of white leshorn pullets at the North Carolina Agricultural College and the Manitoba College.
113. Hervey, G. W. Egg prices and cold storage holdings. New Brunswick, 1923. 4 p. (N. J. Agr. Exp. Sta. Hints to Poultrymen, v. 11, no. 10, July, 1923)
"The interrelationship that existed between temperature at New Brunswick, N. J., cold storage holdings, and top wholesale prices on white eggs in New York has been worked out for the 4-year period, November, 1918, to October 1922, in order to obtain an approximate indication of the relation between temperature and the factors of price and storage. A summary of the data is presented graphically in three figures." - Exp. Sta. Record, v. 49, p. 794.

114. Hervey, G. W., and Platt, C. S. The present outlook for the poultry man. New Brunswick, 1925. 4 p. (N. J. Agr. Exp. Sta. Hints to poultrymen, v. 13, no. 5, Feb. 1925).
"A popular discussion of the relation of feed prices to egg production, with comparisons for the preceding years." - Exp. Sta. Record, v. 52, p. 676.
115. Hodges, R. F. F. Egg production in the home country. London and Aberystwyth, Blundell-Smith and Davies [1925] 47 H66
"Costs, profits and accounts:" p. 48-50.
116. Illinois. Dept. of agriculture. Division of foods and markets. Illinois egg law in force July 1, 1919 and rules and regulations in force May 1, 1920. Chicago, 1920. 21 p.
Not examined.
117. Illinois. University. College of agriculture. Dept. of farm organization and management. Cost of producing farm products on 18 farms in Knox and Warren counties, 1924. Prepared by H. C. M. Case and C. A. Bonnen. Urbana [192-?] 39p. Mimeographed.
281 I16C
In cooperation with the U. S. Dept. of Agriculture.
Poultry costs: p. 33-35. There are two tables which give detailed items of expense and income on individual farms compared with the average of 16 farms.
118. Interstate poultry school. Interstate poultry school course. New York, United Y. M. C. A. schools, Extension division [1920] 17 v. 47 In84
Partial contents: Lesson 1, Section 1, Discussion of poultry business. - Lesson 7, Section 1, Artificial lights for poultry. - Lesson 8, Section 1, Advertising. - Lesson 8, Section 2, Buying and selling. - Lesson 9, Section 1. Where to locate. - Lesson 9, Section 2. Planning a poultry farm. - Lesson 10, Section 1, Poultry costs.
119. Iowa. Laws, statutes, etc. Act to amend chapter 151 of the code, relating to the production and sale of eggs. (Chap. 64, Acts 1927)
Not examined.
120. Irish Free State. Laws, statutes, etc. Agricultural produce (eggs) act, 1924. Eason, 1924. 35 p. (No. 35)
Text in both English and Gaelic.
Not examined.
121. Ivatts, H. E. Egg-laying competitions. - Their relation to the industry of egg production. (In Highland and agricultural society of Scotland. Transactions, v. 33, series 5, 1921, p. 230-243) 10 H536
"The author discusses the magnitude of the poultry industry, and shows how egg-laying tests have helped to improve the poultry by acting as an incentive to careful breeders." - Exp. Sta. Record, v. 46, p. 770.

122. Jackson, H. W., comp. Successful back-yard poultry keeping; an authoritative guide to success in poultry keeping by intensive methods - practical details of management for those who are keeping fowls in limited space, whether to supply eggs and poultry for the family table or as a source of income. Quincy, Ill., Reliable poultry journal publishing company, 1920. 103p. 47 J12S
Partial contents: Advantages in back-yard poultry keeping and how to start (p. 7-13); Reports from successful small-flock owners (p. 14-18); The back-yard' poultry plant as a source of profit (p.19-21); Helpful reports from money-making flocks (p.22-28); Profitable markets for surplus poultry products - Marketing eggs successfully at retail by parcel post, by Harold W. Gould - Marketing table fowls (p. 69-74); How artificial light increases winter production (p. 91-94).
123. Jenkins, M. K., and others. Effects of cold storage on shell eggs. (In Ice and Refrigeration, v. 58, no. 3, Mar. 1920, p. 140-147) 295.8 Ic2
"Presents general physical, bacteriological and chemical data pertaining to the preservation of eggs in commercial cold storage rooms held at temperatures of 29° to 32°F."
124. Jensen, W. C. Farming for profits. Anderson and similar areas of South Carolina. Clemson College, 1926. 69 p. (S. C. Agr. Exp. Sta. Bul. 230)
Clemson Agricultural College, South Carolina Agricultural Experiment Station in co-operation with U. S. Dept. of Agriculture, Bureau of Agricultural Economics.
"This bulletin is based upon surveys made by the station from 1922 to 1925, inclusive, to determine the most economic farm organizations and practices in Anderson County, S.C., and a study made by the Office of Farm Management, U.S.D.A., in the same area in 1914." - Exp. Sta. Record, v. 56, p. 286.
The following data are given for poultry: number of poultry in Anderson County, 1880, 1900, 1910, 1920 and 1925 (p. 13); number of chickens per mule on average farms, 1914, 1924, and 1925, and on best farms 1914, 1922, 1924 and 1925, in the Anderson area (p. 17); quantity and value of eggs and chickens necessary for a farm family annually in the Anderson area (p. 22); and "some data in the appendix which consists of tables based on our research work which bear out the different points in the text of this bulletin, and is arranged under the same headings."
125. Jensen, W. C. Price economics of what farmers sell. Clemson College, 1926. 96 p. (S.C. Agr. Exp. Sta. Bul. 226)
"This bulletin gives the prices of the principal farm commodities in South Carolina and the United States for a sufficient length of time to indicate trends and cycles." - Foreword.
Tables 41-44, p. 29-30, show the prices paid to farmers for chickens and eggs in the United States and South Carolina, monthly average 1910-1914, and monthly, Jan. 1910-April, 1925. Tables 79-82, p. 48-49, contain index numbers of prices paid to farmers for poultry and eggs in the United States and South Carolina, monthly Jan.

1910-April 1925. Tables 117-120, p. 67-68, give purchasing power of the same for the same months.

126. Jesness, O. B. The cooperative marketing of farm products. Philadelphia and London, J. B. Lippincott co., 1923. 292 p. (Lippincott's farm manuals) 280.3 J49

Bibliography: p. 280-283.

"This volume aims to point out the fundamental principles of cooperative marketing among farmers; to indicate, by reference to typical instances, what is being accomplished in the handling of various farm commodities, and to discuss methods and forms of organization, financing, incorporation, position under anti-trust laws and related question." - Preface.

Coöperative marketing of poultry and eggs; Chapter X, p. 136-148. In this chapter are discussed the importance of the poultry industry, the reason for coöperative selling, coöperative egg marketing in Denmark, the community egg circle, coöperative egg selling on the Pacific coast, Poultry Producers of Central California, Inc., Poultry Producers of Southern California, Inc., The Pacific Coöperative Poultry Producers, poultry organization in New Jersey, Pacific egg producers, the marketing of poultry, and poultry organization in the Middle West.

127. Johnson, E. C. The Minnesota plan for marketing eggs and poultry. University Farm, St. Paul, 1924. 16 p. (Minn. Univ. Col. agr. Agr. ext. div. Special bul. 86)

An account of the origin, purposes and advantages of the Minnesota plan for the co-operative marketing of eggs and poultry. On pages 9-16 there are copies of the standard articles of incorporation and the by-laws which are being used.

128. Johnson, O. R., and Frame, B. H. The cost and income of the farm poultry flock. Columbia, 1924. 20 p. (Mo. Agr. Exp. Sta. Bul. 219)

"This report deals with the poultry enterprise on the farms cooperating with the rural life department of the Missouri Agricultural Experiment Station in keeping complete farm records. The data include the years 1912 to 1922 inclusive. It shows first, the cost of keeping the poultry flock including labor, feed, cash, and distributed costs. It also gives the portion of the cost of the ration made up of various feeds. Then is shown the cost of keeping a hen each year for eleven years and the average total cost of keep. Lastly a comparison is made of costs and income from different sized flocks." - p.3.

129. Jones, H. I., and DuBois, Robert. The preservation of eggs including a bibliography of the subject. (In Jour. Industrial and Engineering Chemistry, v. 12, no. 8, Aug. 1920, p. 751-757) 381 J825

"This article, which includes a long bibliography, briefly explains the various methods which have been used for preserving eggs, such as cold storage, packing in air-tight substances, coating with impervious agents, and storing in solutions." - Exp. Sta. Record, v. 46, p. 876.

130. Jones, J. M. The poultry industry of Wales. A survey of stocks, methods and prices ... Agricultural economics department, University college of Wales, Aberystwyth. Shrewsbury, Walker, printer, 1925, 49 p. 47 J71

Contents: Introduction. - Changes in poultry stocks, 1908 - 1924. - Egg yield of Welsh poultry. - Supplies and prices of eggs. - Imports of eggs and influence on prices. - Marketing methods. - Production and consumption of eggs. - Appendix.

The following data are tabulated: Distribution of poultry per 100 acres of land surface, England and Wales, 1908, 1913, 1921, and 1924; fowls per 100 acres of cultivated land, 1913, 1921, and 1924; increase in arable area and decrease in fowl stocks, 1913 and 1921; proportion of total stocks of birds hatched before 1924; estimates of egg yields of each class of poultry; monthly average egg prices in four Welsh towns, 1913, 1923, and 1924; imports of eggs into the United Kingdom, monthly and annual 1913 and 1924; gross imports of eggs into the United Kingdom and percentage from certain countries 1920, 1921, 1922, 1923, and 1924; cost of food and price of eggs in various periods of the year (Clamorgan egg laying trials). There are also 6 graphs.

131. Jones, L. J. Layout of a 5-acre poultry farm. Lafayette, 1922. 8 p. (Furdue univ. Dept. agr. ext. Ext. bul. 113)

Also in American Poultry Journal, v. 54, Jan. 1923, p. 16-.

132. Jones, W. D., and Wilbur, C. W. Increasing poultry profits; an analysis of factors influencing profits as shown by records kept on Maine farms. Orono, 1925. 47 p. (Me. Univ. Col. agr. Ext. serv. Bul. 154)

Records cover the period from Nov. 1, 1921 to Oct. 31, 1924, and results determined from the records are shown on a per hen basis.

Reports of results are grouped under the following headings: labor return per hen, costs and returns per hen; flock replacement; monthly production and average price; factors which influence egg production and labor return; pullets pay better than old hens; pullets eggs average higher price; producing good pullets; when should pullets be hatched, brooding the chicks; developing the pullets; hens lay better in open front house; large pens pay best; convenient arrangement saves labor; does it pay to feed sparingly; feeding chart; keeping the flock healthy; culling increased average production; artificial lighting; which is the best breed; number of hens per farm and labor returns; method of marketing eggs; broilers; roasters, or capons; shipping alive or dressed; records and accounts good guides; and possibilities of poultry in Maine.

There are tables to illustrate many of these items. Some of these are: Costs and returns as shown by 542 yearly records on Maine flocks, Nov. 1, 1921-Oct. 31, 1924 (p. 8); Comparison of monthly production and average price (p.10); Effect of method of marketing on price received (p.41); Cost of marketing per pound pen weight, Boston market (p. 43).

133. Jull, M. A. Canadian farm poultry. [Ste. Anne de Bellevue, Quebec] Macdonald college (McGill university) 1920. 94 p. 47 J94C
Chapters deal with breeds, selection of layers, breeding for egg production, production of hatching eggs, shipping hatching eggs, incubation, shipping chicks, brooding, rearing, feeding, marketing (live and dressed poultry, live and dressed poultry classes and grades) marketing eggs, grading preserving eggs, and hygiene and sanitation.
134. Jull, M. A. Efficiency in marketing eggs (In Quebec. Dept. agr. Jour. of agriculture and horticulture, v. 25, no. 11, May 1, 1922, p. 153)
An account of the Poultry Producers of Central California, Incorporated, and the New Jersey Poultry Producers' Association, "Organized for the exclusive purpose of marketing eggs efficiently."
135. Jull, M. A. Farm poultry raising. Washington [1927] 27 p. (U. S. Dept. agr. Farmers' Bul. 1524)
Supersedes Farmers' Bulletin 287, Poultry Management, by G. A. Bell.
The following subjects are discussed: the economic position of farm poultry; efficient marketing influences profits, size of flocks, breeds and breeding, classes and standard weights, breeding for egg production, producing hatching eggs, incubation, brooding, rearing, feeding market poultry, feeding, culling and housing laying stock, artificial lighting, preparing eggs and poultry for market, sanitation, and predatory pests.
136. Jull, M. A. Reducing waste in the poultry industry. (In Poultry, Garden and Farm Annual, 1925, p. 4, 7) 47 P869
The author discusses waste as occurring in the following: reproduction of the flock, egg production, marketing, and special management features.
137. Jull, M. A., and Lee, A. R. Turkey raising. Washington, 1924, 22 p. (U. S. Dept. agr. Farmers' bul. 1409)
This is a revision of and supersedes Farmers' Bulletin 791.
In addition to information on varieties, selection of breeds, management, diseases, etc., several pages are devoted to a brief survey of the industry, fattening of turkeys for the market, and marketing.
138. Jull, M. A. and others. The poultry industry. (In U. S. Dept. agr. Yearbook, 1924, p. 377-456; also published as Yearbook Separate 917)
"Poultry bulletins": p. 456.
The following phases of the industry are discussed: The uses of eggs and poultry products; eggs and poultry meat in the diet; historical development of the industry; the value of the poultry industry; geographic distribution of poultry production; the chicken industry; feed cost of raising chickens; feed cost of egg production, feed cost of fattening chickens; the problems of feeding,

breeding, and management; the turkey, goose, duck, guinea-fowl, pigeon, game-poultry industries; by-products and their uses (feathers and manure); diseases and sanitation; parasites; marketing poultry products; methods of handling eggs and poultry from the farm to the consumer; market distribution of poultry products; cold storage of poultry products; manufacture and use of frozen and dried eggs; grading eggs and poultry; cooperative marketing of eggs and poultry; prices; exports and imports of eggs; and the future of the industry. Illustrated by numerous tables, maps, graphs, and pictures.

139. Kansas. Agricultural experiment station. Director's report, 1924-1926. Manhattan, 1926.. 162 p.

A progress report on a study of the economics of the Poultry industry on Kansas farms is given on p. 27-28.

Other poultry experiments are reported on p. 103-113. Some of these are: A comparison of the feeding value of milo, cane, kafir, and mixed feed for poultry; The inheritance of egg production in single comb white leghorns; Poultry flock management; Effect of feeding white and yellow corn and supplementary feeds on egg production and hatchability; The effect of an inadequate ration on the production and hatchability of eggs; Vitamin content of feed and the use of light in relation to immunity to roup and the production and hatchability of eggs; Results of some experiments are given in tabular form.

140. Kaupp, B. F. Egg and live poultry markets before and after the war. (In Poultry Item, v. 23, no. 2, Dec. 1920, p. 6,7) 47.8 P8625

"Charts are presented showing the monthly prices of eggs and broilers in North Carolina during 1915 and 1919." - Exp. Sta. Record, v. 44, p. 371.

141. Kaupp, B. F. The essentials of poultry raising; a text book for vocational agricultural schools. Richmond, Va., B. F. Johnson publishing co. [1920] 136 p. 47 K16E

Candling and grading market eggs: p. 75-81.

Fattening poultry and shipping poultry products: p. 102-105.

Poultry as an important enterprise on the farm: p. 116-120.

142. Kaupp, B. F. Operation of a four unit farm poultry plant. Raleigh, 1927. 23 p. (N. C. Agr. Exp. Sta. Bul. 251)

"The results given in this bulletin cover the operation of a 200-hen flock of Single Comb Rhode Island Red poultry at the Coastal Plain Experiment Station located in Pender County near Willard. The bulletin shows the possibilities for poultry on the average North Carolina farm."

Numerous tables summarize the results. They show production, feed, cost and returns, monthly, 1925/26 including summary tables for the meat meal and the milk flocks; cost of putting pullets into lay, meat meal and milk tests; fattening results; amount received for chicks sold; costs and sales on a lot of chicks hatched

Jan. 11, 1926; natural incubation and brooding tests; cost, sales and profits of storing eggs; and financial statement of entire operation, 1925/26.

143. Kaupp, B. F. Poultry culture, sanitation and hygiene. 3d ed. thoroughly rev. Philadelphia and London, W. B. Saunders company, 1924. 663 p. J. C.

Partial contents: The magnitude of the poultry industry: p. 17-20. - Killing, cooling, packing and shipping squabs, p. 181-182. - Prices of breeders and market squabs, p. 182. - Shipping live poultry, p. 422-423. - Broilers and dressing of fowl, p. 424-454. - The care and marketing of feathers, p. 455-459. - Selecting eggs for hatching, p. 463-470. - Marketing eggs, p. 532-583. - Preparing birds for the show-room, p. 591-595. - Poultry business management, p. 596-643.

144. Kellar, Henry, jr. New York city egg prices and what they mean to the poultry raisers of New Jersey. New Brunswick, 1923. 4 p. (N. J. Agr. Exp. Sta. Hints to poultrymen, v. 11, no. 6, Mar., 1923)

"Address delivered before the annual meeting of the New Jersey State Poultry Association at Trenton, N. J., January 19, 1925."

145. Kennedy, E. E., comp. Iowa. The Corn Belt committee estimate of the average production costs of farm products for the state of Iowa... Submitted by the "Committee to ascertain costs of production." Milo Reno, chairman. [1925?] 9 p. Mimeographed. Pam. Coll.

In a table "Schedule of average income from an average 160-acre Iowa farm" chickens, hens and eggs are included. Average cost of production figures are given for chickens, eggs, corn, etc.

146. Kennedy, E. E., comp. North Dakota. The Corn Belt committee's estimate of the productive cost of farm products for the state of North Dakota... Submitted by Milo Reno, chairman of the "Committee to ascertain cost of production." [1925?] 9 p. Typewritten. Pam. Coll.

Chickens, hens and eggs are included in a table "Operating Income for the average 452 acre North Dakota farm."

Cost of production figures are given for chickens, eggs, wheat, etc.

147. Kentucky. Agricultural experiment station. Annual report, 39th, 1926, pt. 1, Lexington, 1927. 36 p.

On pages 11 and 12 there is a report on a poultry and egg marketing project which has been completed and results of which are being compiled. Progress reports of this project are given in the 1924 and 1925 reports.

148. Kentucky. Laws, statutes, etc. Act to promote the production of better eggs in Kentucky by regulating the traffic in eggs to prevent fraud and misrepresentation in dealing in eggs, to prevent the sale

of eggs unfit for human food, and to fix penalties for violation of the provisions thereof. (Ch. 72, Acts 1922)
Not examined.

149. King, A. L. Capons for money; a study of capons and caponizing from all points of view - profit, hobby and research. [Chicago, Printed by Herschman & Cardy] 1923. 39 p. L.C.
Dressing capons; fattening capons: p. 28.
Feeding capons for profit: p. 35.
Marketing capons: p. 36.
150. Lackie, H. M. Cooperative egg selling. Madison, 1922. 29 p.
(Wis. Dept. markets. Bul. v. 3, no. 5, Aug. 31, 1922) 280.79 W75B
Includes also forms of articles of incorporation and by-laws for a cooperative egg marketing association, a contract of purchase and sale, constitution and by-laws for a shipping association, a marketing agreement, and discussions of quality, handling and shipping, grading and packing.
151. Lamon, H. M., and Kinghorne, J. W. Practical poultry production. St. Paul, Minn., Webb publishing co., 1920. 365 p. 47 L19Pr
"References" at end of chapters.
This is a text book written for the student and the poultry keeper.
Chapter I, pages 11-21, deal with the poultry industry; chapter XII, pages 198-222, is on feeding for egg production; chapter XVI, pages 278-304, deals with the marketing of poultry and eggs; chapter XVII, pages 305-319, deals with the organization of clubs; and chapter XVIII, pages 320-334, is on business management.
152. Lamon, H. M., and Slocum, F. F. Ducks and geese. N.Y., Orange Judd publishing company; London, Kegan Paul, Trench, Trübner & co., limited, 1922. 231 p. 47.1 L19.
Chapters I, p. 3-8, deals with the extent of the duck industry, different types of duck raising, opportunities for duck raising, prices for breeding stock, and ducks for ornamental purposes.
Paragraph on packing and shipping hatching duck eggs: p. 40-41.
Chapter III, p. 42-54, deals with the location of a commercial duck farm and the capital and the equipment needed in starting the farm.
Chapter VII, p. 102-119 deals with the marketing of ducks and duck eggs. There are also several paragraphs on the prices and uses of duck feathers.
Chapter IX, p. 141-146 deals with the extent of the goose industry, opportunities for goose raising, goose raising as a business for farm women, and the objection to geese.
On pages 162 and 163 there are two paragraphs on the packing and shipping of hatching eggs and prices for breeding stock.
Chapter XIV, p. 187-213, deals with the fattening and marketing of geese, with about two pages on feathers.

153. Lamon, H. M., and Slocum, R. R. Turkey raising. New York, Orange Judd publishing co., London, Kegan Paul, Trench, Trübner & co., ltd., 1922. 151 p. 47.3 L19
Chapters deal with the following subjects: history, extent of the industry and opportunities; varieties, mating and showing; management of the breeding stock, incubation of turkey eggs; brooding and rearing the young stock; marketing; insect pests; diseases and predatory animals.
There is an index on p. 147-151.
154. Lay, O. T. Temperature and relative humidity in cold storage plants for eggs and candy. (In U. S. Dept. agr. Weather bureau. Monthly weather review, v. 48, no. 12, Dec. 1920, p. 713-714)
"An account of the writer's experience in an investigation of aqueous vapor in its relation to certain cold storage problems."
155. Lee, A. R. Goose raising. Washington [issued 1921, rev. 1922] 22 p. (U. S. Dept. agr. Farmers' bul. 767)
"Publications of United States Department of Agriculture relating to poultry raising and egg production." - p. 22.
Deals with production, breeds, breeding, houses, selecting and mating, incubation, care of breeding geese, feeding, and preparing for market (noodling geese, plucking live geese).
156. Lee, A. R. Squab raising [Issued Sept. 13, 1915; rev. 1924] [Washington, 1924] 16 p. (U. S. Dept. agr. Farmers' bul. 684)
Marketing the squabs: p. 12-14.
157. Lee, A. R., and Haynes, Sheppard. Duck raising [Issued Dec. 31, 1915, slightly rev. April 1917, rev. Jan. 1923] Washington, 1923. 22 p. (U. S. Dept. agr. Farmers' bul. 697)
"Publications of the United States Department of Agriculture relating to poultry raising and egg production": p. 21.
Deals with the number of ducks in the United States, breeds, duck farming, selecting and mating, incubation, brooding, methods of feeding, preparing ducks for market, and marketing duck's eggs.
158. Lee, A. R., and Haynes, Sheppard. Poultry accounts. Washington, 1924. 6 p. (U. S. Dept. agr. Farmers' bul. 1427)
"This bulletin gives a simple system of keeping poultry accounts adapted either for a small flock or for a large poultry farm. Combined with this system of accounting is a detailed statement of expenditures and receipts and an inventory of the necessary equipment for operating a 1,500-hen commercial poultry farm ... [It] is a revision of Bureau of Animal Industry Circular 176, A System of Poultry Accounting." - p. II.
159. Lewis, H. R. Productive poultry husbandry; a complete text dealing with the principles and practices involved in the management of poultry. 5th ed. rev. and enl. Philadelphia and London, J. B. Lippincott company [1923] 584 p. 47 L582P

"Miscellaneous bibliography": p. 561

"Offers to the student and teacher of poultry husbandry a complete, concise, systematic course of lessons, commencing with a brief introduction outlining methods of teaching poultry husbandry. The main text opens with a discussion of poultry farming, its opportunities and requirements, the types and systems, methods of starting in the business and an analysis of foreign poultry conditions. The breeds of poultry are classified, and their uses given; methods of management are recommended, including housing, feeding, breeding, and all phases of hatching and rearing.

"Every phase of marketing is analyzed and improved methods are recommended. Suggestions are given on the subject of exhibiting, judging, advertising and the keeping of records." - Preface.

The 1926 edition of this book was not available for examination. There is a detailed index on p. 570-584.

160. Libby, R. A. An analysis of the Boston retail prices of potatoes, onions, lettuce, butter and eggs. Boston, Mass. May, 1925. 57 p. Typewritten. 1.9 Ex7Rb

Prepared under the direction of Jesse W. Tapp of the U. S. Bureau of Agricultural Economics with the cooperation of the Mass. Dept. of Agriculture. Division of Markets. Copy in library of the U. S. Bureau of Agricultural Economics.

"This study is an examination of the retail price of various food products sold in Greater Boston during the last two seasons of their sale. The purpose is to analyse the retail price in as much detail as the data available will allow in order to show the portion of the retail price that went to those who perform the services necessary to get each product studied from the producer to the consumer. The portions are technically spoken of as Gross Margins, a knowledge of which is valuable to one who would examine our marketing system. The price in three retail stores, each representative of a type, has been taken as the starting point of the study." - p. 1.

"Eggs - nearby": p. 30-36. On page 32 there are 2 charts showing margins on nearby eggs, 1923 and 1924.

Tables on p. 51-53 show weekly average prices of nearby eggs received by the producer and wholesaler, paid by jobber, and received by retailer, for 1923 and 1924.

- 160a. Lininger, F. F. Egg marketing by farmers in Pennsylvania. A study of prices and costs by various methods of marketing. State College, 1927. 20 p. (Pa. Agr. Exp. Sta. Bul. 214)

The subjects treated in this study are: methods of marketing; price variations by methods of marketing; price variation in different sections of Pennsylvania; cost to farmers of marketing eggs; basic factors in costs to farmers of marketing eggs; and net prices received by farmers for eggs. There are numerous tables and two charts.

161. Lippincott, W. A. Poultry production. 4th ed., rev. Philadelphia, Lea & Febiger, 1927 602 p. 47 L66

"Literature": p. 573-592.

"The fourth edition of this book has been written in the hope that it would serve as an introduction to a study of the relation to poultry husbandry practice, of the several sciences underlying poultry production ... The material is largely that used by the author in courses taught at Iowa State College, Kansas State Agricultural College, and the University of California, during the last sixteen years." - Preface to the Fourth Edition.

Chapter I, p. 17-45 is on The Poultry Industry of the United States. Chapter XIII, p. 548-572, deals with the preparation of poultry products for market.

162. Lippincott, W. A. Progressive poultry raising. Chicago, Ill., Armour's livestock bureau, 1923. 80 p. 47 L66P

"References": p. 78-79.

Deals with the following subjects: History of American poultry production, breeds and breeding, the rearing of young chicks, feeding, diseases, turkeys, ducks, the poultry industry, poultry and egg prices, grades and classes of eggs and poultry, the seasonal trade in poultry products, and the import and export trade in eggs and poultry. Illustrated by tables, charts and pictures.

163. Lipscomb, J. N., and Byrd, H. A. Progress report on cost of production route in Choctaw County, Mississippi, in 1924. Agricultural College, 1925. 13 p. (Miss. Agr. Exp. Sta. Bul. 228)

In cooperation with the Bureau of Agricultural Economics, U. S. Dept. of Agriculture.

A table on p. 13, in addition to other items, gives cost per hen per year and cost of a dozen eggs.

164. Lloyd, E. A., Asmundson, V. S., and Skelton, R. J. Poultry farm survey; a report on sixty-five commercial poultry farms in the Lower Frazer Valley and Vancouver Island for the year ending December 31st, 1921, Vancouver [1922] 19 p. (British Columbia. Dept. agr. Circ. 41) 7 B77a

In order to determine how certain factors, such as capital invested, operating expenses, receipts, etc. make for profit or loss in poultry farming this survey was undertaken in the fall of 1921. Results are tabulated. Tables show the following: number of birds included in the survey; amount and distribution of investment on 65 poultry farms; distribution of investment in land and buildings; relation of total investment to profits; relation of number of fowls per flock to labor income; relation of size of flock to building investment, to proportion of investment in poultry, to equipment, to receipts, to expenses, and to labor expenses; relation of poultry receipts per bird to expenses; relation of proportion of pullets per flock to profits on 64 farms and to total investment; relation of area of farm to profits; and cost of pro-

duction of eggs. A chart shows relation of month of year to egg production and egg receipts.

For a later survey covering the years 1921-1925 see A Survey of Poultry Farms in British Columbia, 1921-25, by W. J. Riley, E. A. Lloyd and V. S. Asmundson.

165. Lloyd, W. A. A review of five years of fact organization and state and regional program making in the western states, and a report of the 1927 extension conference. Washington, 1927. 19 p. (U.S. Dept. agr. Misc. publication 8)

"This review, in slightly different form, was presented by the writer at the Western States Extension Conference, Reno, Nev., July 11, 1927."

Report of the committee on poultry: p. 14-19. The report discusses the recent trend and present condition of the poultry industry, and the outlook for the industry; outlines phases to be emphasized and extension program for specialized commercial poultry production; and gives recommendations for commercial sideline flocks and for farm flocks. It includes also the report of the subcommittee on poultry production. Among the phases of the work recommended to be emphasized are preparation of turkeys for market, the establishment of uniform grades, and more effective marketing methods.

166. Long, L. E., and Reynolds, H. W. Progress report on cost of production route in Choctaw County, Mississippi, 1925. Agricultural College, 1926. 23 p. (Miss. Agr. Exp. Sta. Bul. 237)

This report, the second of a three-year study was conducted in cooperation with the Bureau of Agricultural Economics of the U. S. Dept. of Agriculture.

Tables 17 and 18, p. 20 and 21, show the annual cost per hen, cost per dozen eggs, net profit per hen, and annual quantity expenditures per hen, arrayed on net profit per hen on 19 different farms, Choctaw County in 1925.

167. Love, George, and Chapman, C. W. Cold storage operating. (In Ice and Refrigeration, v. 66, no. 1, Jan. 1924, p. 40-41) 295.8 Ic2

Includes a description of a cold storage house operated by the authors. Gives degrees of temperature and humidity necessary in the storage of fruits, poultry and dairy products.

168. McCullough, A. C. Cooperative marketing of poultry on a pooled basis in Manitoba. (In Reliable Poultry Jour. v. 30, no. 10, Dec. 1923, p. 860, 861, 862, 863)

169. Maine. Dept. of agriculture. The packing and shipping of farm products Augusta, 1921. 37 p. (Its Bul. v. 20, no. 3, Sept. 1921)

Marketing eggs, by H. M. Tucker: p. 21-24.

170. Mehrhof, N. R. Poultry raising in South Carolina. Clemson College, 1922. 68 p. (Clemson Agr. col. Ext. bul. 53)
Fattening, killing and dressing: p. 46-53.
Marketing the poultry products: p. 53-54.
Preservation of eggs: p. 54-56.
171. Michener, A. M. Putting the poultry industry on a business basis. (In Commerce Monthly, v. 8, no. 1, May, 1926; p. 3-11) 286.8 C732E.
"Improved methods of production and merchandising are bringing the poultry industry into a new relationship with the business world. This development has added significance in the light of an annual output valued at close to a billion dollars."
172. Missouri. State poultry board. Yearbook & biennial report, 1924. Mountain Grove [1925?] 165 p. 47.9 M692P
Missouri poultry and egg facts by Jewell Mayes: p. 10-11. (Contains a table giving production and value of poultry and eggs in Missouri for the years 1920-1923)
173. Moran, T., and Piqué, J. The cold storage of eggs discussed in the light of Cambridge [England] investigations. (In Cold Storage and Produce Review, v. 28, no. 322, Jan. 1925, p. 9-11) 295.8 C672
Discusses consumption and price, time for storage, cleanliness, storage temperature, etc.
174. Moran, T., and Piqué, J. The storage of eggs. London, H. M. Stationery office, 1926. 80 p. 389.9 G792
"The report is not confined merely to the result of experiments; it includes also a critical account of commercial methods of handling and storing eggs which are now in use. Part I, which deals with commercial methods, is based on observations made in many commercial stores supplemented where necessary by laboratory experiments. Part II is confined entirely to laboratory work upon the effect of cold upon eggs, which was undertaken as part of a general investigation of the freezing of tissues. The results are of value on the practical side in fixing the temperature best suited to egg storage and in affording information as to the effect of temperature and storage upon the fertility of eggs."- Prefatory Note.
175. Mussehl, F. E. Graded eggs bring better prices. Lincoln, 1926. Rev. 10 p. (Nebr. Univ. Agr. col. Ext. serv. Ext. circ. 1411)
Discusses grades at the larger markets, factors influencing egg values, causes of egg deterioration, standards, packing market eggs, and direct shipments.
176. Mussehl, F. E. Turkey production. Lincoln, 1926. 19 p. (Nebr. Agr. Exp. Sta. Circ. 34)
Bibliography: p. 19.
Discusses incubation, feeding and brooding, feed requirements, artificial brooding, roosting sheds, marketing, breeds and breeding problems, and diseases and parasites.

177. National poultry, butter and egg association. Conference between representatives of the government and members of the National poultry, butter and egg association, held at the Sherman House, Chicago, Illinois, January 21, 1924. Samuel H. Morgan, court reporter and notary public, Chicago [1924] 275 p. Typewritten. 47 N212
Copy in Library, U. S. Bureau of Agricultural Economics.
The Chairman in his opening speech says "We are here primarily to co-operate with the Bureau of Agricultural Economics in its efforts to establish uniform standards, classes and grades for eggs for the entire country."
178. National poultry, butter and egg association. Handbook. Chicago, 1921. 40 p. 47.9 N215
Poultry grades: p. 18-21.
179. Nebraska. Laws, statutes, etc. Act to prohibit the sale of eggs unfit for human food and to provide a penalty for the violation of this act. (Ch. 2, Laws 1923)
Not examined.
- 179a. Nevada. University. College of agriculture. Extension division. Nevada's agriculture with special reference to the dairy and poultry industries. [Reno, 1927] 23 p. Mimeographed.
Poultry industry: p. 19-35. This section is mainly statistical and contains the following: tables and charts showing number of chickens on farms and egg production in Nevada, by counties, 1899, 1909, 1919, and 1924; a graph showing number of dozen eggs per chicken in Nevada, 1899, 1909, 1919, and 1924; tables showing relative laying in different months, by divisions of the United States and Western States; and seasonal marketing by sources, monthly, for the Eastern States, the Middle West, and the Pacific Coast.
180. New Jersey. Agricultural experiment station. Annual report, 1919/20. Trenton, 1920. 610 p.
Report of the Department of Poultry Husbandry: p. 101-140.
This is a report of research activities of the poultry department. The titles and objects of the projects are given, followed by a brief discussion of the progress of the work. A partial list of projects named follows: The improvement of poultry through the establishment of egg-laying and breed-testing stations; the improvement of poultry through the organization, aid and superintending of poultry exhibitions, including the provision for instruction in poultry raising and the offering of premiums; the influence of quality and quantity of rations upon egg production; the influence of artificial illumination upon egg production; poultry flock and farm management studies; methods of preparing, packing and shipping poultry and poultry products, together with a study of prevailing prices and causes of price fluctuations of the greater markets (accompanied by chart and graph).

181. New Jersey. Agricultural experiment station. Annual report, 1920/21. New Brunswick, 1921. 475p.
Report of the Department of poultry husbandry: p. 115-150. Includes reports of experiments dealing with the influence of ration upon production, influence of artificial light upon egg production; and investigations of the price variation of nearby white eggs on the New York market, and the wrapping of market eggs with tinfoil, etc.
182. New Jersey. Agricultural experiment station. Annual report, 1922/23. New Brunswick, 1924. 414 p.
Some of the investigations reported on briefly on pages 20-24 are: Methods of marketing live and dressed poultry in New York City (N.T.O. Kane); inter-relationship between temperature at the college farm, cold storage holdings in New York, and egg prices; and shipping eggs by parcel post (John Fogg).
On page 30 there is a statement that in cooperation with the Burlington County Board of Agriculture an investigation is being made of the capon industry in Burlington County.
183. New Mexico. Agricultural experiment station. Annual report, 37th 1925/26. State College, 1926. 62 p.
On p. 51-53 there is a report on an experiment to determine whether "cottonseed meal could economically be used as a source of protein in a laying mash and if so to what extent."
On p. 59-60 there is a short report on a study of "the present status of the El Paso and adjacent territory egg market."
184. New York (State) Dept. of agriculture and markets. Article 13-A of the Agriculture and markets law (chapter 48, Laws of 1922, as amended) relating to sale of eggs for food by grades or standards Albany, 1927, p. 105-107. (Its Circ.330)
185. New York (State) Dept. of agriculture and markets. Eggs. New York state retail grades and standards for eggs with rules and regulations, September, 1927. Albany, 1927. 9 p. (Its Circ. 345)
186. New York (State) Dept. of farms and markets. Division of agriculture. The Poultry industry in New York State. [Albany, 1920] 260 p. (Its Bul. 134)
This is a revision of Bulletin 65.
Partial contents: Breeding poultry for egg production, by James E. Rice. - Rearing Chickens, by L. M. Hurd. - Feeding for egg production, by Robert P. Trask. - Artificial illumination in relation to egg production. - Market egg problems, by Earl W. Benjamin. - Ducks, by Frances E. Wheeler. - Turkeys, by Frances E. Wheeler. - Domestic geese, by Sara A. Little. - Squab raising, by George L. Gillingham. - Guinea fowls, by B. J. Dodge. - Statistics.
The statistics given are from the 1910 Census and consist of the number and value of all kinds of poultry for each county of New York State.

187. New York (State) Dept. of farms and markets. Division of foods and markets. Egg marketing - the consumer's viewpoint. Albany, 1920. 40 p. (Its Foods and Markets, v. 2, no. 17, Jan., 1920)

"Egg marketing bibliography": p. 39.

"In this bulletin it is the aim to set forth certain phases of the egg-marketing problem which are of special interest and importance to the consumer." - p. 3.

Contents: Importance of the problem.- Characteristics of the egg supply. - Variations in egg quality. - Testing eggs for quality. - The marketing process. - Fraud in the sale of eggs. - The function of cold storage. - Home preservation of eggs.

188. North Carolina. Agricultural experiment station. Annual report, 49th, 1925/26. Raleigh, 1926. 77 p.

Some of the experiments given in the report of the poultry department, p. 70-77, are: the cost of putting pullets into laying (this is feed cost) and the commercial unit experiment. The latter experiment was made to determine the amount of feed necessary to produce a dozen eggs, production in the southern climate, and cost and returns. Progress reports on the first experiment are also given in earlier reports. The 1923/24 and 1924/25 reports also include reports of investigations of lights vs. no lights and the influence of climate upon egg production.

189. Northern Ireland. Commission on the natural and industrial resources. Report on the Northern Ireland egg industry. [n.p., 1924] 15 p. Mimeographed.

Conclusions reached and recommendations made after examination of witnesses are given in this report.

The appendices contain in addition to a list of the witnesses, statistical tables giving quantity and estimated value of eggs exported from all Ireland, Northern Ireland, and Belfast (figures are for the years 1904-1923, but they are not given for all three sections for those years); imports of shell eggs into the United Kingdom, by country of origin, 1919-1923; imports of eggs not in shell, yolk and liquid, albumen and dried, into the United Kingdom, 1919-1923 (quantity and value); value of eggs in shell and not in shell imported into the United Kingdom, 1919-1923.

190. Northern Ireland. Laws, statutes, etc. Act to make provision for the licensing of wholesale dealers in eggs, the registration of premises where eggs are preserved, the better testing, grading and packing of eggs, and the better prevention of the sale of eggs unfit for human food; and for other purposes connected therewith. (Ch. 15, Acts, 1924)

Not examined.

191. Oklahoma. Agricultural experiment station. New information for Oklahoma farmers. A biennial report ... 1922-1924. Stillwater [1925?] 38 p.

Poultry: p. 30-38. Among the reports made is one on the cost of growing Wandotte pullets to age of production.

192. Oldham, J. Cold storage of eggs. (In Ice and Cold Storage, v. 25, no. 290, May, 1922, p. 111-113; also in Refrigerating World, v. 57, no. 7, July, 1922, p. 23-24) 295.8 Ic22; 295.8 C67
Mainly a report of a paper entitled Notes on the Storage of Perishable Produce, with Special Reference to Eggs, by Mr. J. Oldham, presented at the meeting of the Cold Storage and Ice Association, April 10, 1922. Deals principally with the preservation of eggs and gives notes on temperature and humidity, air circulation, etc.
193. Ontario. Dept. of agriculture. Farm poultry. Toronto, 1922. 88 p. (Its Bul. 292) 101 On8B
"A revision of no. 247."
Partial contents: Egg production, p. 14-34. - Fattening chickens, p. 65-68. - Killing and dressing poultry, p. 69-74. - Poultry and eggs for market, p. 74-76. - Flavour of eggs, p. 76. - Standards for Canadian eggs, p. 77-79. - Candling eggs, p. 79-80.
194. Ontario. Dept. of agriculture. Statistics and publications branch. Ontario live stock and poultry. June 15, 1925. Toronto, Oct. 20, 1925. 1 p. Mimeographed. Pam. Coll.
This gives, in addition to livestock, the estimated numbers of turkeys, geese, ducks and other fowls, 6 months old and over, and under 6 months in the Province of Ontario for 1923, 1924 and 1925. Total number of poultry is also given.
195. Oregon. Dairy and food commissioner. Traffic in bad eggs. Portland, 1920. (In its Oregon Dairy and Food Bul. v. 8, no. 1, Jan. 1920, p. 1-2) 389.49 Cr3
Contains Regulation no. 29: Rules and regulations governing the collection, handling, storage and shipment of eggs.
196. Oregon. Laws, statutes, etc. Act to promote the development of the Oregon egg industry, to prohibit the sale of eggs unfit for human food, to prevent deception in the sale of eggs, to protect the consuming public in the matter of quality and weight of eggs and to encourage greater consumption thereof by regulating and standardizing the grading, classification and labeling of all eggs displayed for sale; providing penalties for the violation of the provisions of this act and repealing all acts and parts of acts in conflict herewith. (Ch. 246, Laws, 1925)
Not examined.
197. Osburn, William. Prairie farmer's poultry book; how to make the farm flock pay. Full information about feeding, management, disease, housing, marketing and other information that will help any farmer to increase his poultry profits. 1st ed. Chicago, Prairie farmer publishing company, 1922. 243 p. L.C.
"Preparing feathers for market": p. 76-77.
"From producer to consumer": Chap. XII, p. 153-162.

"The poultry account": Chap. XV, p. 194-204.

The appendix contains articles reprinted from *Prairie Farmer*. The following are the titles of some of the articles: When to market poultry; Poultry marketing experience; How one farm woman markets poultry.

198. Owen, I. I. A method of keeping poultry records and accounts. New Brunswick, 1921. 4 p. (*N. J. Agr. Exp. Sta. Hints to poultrymen*, v. 9, no. 4, Jan. 1921.)

"The importance of keeping records of egg production, feed consumption, selling prices of eggs, etc., is emphasized, and sample record blanks are given." - *Exp. Sta. Record*, v. 44, p. 675.

199. Paradise valley poultry ranch. Paradise valley poultry ranch, home of Paradise strain of marmoth bronze turkeys. National City, California, 1920. 48 p. 47 P21

"This booklet is issued with the hope that it will prove profitable to those interested in the breeding and raising of poultry." - Introduction.

Marketing turkeys, p. 17; Preparing geese for market, p. 23-24; Preparing ducks for market, p. 32; Marketing squabs, p. 43.

200. Parkhurst, R. T., and Sulerud, G. L. The poultry situation in Idaho. Moscow, 1927. 47 p. (*Idaho Agr. Exp. Sta. Bul.* 154)

This is "Part IV of a tentative report of the Agricultural situation, based on an economic survey of the production and marketing of Idaho farm products."

Contents: The national situation (geographical distribution, national and regional expansion). - The situation in Idaho (importance of the industry, production trends). - Factors of development in Idaho (feed situation, climatic conditions, production, production practices, poultry diseases, cooperation, grading and standardization, trend in egg prices). - Marketing Idaho poultry products (extent of carlot shipments, Idaho egg markets, dressed poultry markets, future markets, cooperative marketing). - The turkey industry. - Outlook: eggs and poultry (national outlook, state outlook, and the outlook in Idaho districts).

There are 25 tables and a number of charts for the various phases of the subject discussed.

201. Payne, I. F. Fattening and marketing poultry. Amherst, 1921. 4 p. (*Mass. Agr. col. Ext. serv. Ext. leaflet 11*)

Discusses why and how to fatten, pen and crate fattening, rations and method of feeding, and marketing live poultry and when to ship it.

Also gives a table which shows the results (including cost of marketing) of a number of shipments of live broilers from Amherst to Boston and Beverly.

202. Pennington, M. E. Effect of ventilation on the keeping qualities of eggs in cold storage. (In Marble Laboratory, inc. Storage investigations, 1921-1922. Canton, Pa. [1923?] p. 3-13) 295.9 M32
"In the experiment here discussed temperatures between 29° and 31°F. were maintained continuously."
203. Pennington, M. E. Studies of eggs in cold storage in relation to top layer. (In Ice and Refrigeration, v. 67, no. 3, Sept. 1924, p. 143-148) 295.8 Ic2
"Results of investigations showing the changes in weights of eggs and of packages. Conditions in storage warehouse more vital than minor modifications in the packages. Quality of eggs studied. Type of package used. Type of warehouse selected. Conduct of experiments."
204. Pennington, M. E., and Horne, G. A. Effect of storage conditions upon keeping quality of eggs. (In Ice and Refrigeration, v. 67, no 4, Oct. 1924, p. 217-223) 295.8 Ic2
"Results of investigations as to the relation of conditions in egg storage rooms to the flavor of the egg, development of mold, and loss of moisture from the egg, as presented in paper at fourth International Congress of Refrigeration."
205. Pennington, M. E., and Sherwood, C. M. The greening of poultry. (In Poultry Science, v. 1, no. 4, Apr.-May, 1922, p. 114-124) 47.8 Am33P
"Studies from the Bureau of Chemistry, U. S. D. A., are reported on the greening of poultry during storage." - Exp. Sta. Record, v. 47, p. 673.
206. Pennsylvania. Agricultural experiment station. Annual report, 39th 1925/26. State College, 1926. 47 p. (Its Bul. 204)
On p. 8 there is an account of a poultry marketing study which is being made by F. F. Lininger.
Poultry husbandry: p. 32-35. Among the projects reported are: the cost of raising a pullet from hatching time to maturity (M.H. Brightman); feasibility of winter broiler production (M.H. Brightman and P. H. Margolf, - costs and net returns are given)
The reports for 1923/24 and 1924/25 also contain progress reports on the investigation of the cost of raising a pullet.
207. Pennsylvania. Dept. of agriculture. Standard grades for farm products. Harrisburg, 1927. 30 p. (Its General bul. 450 - v. 10, no. 14, July 15, 1927)
"Regulation VII - Standard grades and classifications for poultry flocks, hatcheries, and baby chicks": p. 7-8.
208. Pennsylvania. State college. School of agriculture and experiment station. Summary of cost of production records in Lancaster County, 1921. n.d. 9 p. Mimeographed. 31.3 P38
Gives cost of producing various commodities including poultry, for the crop year 1921-22.

209. Philippine Islands. Dept. of commerce and communications. Bureau of commerce and industry. Egg industry of the Philippines. [Manila, 1925?] 5 p. Pam. Coll.

The theme of this short publication is that the Philippines are not self-supporting with regard to eggs but that they should be. The need for dealers, the United States as a market for eggs, the manufacture of dried eggs, egg factories in China, and how they raise eggs in China are discussed. The values of eggs imported into the Philippines for the years 1915-1924, and the values of eggs and egg products imported into the United States, yearly 1909-1921, are given.

210. Phillips, A. C. Marketing eggs in Indiana. Lafayette, 1923, 16 p. (Purdue University, Dept. agr. ext. Ext. bul. 120)

Discusses causes of losses, demands of the market, candling and exterior and interior quality of eggs, grades, method of selling, preparation for market and markets.

211. Phillips, W. D., and Albrecht, A. F. What the consumer should know about eggs. Albany, 1924. 68 p. (N.Y. (State) Dept. farms and markets. Agr. bul. 172)

Bibliography: p. 64-65.

"A popular account of the production, marketing, and storage of eggs, with special reference to the processes of primary interest to the consumer." - Exp. Sta. Record, v. 53, p. 376.

212. Pierce, W. C. The poultry and egg industry in Europe. Washington, 1926. 61 p. (U. S. Dept. agr. Bul. 1385)

"Eggs produced in the United States increased 331 per cent and chickens raised 440 per cent from June 1, 1880, to January 1, 1925, while the population increased but 125 per cent. With such rapid increases in the production of poultry products, the United States within a few years must be seeking additional foreign markets, and Europe seems to offer the most probable outlet for the surplus, particularly in dressed poultry. This bulletin describes the production and the commercial handling and marketing of poultry and eggs in the several countries of Europe and the demands and requirements that must be met to satisfy the European trade, especially that of England." - Exp. Sta. Record, v. 55, p. 234.

213. Platt, C. S. Producing market eggs of high quality. New Brunswick, 1925. 4 p. (N. J. Agr. Exp. Sta. Hints to poultrymen, v. 13, no. 11, Aug. 1925)

"Largely a discussion of the factors influencing quality in market eggs, with a classification of the New Jersey poultry farms producing poor quality and high quality eggs, including notations on differences in feeding and management." - Exp. Sta. Record, v. 53, p. 877.

214. Pope, J. D. Egg distribution in Alabama. (Preliminary report)

[Auburn, Ala., 1925?] 30 p. Typewritten. Pam. Coll.

Copy in Library of U. S. Bureau of Agricultural Economics.

Discusses egg production, shipping, prices, and marketing practices.

The following data are tabulated: number of flocks and number of hens per flock as reported by prospective members of Alabama Farm Bureau Cooperative Poultry Marketing Association (p.3); production of eggs as reported by 44 poultry producers, monthly, Sept. 1923-Aug. 1924, inclusive (p.4); receipts of eggs at Birmingham over L. & N.R.R. by states of origin, monthly, June 1923-May, 1924, inclusive (p.6); receipts of eggs for Mobile consumption, monthly Aug. 1923-Sept. 1924 (p.8); shipments of eggs within Alabama over L. & N.R.R., monthly, June 1923-May, 1924, inclusive (p.9); shipments of eggs out of Alabama, monthly, June 1923-July, 1924, inclusive (p.10); receipts of eggs at New York from Alabama, monthly, Jan.-July, 1924 (p.11); shipments into Mobile, monthly Sept. 1923-Aug. 1924, inclusive (p.12); prices paid to Alabama farmers, monthly Jan. 1910-Dec. 1924, inclusive (p.14); average prices paid to egg producers in 6 counties, monthly Sept. 1923-Aug. 1924, inclusive (p.16); comparison of average prices paid to producers with prices paid to all farmers (p.17) prices paid to producers in 6 counties, high, low and range, monthly, Sept. 1923-Aug. 1924, inclusive (p.19); relation of size of flock to price (p.20); seasonal variation of egg prices (p.21); wholesale Birmingham prices, monthly, Jan. 1910-Dec. 1924, inclusive (p.22); same for Mobile, monthly, May 1910-Dec. 1924, inclusive (p.23); and comparison of average prices paid to egg producers with city wholesale prices in Mobile and Birmingham (p. 25,26). Contains charts also.

215. Pope, J. D. Prices of farm products in Alabama. Auburn, 1926. 76 p. (Ala. Polytechnic institute, Ext. serv. Circ. 91)

"The purposes of this bulletin are (1) to furnish a series of prices paid to farmers in Alabama for their most important products, (2) to show the relationship of present prices to the pre-war level, and other significant price relationships, (3) to discuss briefly some of the more important factors which affect the prices of farm production in Alabama." - p. 4.

Eggs are among the products mentioned.

Tables 85 and 86, p. 75, give wholesale prices of fresh eggs, monthly, 1910-1925 and retail prices, monthly, Jan. 1913-Oct. 1925, at Birmingham.

216. Port of New York authority. Preliminary report of deputy manager on union terminal for live poultry trade. New York, May 5, 1927.

71 p. 280.3 P833 Pr

Part I deals with the kind of terminal facilities required by New York, part II with the advantages of centralized facilities, part III with the location of the terminal, and part IV consists

of descriptions of proposed sites for the poultry terminal. Conclusions and a summary of the report are found on p. 3, 5-7.

Tabular data given are as follows: livestock receipts at local commission markets and direct shipments of livestock to slaughter houses, 1924, 1925, and 1926 (p.23); recent wage adjustments for handlers of live poultry (p.28); live poultry monthly receipts by terminals 1925 and 1926 and for year 1924 (p.45); distribution of poultry buyers, 1926 (p.46); per cent distribution of purchases between terminals before and after the embargo (p.48); percentage of the total live poultry purchases made at railroad terminals in a 12 months period between May, 1925 and April, 1926 (p.50); and percentage of total live poultry purchases made at Pennsylvania Railroad terminal in April, 1926, compared with entire year ending April, 1926 (p.53).

217. Potts, R. C. Why standardize eggs? (In National Poultry, Butter and Egg Bul. v. 10, no. 11, Aug. 1926, p. 9, 36) 286.85 N212
218. Pound, G. H. The handling and packing of market eggs. New Brunswick, 1920. 4 p. (N.J. Agr. Exp. Sta. Hints to poultrymen, v. 9, no.3, Dec. 1920)
Practical directions are given.
219. Pound, G. H. High-quality market eggs: Producing, handling, packing. New Brunswick, 1921. 4 p. (N. J. Agr. Exp. Sta. Hints to poultrymen, v. 10, no. 2, Nov. 1921)
Practical suggestions are given for producing clean eggs and eggs with strong shells, cleaning dirty eggs, and grading and packing eggs.
220. Price, H. B., and Sprague, G. W. Co-operative egg and poultry assembling units in Minnesota. University Farm, St. Paul, 1927. (Minn. Agr. Exp. Sta. Bul. 233)
"The purpose of this study is primarily to discover the factors affecting their [the assembling units] efficiency, to determine the relative importance of the factors, and to point out, wherever possible, how greater efficiency may be secured." Results are grouped under the following subjects: production of eggs and poultry in Minnesota; marketing organization; problems of local egg and poultry marketing; co-operative organization; costs of operation (plant operation, assembling and general expense); accounting; and the Lake Region Egg and Poultry Association. Illustrated by tables, maps and charts.
221. Cuisenberry, T. E. The market poultry business. Kansas City, Mo., American poultry school, 1929. 62 p. (American school of poultry husbandry. Lessons nos. 30 and 31) 47 Am32L
Some of the subjects discussed are cost of production, income per state, middlemen, breeding, the waste in a broiler, classification of market poultry and market demands, poultry grades,

fattening and conditioning for the market, chilling, grading, packing, shipping and storage. There are also two signed articles; A knife for killing poultry, by H. C. Pierce; and Broilers, how to prepare them for market, by Wm. Winchorst.

222. Redfield, H. W. Examination of frozen egg products and interpretation of results. Washington, 1920. 96 p. (U. S. Dept. agr. Bul. 846)
"Consists of outlines of standard methods found suitable by the Bureau of Chemistry for the chemical and bacteriological examination of frozen egg products to determine the presence of decomposed material, and a demonstration that the methods selected give concordant results in the hands of different analysts and in the examination of material of given quality from diverse sources." - Exp. Sta. Record, v. 43, p. 414.
223. Rhoades, Ernest. Canada's egg standards. (In Canada. Dept. agr. Agricultural gazette of Canada, v. 10, no. 1, Jan. - Feb. 1923, p. 28-30) 7 C16G
224. Rice, E. C. The national standard squab book ... Cambridge, Mass., Murray printing co., 1924. 416 p. L.C.
There is a 1926 edition.
This book was "written to teach people, beginners mostly, not merely how to raise squabs but how to conduct a squab and pigeon business successfully." - Preface.
Includes chapters on killing and cooling, and the squab markets.
225. Rice, J. E., and Botsford, H. E. Practical poultry management. N. Y., John Wiley & sons; London, Chapman & Hall, limited. 1925. 506 p. (Wiley farm series) 47 R362
References at end of chapters.
This textbook deals with culling, principles of selection, housing, feeding, anatomy and physiology of the domestic fowl, artificial illumination, records, diseases, sanitation, preparation of eggs and poultry for market, breeding, hatching, formation of egg and chick, brooding, ceponizing, fitting, exhibiting and judging poultry, etc.
226. Richards, H. I., and Pollins, H. A. Adjusting farm production in Cheshire County, N.H., to market demands. Durham, 1925. 55 p. (N.H. Agr. Exp. Sta. Bul. 217)
The University of New Hampshire Extension Service, the Bureau of Agricultural Economics, U. S. Dept. of Agriculture, and the Cheshire County Farm Bureau cooperating with the New Hampshire Agriculture Experiment Station.
"Cheshire County, with its decreasing number of farms and decreasing agricultural production, together with increased transportation costs on receipts of food commodities and a growing number of summer residents, has been chosen as typical of the changes that are taking place in agricultural production over a large part of New Hampshire and New England." - p. 5.

Poultry: p. 30-34. The following statistics are given: Production and importation of eggs, February to July, August to January (total production, sale of locally-produced eggs, receipts from outside county); quarterly sale of eggs for year ending September 30, 1924; average weight of, and prices received by farmers for, hens and roosters, broilers, and other poultry, during the year ending Sept. 30, 1924; poultry production grouped according to size of flock on 184 farms for year ending Sept. 30, 1924; number of poultry on farms, Oct. 1, 1923 and 1924 (hens, pullets, roosters, and other poultry); inventory of poultry, Oct. 1, 1923 and 1924 and production and mortality of chickens during the year; and egg production and sales by districts and by quarters for year ending Sept. 30, 1924.

227. Richardson, A. W. Poultry. New York and London, Harper & brothers, 1922. 152 p. 47 R393
Marketing: p. 124-136.
228. Richardson, A. W., and Mather, F. E. Poultry management at the University of New Hampshire. Durham, 1925. 32 p. (N.H. Univ. Ext. serv. Ext. bul. 28)
"Revision of Extension Bulletin no. 18."
Marketing (live poultry and eggs) : p. 25-27.
229. Riley, W. J., Lloyd, E. A., and Asmundson, V. S. A survey of poultry farms in British Columbia, 1921-25. Victoria, 1927. 52 p.
(British Columbia. Dept. agr. Bul. 102; Col. agr. Bul. 11) 7 B77
"The chief object of this bulletin is to analyse the capital investment and to describe the returns that have been made from commercial poultry-farms in British Columbia." - Preface. It is a "report based on 409 farm records which were obtained from farms representative of the average conditions in the Lower Fraser Valley and on Vancouver Island during the five-year period from January 1st, 1921, to October 31st, 1925, inclusive." The results of the survey for the year ending December 31st, 1921 were published as British Columbia Dept. of Agriculture Circular 41, A Report on Sixty-five Commercial Poultry Farms in the Lower Fraser Valley and Vancouver Island, by E. A. Lloyd; V. S. Asmundson, and R. J. Skelton.
There are numerous tables which show yearly flock increase; amount and distribution of investment; distribution of investment in land and buildings; relation of farm investment to returns; relation of size of flock to building investment; equipment, receipts, expenses and farm returns; relation of egg production to farm returns; relation of proportion of pullets in flock to farm returns and investment; relation of area to farm returns; cost of production of eggs on 279 poultry-farms; average capital investment and returns on 65 poultry-farms for the year 1921, 70 farms for the year, 1925, and the average of 409 farms for the period of 5 years; monthly sales of eggs and feed expense on 25 farms,

year ended Oct. 31, 1925 (total, 8 most successful, and 8 least successful farms); price to producer per dozen eggs, Vancouver, B.C., monthly, Jan. 1, 1921 to Dec. 31, 1925; and average monthly selling price of laying-mash and scratch-food per ton at Vancouver, 1921-1925.

230. Roberts, H. A. Commercial poultry raising; a thoroughly practical and complete reference work for the amateur, fancier, or general farmer, especially adapted to the commercial poultryman. Philadelphia, D. McKay [1920] 588 p. 47 R54

The following chapters have been especially noted: American poultry industry; A business enterprise; Keeping records; Day-old chick industry; Market eggs; and By-products of poultry.

There is a helpful index.

231. Robinson, J. H. Fifty years review of the New York poultry produce market. (In Reliable Poultry Jour. v. 28, no. 9, Nov. 1921, p. 779, 780, 794, 795)

Tables show a statistical review of receipts and prices of poultry and eggs at New York for 50 years, and yearly average receipts of eggs and poultry at New York by 5-year periods, 1870-1919, and the per cent increase of average receipts in each period over the average for preceding period.

Statistics from 1896 to date are from the New York Produce Review, 1875 to 1895 are from Producer's Price Current and "the statistics from 1870 to 1874 are from the Poultry Bulletin of that period ... and are presumably from the Producer's Price Current."

232. Robinson, J. H. The growing of ducks and geese for profit and pleasure; a complete account of the origin and development of all breeds and varieties of domesticated waterfowl, and of the methods of breeding, feeding and caring for them, whether grown in tens, hundreds, thousands or hundreds of thousands. Dayton, Ohio, The Reliable poultry journal publishing company [1924] 447 p. 47.1 R56

Commercial duck farming in America (brief sketch of its history since 1858, with notes on the influential pioneers in the industry - consideration of results of the different systems, showing the survival of the most efficient); p. 157-185.

Marketing ducks on commercial farms (methods of killing, picking and packing - salesmanship of the pioneer duck growers - development of cooperative selling organizations - retailing at the large farms - road-side inns specializing in duck dinners - future of the industry in America): p. 217-225.

Statistical review of market duck prices: p. 227-236.

The duck industry of England and Ireland: p. 267-277.

Statistical review of market prices of geese: p. 401-409.

233. Robinson, J. H. Methods of commercial duck farming in the United States. (In Reliable Poultry Journal, v. 30, nos. 4,6-7, June, Aug.-Sept. 1923, p. 395-396, 423, 424, 541-542, 559, 607-608, 642) 47.8 R27

234. Robinson, J. H. A hundred years of poultry and egg prices and of profits. (In Reliable Poultry Journal, v. 28, nos. 7-8, Sept. - Oct. 1921, p. 615, 629, 630, 693, 712, 713)
Includes tables showing the average costs of feed, prices of eggs and poultry, and profits on egg production of ten dozen eggs per hen, year by year, from 1823 to 1921; and relation of New York prices of western eggs and fowls to prices received by farmers in 26 states and the average for the United States in 1918. Prices are for Boston, New York, or Albany.
235. Robinson, J. H. The New York egg market month by month for fifty years. (In Reliable Poultry Jour. v. 28, no. 10, Dec. 1921, p. 877-878, 905-907)
"An analysis of statistics of eggs at the world's greatest market."
Tables show receipts of eggs and range of prices at New York month by month from 1870 to 1921.
236. Robinson, J. H. New York poultry market month by month since 1882-1886. (In Reliable Poultry Jour., v. 23, no. 11, Jan. 1922, p. 994, 1040, 1041, 1042, 1043, 1044, 1045)
Tables show receipts of live poultry and range of prices at New York monthly from 1882 to 1921, and the same for dressed poultry from 1886 to 1921.
237. Robinson, J. H. Principles and practice of poultry culture; a book for those who want a complete work on the subject in one volume. Dayton, O., Reliable poultry journal publishing company [1925] 584 p. 47 R56Pr
Partial contents: Introduction, p. 1-4 (effects of automobiles and cold storage upon the poultry industry, revival of the prejudice against cold-storage products, the automobile as an aid to the poultry industry, etc.) - Evolution of the poultry industry, p. 12-23. Economic aspects of poultry culture, p. 24-63. - Finishing poultry for the table, p. 301-310. - Preparation of poultry products for market, p. 311-328. - Marketing poultry products, p. 329-336. - Poultry exhibitions, fitting and exhibiting poultry, judging, p. 523-559. - Trade in purebred poultry, eggs, and chicks, p. 560-570.
238. Schmidt, B. C. The dried-egg industry in China. (In Northwestern Miller, v. 134, no. 8, May 23, 1923, p. 817, 819, 838-840) 298.8 N81
"This article, which is based on reports of the American consul general in Shanghai, China, describes a model egg-drying factory at Shanghai established and operated by an American organization. In conclusion, several advantages in the use of dried eggs in place of shell eggs are outlined." - Exp. Sta. Record, v. 49, p. 507-508.
239. Schoppe, W. F. Turkey management. Bozeman, 1923. 23 p. (Mont. Agr. Exp. Sta. Circ. 115)
Contains discussions of varieties, selecting the breeding stock, breeding practices, feeding, housing and shipping breeders, handling

turkeys, age of breeding stock, mating, number of eggs a turkey will lay, care of eggs, artificial and natural incubation, care of setting hens, brooding, feeding poults, care of turkeys on the range, protection from animals, fattening for market, marketing, grades and weights, packing and diseases.

240. Severance, George. An economic study of poultry farming in Western Washington. Pullman, 1927. 51 p. (Wash. Agr. Exp. Sta. Bul. 216)

This "report is based upon 53 complete farm records and 54 enterprise records covering the year from October 1, 1923, to October 1, 1924, as well as 60 complete farm and 35 enterprise records covering the year October 1, 1924, to October 1, 1925. Statistical data from the Federal Census, the Federal Bureau of Agricultural Economics, and the Extension Service of the State College of Washington were used also. Records were secured only from farms on which poultry was maintained on a commercial scale, and where the production of market eggs was a major poultry enterprise." - Introduction.

The subject matter of the bulletin is treated under the following main headings: growth of the industry in Washington; trend of poultry production in the United States; trend in prices; possibilities for future growth of the industry; production records; grades and prices; labor costs; the outlook for Washington poultrymen; management features of poultry feeding; and opportunities for the individual poultryman to increase profits.

There are numerous charts and tables which deal with approximate location of farms visited; production; distribution of chickens in Washington; climatic characteristics for various regions; growth of sales of Washington Cooperative Egg and Poultry Association; receipts of eggs; exports and imports of eggs in the United States; prices; distribution of investments on poultry farms; variations in labor incomes; size of business and labor income; relation of size of flock to size of farm; classification of all farms included in the survey according to size; amount cleared and enterprises maintained; production records; feed, and labor costs of caring for flocks.

241. Sherlock, C. C. The modern farm hen. Des Moines, Iowa. The Homestead company, 1922. 236 p. 47 Sh52

"Written entirely for farmers and is based upon the experience and the methods of actual farmers." - Preface.

Partial contents: What farm poultry raisers are actually doing (p.15-29) - Artificial lighting for winter eggs (p.193-200). Marketing farm eggs successfully (p.201-212). - How to sell and advertise stock (p. 213-224)

242. Sherman, H. C. Food products. 2d ed., rev. and enl. N.Y., Macmillan co., 1924. 637 p. 389 Sh5F

"References" at end of chapters.

Eggs: p. 156-191. (Discusses production, chemical composition, nutritive value and place in the diet, trade practices in the industry, cold storage and its regulation, frozen and dried eggs, and Chinese pidan - fermented preserved egg)

Poultry, game, fish and shellfish: p. 253-290. (Includes, for poultry, a discussion of the preparation of poultry for market, deterioration of poultry in transit, composition of poultry, and a comparison of poultry, fish, and shellfish with other flesh foods.)

243. Shoup, G. R. Maintaining a standard egg pack. Puyallup, 1921. (In West. Wash. Agr. Exp. Sta. Bimonthly bul. v. 9, no. 4, Sept. 1921, p. 53-55)

"The author suggests the keeping of a few actively laying yearlings for a short time in the fall, so that their eggs, mixed with the eggs of the pullets, will bring up the average weight to that required for a standard egg pack, 45 lbs. per case of 30 doz." - Exp. Sta. Record, v. 45, p. 776.

244. Shoup, Mr. and Mrs. G. R. Cost of starting a commercial poultry business. Puyallup, 1920. (In West. Wash. Agr. Exp. Sta. Monthly bul. v. 7, no. 10, Jan. 1920, p. 163-165)

The size of the flock and the initial cash outlay are considered. The first year's expenses, with an outlay of 1,000 chicks, are tabulated.

245. Shoup, Mr. and Mrs. G. R. The financial progression of a ten-acre poultry plant. Puyallup, 1924. (In West. Wash. Agr. Exp. Sta. Bimonthly bul. v. 12, no. 4, Nov. 1924, p. 85-89)

Outlines expenses, income and inventory of a ten-acre poultry plant for each of the first four years of growth. Expenses include buildings, equipment, stock, and feed, but do not include land, dwelling, taxes and interest, and overhead.

246. Shoup, Mr. and Mrs. G. R. How eggs are graded and why. (In West. Wash. Agr. Exp. Sta. Monthly bul. v. 8, no. 8, Nov. 1920, p. 119-121)

Includes a description of a home-made egg grader.

247. Sipe, G. R. Economic factors of commercial egg production. Agricultural and Mechanical College, 1926. 4 p. (Miss. Agr. & mechanical col. Agr. Ext. Dept. Circ. 47)

Economic factors are breed and quality of same, housing, sanitation management, feeding, culling and selection, disease control, and marketing.

248. Slocum, R. R. The accredited hatchery as a factor in standardizing market chickens and eggs. p. 60-64.

"Reprinted from Poultry Science, vol. III, no. 2, Dec.-Jan. 1923-1924."

"The accredited hatchery project is most important because of the careful and complete oversight possible in the selection of the breeding stock furnishing eggs to the hatcheries and in the selection of the eggs which actually go into the incubators. It is one of the most useful facilities with which to secure more complete standardization of poultry and poultry products."

249. Slocum, R. R. An analysis of the egg industry; advantages, disadvantages and marketing plans of various producing sections discussed. (In Poultry Tribune, v. 33, no. 5, May, 1927, p. 13, 58-59) Pam. Coll.
250. Slocum, R. R. Capons and caponizing. Rev. Washington, 1923. 15 p. (U. S. Dept. agr. Farmers' bul. 849)
Issued April, 1911, as No. 452; Revised December 1917; slightly revised and reprinted January, 1923.
Killing and dressing capons for market (killing, picking, drawing, cooling and packing); p. 13-14.
Profits: p. 15.
251. Slocum, R. R. Marketing eggs. Washington, 1924. 29 p. (U. S. Dept. agr. Farmers' bul. 1378)
Discusses the sections of the United States where eggs are produced; the problem of transportation; seasonal production; the function of cold storage; marketing methods; market channels; egg structure and composition; factors affecting quality; candling; grading; commercial grades; egg packages; packing; shipping eggs by parcel post; express and freight; and preservation and cold storage of eggs.
It also contains a map illustrating the number of eggs sold from farms, 1919; a table showing the number of cases of eggs received at the 5 principal markets from different states in 1922 and a map illustrating this; and two charts dealing with cold storage holdings of eggs and prices.
252. Slocum, R. R. Marketing poultry. Washington, 1924. 30 p. (U. S. Dept. agr. Farmers' bul. 1377)
Discusses the following topics; places where poultry is produced, the problem of transportation, seasonal production, cold storage, methods of marketing, market channels, grades and quotations, marketing live poultry, the finishing or fattening poultry killing and dressing, grading and packing, shipping dressed poultry and commercial storage of dressed poultry.
Illustrated by maps, charts and pictures.
253. Slocum, R. R. Methods of packing eggs and of buffing and bracing eggs in carload shipments. Washington, 1926. 15 p. (U. S. Dept. agr. Dept. circ. 391)
"This study was made under the auspices of the interrelations committee, composed of representatives of the National Poultry, Butter and Egg Association, National Association of Egg Case and Egg Case Filler Manufacturers, American Railway Express Co., and American Railway Association;" - p. 1.
254. Slocum, R. R. National standardization of eggs continues to make progress. (In Poultry Farmer, v. 3, no. 7, Aug. 1925, p. 2-3,7) 47.8 P8615.

Accompanied by three charts: chart of U. S. standards of quality for individual eggs; tentative grades suggested by U. S. Department of Agriculture for use in buying eggs from producers on basis of three grades of sound shell eggs and one grade of cracks and check; and chart of tentative U. S. wholesale grades for eggs.

255. Slocum, R. R. Needed investigations of the factors affecting egg quality. (In Poultry Science, v. 4, no. 5, June-July, 1925, p. 179-183) Pam. Coll.
256. Slocum, R. R. U. S. grades applied to middle western eggs. (In National Poultry, Butter and Egg Bul. v. 10, no. 11, Aug. 1926, p. 36-39) 286.85 N212
257. Smith, W. J. How to get started in the baby chick and poultry business. Cleveland, Wellington J. Smith co., 1926. 95 p. 47 Sm52
Gives information for the beginner in the poultry business. Successful ways of selling day-old chicks, marketing poultry, the preparation of capons for market and the marketing of turkeys are among the subjects on which advice is given.
258. South Africa. Egg export commission. Report of the egg export commission appointed by ... the Governor-general. Cape Town, Cape Times, limited, government printers, 1926. 48 p. 280.3 So84
This is the report of the committee appointed to investigate and report upon the causes of the arrival in England of consignments of eggs in a tainted condition and as to "what steps should be taken (a) for the prevention of the recurrence of such a condition of affairs, and (b) generally to safeguard the condition of eggs during the various stages of export."
259. South Dakota. Agricultural experiment station. Annual report, 1925/26. Brookings, 1926. 39 p.
Brief statements are made on p. 32 and 33, as to the progress in the studies of the direct marketing of poultry products and the comparison of feeding values of protein feeds. The marketing project and an experiment on the influence of artificial lighting are reported on in the 1924/25 report.
260. South Dakota. College of agriculture and mechanic arts. Dept. of farm economics. Preliminary report of the cost of producing farm products on 20 farms in Brown County, 1925. Prepared by C. A. Bonnen. [1926] Mimeographed. 281 So8
Poultry costs: p. 21.
261. Spillman, W. J. Farm management. New York, Orange Judd publishing co.; London, Kegan Paul, Trench, Trubner & co., limited. 1923. 474 p. 281 Sp42.
"References" at end of each chapter.
Chapter XIII, Economics of the poultry enterprise, pages 248-262. This chapter deals with the following phases of the subject: the

number of poultry in the United States, the number of eggs produced per hen, sectional increases and decreases, probable future of New England poultry farming, seasonal variation in egg production, the poultry breeders' object, relation of age of hens to production, the place of poultry on the farm, breed classes, the proper place of the various breeds, data from a well-managed farm flock, and the New Jersey poultry farm survey.

262. Steelman, L. W. Cost of raising pullets. (In American Poultry Jour. v. 51, no. 6, June, 1920, p. 753, 754, 755, 756, 757) 47.8 Am32
"Sale of the cockerels as broilers paid for growing both cockerels and pullets up to the 12-week period." Figures are for a White Leghorn flock.
263. Steelman, L. W. Producing and marketing quality eggs. State College, 1925. 24 p. (Pa. State col. Div. agr. ext. Ext. circ. 105)
This is an illustrated bulletin which deals with the production of first class eggs, losses, effect of heat on the quality of eggs and the cleaning, grading, candling, and packing of eggs.
264. Stean, Herman. Coöperative marketing, the golden rule in agriculture. Garden City, N. Y., Doubleday, Page & co., 1923. 366 p. 280.3 St3
"This volume attempts to record the progress of cooperative marketing by telling the story of the genesis, development, and operation of more than 100 of the most significant associations in the United States, together with sketches of half a dozen leading Canadian organizations." - Author's note.
Chapter XI, Unscrambling the Egg Markets, pages 130-142, deals with the following subjects: Poultry Producers of Central California, Inc., Commercial poultry associations; Pacific egg producers; Creamery egg marketing; poultry and egg shipping associations; marketing Long Island ducks; Canadian poultry and egg marketing; and poultry cooperation, present and future.
265. Steup, H. H. Fitting and exhibiting standard-bred poultry. Manhattan, 1926. 37 p. (Kans. Agr. Exp. Sta. Circ. 127)
266. Tariff laws affecting eggs and egg products, U. S. fiscal years 1890-1922. (In Reliable Poultry Jour. v. 29, no. 10, Dec. 1922, p. 917)
This is a chart which was "prepared for the use of the Committee on the Protection of the Poultry Industry of the American Poultry Association, by the Poultry Department, Cornell University Ithaca, New York."
267. Tennessee. Laws, statutes, etc. Bill to be entitled An act to promote the production of better eggs in the State of Tennessee; to provide for the candling of eggs offered for sale for human consumption;

to regulate the sale of traffic in eggs; to prevent fraud and misrepresentation in dealing in eggs; to prevent the sale of eggs for human consumption which are unfit for human food, and to fix penalties for the violation of the provisions of this act. (Ch. 57, Acts 1923)

Not examined.

268. Tenny, L. S. Egg standardization work of the Bureau of agricultural economics, (In National Poultry, Putter and Egg Bul. v. 10, no. 11, Aug. 1926, p. 7-9) 286.85 N212
269. Terry, J. R. Practical poultry raising. 7th ed. Victoria, 1922. 37 p. (Brit. Columbia. Dept. Agr. Bul. 26) 7 B77
Marketing poultry products: p. 27-32.
270. Thompson, W. C. The business possibilities of poultry keeping. New Brunswick, 1921. 4 p. (N.J. Agr. Exp. Sta. Hints to poultrymen, v. 9, no. 12, Sept. 1921)
Discusses New Jersey as a poultry raising state, the possible lines of poultry production, and gives some practical advice.
271. Townsley, T. S. Profits from farm poultry in 1919. Columbia, 1920. 4 p. (Mo. Univ. Col. agr. Agr. ext. serv. Circ. 84)
Contains four tables. They give data such as income from eggs and fowls, feed cost per farm, per hen and per dozen eggs, labor cost of raising chicks, net profits on birds raised, profit per chick raised, etc. The records of the best farm flocks are compared with the average.
272. Treakle, Mr. and Mrs. A. F. Twenty lessons on poultry production for use of members of the poultry club project. Blacksburg, 1923, rev. 73 p. (Va. Agr. and mechanical col. and polytechnic institute. Ext. div. Bul. 51)
Includes lessons on marketing, care and marketing of eggs, preserving eggs, etc.
273. Trecartin, J. S. Raising P. V. squabs for profit ... a manual of instruction from my personal experience in building, stocking and managing the largest successful squab plant in New Jersey. Caldwell, N. J., J. S. Trecartin, 1920. 32 p. 47.2 771
Chapter I, p. 5-7, is "Is there profit in raising squabs." It includes a table containing prices paid for squabs by Conron Bros., New York City, during the first week in January, 1912-1920, inclusive.
Chapter VI, p. 24-27 is on "Squabs for market," and deals with the preparation of squabs for market, grading, and shipping.
274. Tucker, H. M. comp. Poultry industry in Maine. Augusta, 1920. 99 p. (Maine. Dept. agr. Bul. v. 19, no. 1, Mar. 1920.)
Contents: Poultry industry in Maine, by H. M. Tucker. - Poultry

culture in Maine - past, present and future, by Geo. P. Coffin. -
The governing factor in egg production, by Geo. V. Smith. - Lice,
mites and cleanliness. - Hatching and raising chickens. - Orono
chick rations. - Feeding rations. - How to kill and market poultry
(from University of Maine Extension Service Bulletin). - Housing farm
poultry. - Important poultry diseases.

275. Tumbach, J. H. How I made \$10,000 in one year with 4,200 hens ...
[2d ed.] Pasadena, Calif., J. H. Tumbach [1922] 191 p. L. C.
The author gives advice and recommendations based on the methods
used by him on his successful poultry farm. These recommendations
cover such items as feeding, costs, diseases, grading, marketing,
buildings, etc.
The book has a detailed index.
276. Turner, R. M. Facts about egg prices. Pullman, 1927. 4 p. (Wash.
State col. Ext. serv. Circ. 15)
Contains three charts and a map which show that the trend of
the prices of eggs since 1910 has followed closely the prices of
non-agricultural commodities, that egg production is again keeping
pace with population increases, sources of eggs used in New York
City, 1926, and increase in shipments of far Western eggs.
277. U. S. Bureau of the census. Fourteenth census: agriculture. Bulletin.
Farm animals, cattle, swine and chickens. Farm reporting, number
on hand, and farms not reporting, 1920; calves, pigs, and chickens
raised, and eggs produced, 1919. Data for 1920 and 1919, by states
and counties, with comparative figures for 1910 and 1909, by states.
Washington, Govt. print. off., 1922. 98 p. 157.4 C143Fa
"The object of this bulletin is to present in compact form those
1920 census figures which best indicate the extent to which cattle,
swine, and chickens are kept and raised on farms in the United States.
Special stress is laid upon the number of farms reporting each of
these different classes of live stock; and the number of farms not
reporting any cattle, or swine, or chickens is made an important
feature. This latter figure represents what one writer has termed
'the number of cowless, sowless, or henless farms', and serves to
call attention, in areas adapted to the raising of live stock, to
the opportunity for extending this branch of agriculture." - p. 3.
- 277a. U. S. Bureau of the census. United States census of agriculture, 1925.
Summary statistics, by states. Washington, Govt. print. off., 1927.
77 p. 157.41 C332
State table III, p. 28-37, entitled Livestock on Farms,
January 1, 1925, and Livestock Products, 1924 and 1919 in-
cludes statistics of the number and value of chickens on
farms, 1925; number of chickens raised and chicken eggs pro-
duced, 1924 and 1919; and value of chickens and of eggs,
1924. State table VI, p. 60-67, gives among other data, the
number of farms reporting chickens, 1925. Both tables give data
for the United States individual states. Data in the first
table are also given for geographic divisions.

278. U. S. Congress. Joint committee on agriculture. Frozen eggs. Hearings... sixty-sixth Congress, third session on H. R. 9521, a bill to prevent hoarding and deterioration of, and deception with respect to, cold-storage foods, to regulate shipments of cold-storage foods in interstate commerce, and for other purposes. Washington, Govt. print. off., 1921. 40 p. 295 Un33 F
279. U. S. Congress. Senate. Committee on agriculture and forestry. Frozen eggs. Hearings ... on H. R. 9521, a bill to prevent hoarding and deterioration of, and deception with respect to, cold-storage foods, to regulate shipments of cold-storage foods in interstate commerce and for other purposes. Washington, Govt. print. off., 1921. 40 p. 295 Un33F
280. U. S. Department of agriculture. Cold-storage holdings. Washington, 1926. 32 p. (Statistical bul. 13)
"The statistics on cold storage warehouse space and cold storage holdings of apples, dairy products, eggs, meat, lard, dressed poultry, and fish given in a previous bulletin are brought down to October 1, and December, 1925, respectively." - Exp. Sta. Record, v. 55, p. 686.
281. U. S. Department of agriculture. Cold storage holdings to October, 1924. Washington, 1925. 32 p. (Statistical bul. 4) 1 Ag84St
"This bulletin is a revision of Statistical Bulletin No. 1, Cold-storage Holdings, issued August 1923," which consisted of "compilations of the regular monthly reports made to the former Bureau of Markets and to the Bureau of Agricultural Economics." Commodities include eggs and poultry.
282. U. S. Department of agriculture. Market statistics. Prepared under the direction of Carl J. West ... assisted by Lewis R. Flohr. Washington, 1921. 279 p. (Bul. 982)
There is an index on pages 275-279.
Table 119, p. 154, gives stocks of dressed poultry in storage on the first of the month, May, 1916-December, 1920, inclusive. Figures are given for broilers, roasters, fowls, turkeys, and miscellaneous poultry.
283. U. S. Department of agriculture. Bureau of agricultural economics. Report of a demonstration of marketing eggs in Oklahoma on a graded basis [by Henry G. F. Hamann and Fred C. Old] Washington, D. C. March, 1926. 21 p. Mimeographed. 1.9 Ec7Rd
In cooperation with Agricultural Extension Department, Oklahoma, A. and M. College.
"The marketing work described in this report was undertaken as the 'Oklahoma egg marketing demonstration.' It was conducted during the summer of 1925 and had as its purpose, the demonstration of the use of uniform methods of candling, grading, packing and marketing eggs in accordance with the U. S. Standards and Grades for eggs.

It also was hoped that it would be possible to overcome prejudices due to a reputation for relatively low quality eggs of poor appearance and to obtain returns for egg producers commensurate with the quality of the product which they delivered." p. 1.

284. U. S. Department of agriculture. Bureau of agricultural economics. Revised outline of tentative U. S. grades of eggs. [Washington, D. C., 1924?] [1] p. Mimeographed. 1,9 Ec74Eg
285. U. S. Department of agriculture. Bureau of agricultural economics. Rules and regulations of the Secretary of agriculture governing the grading and certification of butter, cheese, and eggs for class, quality and condition. Under an act of Congress approved January 18, 1927. Rev. Washington, 1927. 6 p. (Service and regulatory announcements 96)
- There are also two supplements to this. Supplement 1 (Revised) 1927 is "Instructions of the Chief of the Bureau of Agricultural Economics governing the stamping, labeling, and certifying of the class, grade, quality, and/or condition on packages of butter, cheese, and eggs and prescribing the standards to be used in grading and certifying the quality and condition of these products."
- Supplement No. 2 is "Inspectors designated by the Chief of the Bureau of Agricultural Economics to pass upon applications for re-inspection of butter, cheese and eggs."
286. U. S. Department of agriculture. Bureau of agricultural economics. Rules and regulations of the Secretary of agriculture governing the inspection and certification of live poultry. Washington, 1926. 5 p. (Service and regulatory announcements, 103) 1 M34S
287. U. S. Department of agriculture. Bureau of agricultural economics. Tentative U. S. classes, standards and grades of eggs proposed by the U. S. Bureau of agricultural economics. Standardization of any farm product is conducive to greater efficiency and economy in marketing. [Washington, D. C.] April, 1923. [4] p. Mimeographed. 1.9 Ec74E
288. U. S. Department of agriculture. Bureau of agricultural economics. Division of cooperative marketing. Cooperative marketing of eggs and poultry. A preliminary report [by D.L. James] Washington, D. C., June, 1925. 24 p. Mimeographed. 1.9 Ec722Cm
- This report tells of the first cooperative effort in marketing eggs and briefly reviews the activities of poultry and egg associations in California, the Pacific Coast, Washington, the Atlantic Coast, Minnesota, Missouri, and other sections.
- Tables give the following statistical data: membership, assets, sales, expense, eggs handled, average pool price for extras, total patronage refunds, and dividends to stockholders for certain associations (not all information is given for all associations): number of members for associations marketing eggs and poultry by

by associations and by states, 1924; number of cases of eggs and pounds of poultry marketed by associations and by states, 1924; and number of cases of eggs and pounds of poultry handled cooperatively and sales by groups of associations, 1924.

Cost of handling eggs per dozen is given for the Poultry Producers of San Diego, Inc., for 1922 and 1923.

This report is supplemented by Cooperative Marketing of Poultry Products, 1920-1926.

289. U. S. Department of agriculture. Bureau of agricultural economics. Division of cooperative marketing. Cooperative marketing of poultry products, 1920-1926 [by R. H. Elsworth] Washington, D.C. June, 1927. 11 p. Mimeographed. 1.9 Ec723Ac

"This report supplements that issued June, 1925, and supersedes that issued December of 1926."

Data are for 83 associations which have been engaged in the cooperative marketing of poultry for different lengths of time during the period covered. Titles of statistical tables are: Associations engaged in cooperative marketing of poultry products 1920-1926; years of organization of associations marketing poultry products; membership of associations marketing eggs by states, 1926; number of associations that market eggs and estimated volume of business, 1920-1926; cases of eggs marketed by associations in specified states, 1926; quantity of eggs handled by case groups, 1926; average number of cases of eggs per member for associations reporting both membership and number of cases handled, by states, 1926; associations, number of cases, and percentages by "cases per member" groups, 1926; cases of eggs handled by associations active in both 1925 and 1926, by states; associations marketing live poultry and estimated volume of business, 1920-1926; live poultry marketed by associations in specified states, 1926; associations marketing dressed poultry and volume of business, 1922-1926; dressed poultry marketed by associations in specified states, 1926. The number of cases of eggs handled, 1924-1926, and live and dressed poultry handled, 1923-1926, by Canadian associations, are given also.

290. U. S. Department of agriculture. Bureau of agricultural economics. Division of dairy and poultry products. Better poultry and egg statistics. An address by Rob. P. Slocum ... before the National poultry, butter and egg association, Louisville, Ky., October 11, 1927. 6 p. Mimeographed. 1.9 Ec724Bc

Attached to this is a Tentative Program of Basic Poultry and Egg Statistics for the Poultry Industry, prepared by a Committee of the U. S. Dept. of Agriculture (3 pages).

291. U. S. Department of agriculture. Bureau of agricultural economics. Division of dairy and poultry products. Consumption of dairy and poultry products on farms for the year ended June 30, 1923 and consumption of milk and cream in cities for the year ended December 31, 1923. Washington, D. C., June 1924. 19 p. Mimeographed. 1.9 Ec724C
By T. R. Pirtle.

The following statistics are given for poultry and eggs: average

farm consumption of chickens per month, and average number of eggs used on farms for eating and baking per week for the individual states and the United States for the year ended June 30, 1923, the months of May, 1923, July, 1922, Oct. 1922, and Jan. 1923; average per capita consumption of poultry and eggs on farms, per year and per month during the spring, summer, autumn, and winter seasons for each state, and the United States; monthly per capita farm consumption of eggs and poultry, 1922-1923 (4 seasons) for each of 7 states; and average annual per capita farm consumption of eggs and fowls, 1922-23, for sections of the United States and total.

292. U. S. Department of agriculture. Bureau of agricultural economics. Division of dairy and poultry products. An economic survey of the live poultry industry in New York City. A preliminary report. [By F. A. Buechel] Washington, D. C., July 1927. 79 p. Mimeographed. 1.9 Ec724Ec

"This survey was undertaken ... upon the request of representatives of the New York Live Poultry Commission Merchants Association and the office of the Attorney General of the State of New York."

The data upon which this report is based were obtained from the books of New York City live poultry commission merchants, from schedules mailed to shippers in all areas that contribute live poultry to the New York market, from the books of all the dealers who receive poultry in the metropolitan area of New York, giving the volume of each class of poultry entering this market during Nov. 1, 1923-Oct. 31, 1924 and May 1, 1925-Apr. 30, 1926, a publishing company of New York and the United States Department of Agriculture.

The following subjects are discussed: size of industry and factors in the trade; growth of industry; source of demand for, composition of the supply and points of origin of, live poultry; specialization; seasonal variations in sale of different classes; variation among dealers in types of sale; recent tendencies in winter broiler production; cost of marketing; cost of shipping live poultry from representative states; prices of live poultry; the live poultry exchange; and returns to shippers.

The report is illustrated by numerous charts, several maps and 22 tables. Titles of some of the tables are: distribution of weekly receipts of fowls, broilers, chickens, cocks, ducks, geese, turkeys, culls, stags and capons at New York City; method of shipment of live poultry received at New York by state of origin, average transportation cost per lb. of live poultry when shipped by freight and by express to New York City, by origin; costs of coops and cartage per lb. of live poultry; costs of unloading; shipping and marketing live poultry; weekly price per lb. quotation of colored fowls, broilers and chickens and average return per lb. to shipper by months for fowls, chickens, and broilers.

293. U. S. Department of agriculture. Bureau of agricultural economics. Division of dairy and poultry products. Egg standardization leaflet no. 1-2. Washington, D. C., 1925. Mimeographed. 1.9 Ec74Egs

Contents: No. 1. Egg standardization can be taught by exhibits and demonstrations of the United States standards of quality for individual eggs. - No. 2. Specifications of the United States standards and tentative United States grades for eggs.

294. U. S. Department of agriculture. Bureau of agricultural economics. Division of dairy and poultry products. New York live poultry exchange. [Washington, D. C., 1927?] 4 pts. Mimeographed.

1. 9 Ec724N

"This material was prepared by the Bureau of Agricultural Economics as a suggestion and for the consideration of the various trade committees which are working for the operation of a live poultry exchange in New York City."

Part I contains the suggested by-laws, part II trading rules, part III suggested fees for the inspection and grading of live poultry, and part IV suggested live poultry grades. There is attached to the report a preliminary draft of tentative U. S. wholesale grades for live poultry.

295. U. S. Department of agriculture. Bureau of agricultural economics. Division of dairy and poultry products. Poultry and egg standardization. 1927. 6 p. Mimeographed. 1.9 Ec724Po

This is "an address by Roy C. Potts, Chief marketing specialist, before the National Poultry, Butter and Egg Association, Louisville, Kentucky, October 11, 1927."

296. U. S. Department of agriculture. Bureau of agricultural economics. Division of dairy and poultry products. Preliminary investigation of comparative efficiency of various methods of packing, loading and bracing eggs. Study made under the auspices of the Interrelations committee, representing egg case and filler manufacturers, shippers, railway and express companies and receivers. Washington, D. C., September, 1925. 33 p. Mimeographed. 1.9 Ec724Eg

By Rob R. Slocum.

Illustrated by tables and several charts.

297. U. S. Department of agriculture. Bureau of agricultural economics. Division of dairy and poultry products. The present economic trend of the poultry industry. Address by Roy C. Potts ... before National poultry congress, Chicago, Sept. 23, 1925. [Washington, 1925] 16 p. Mimeographed. 1.9 Ec724Pr

The author discusses the stages of development of the industry, the poultry extension work of the colleges, the statistical position of the industry, storage stocks of eggs and dressed poultry, the importance of statistics on the industry, the present egg storage situation, price trends of poultry and eggs, the increasing consumption of poultry and eggs, and factors which will help the future development of the industry. A summary of important economic trends of the industry is given on p. 14-16.

The statistical tables included in this paper give the following data: production of chickens and eggs for the years 1920-1924, in-

clusive; receipts of eggs and dressed poultry at Boston, New York, Philadelphia and Chicago, with number of chickens on farms Jan. 1, for the years 1920-1924, inclusive, and receipts for the first 8 months of 1924 and 1925; total storage stocks of eggs and dressed poultry at peak storage period, 1918-1925, inclusive, stocks of dressed poultry (by classes of poultry) Sept. 1, 1925 and 1924, and 5 year average for Sept. 1; monthly stocks of broilers, roasters and fowl in storage, monthly, Jan. 1, 1924-Sept. 1, 1925; eggs in storage, monthly, Mar. 1-Sept. 1, 1924 and 1925, and 5 year average; receipts of eggs on 4 markets monthly, Jan.-Aug. and Sept. 1-15, 1925 and 1924; and average monthly wholesale prices of western fresh killed roasters and fowls, and fresh western extra firsts [eggs] and nearby selected firsts to hennery extras on New York market Jan. 1921-Aug. 1925.

298. U. S. Department of agriculture. Bureau of agricultural economics. Division of farm management and costs. Economic factors affecting the local success of egg farming communities in the western states. [Washington, 1927] 7 p. Mimeographed. 1.9 Ec762Ea
"An address by Ernest R. Johnson, Assistant Agricultural Economist, Bureau of Agricultural Economics, read before Western States Conference, Reno, Nevada. July 11-12, 1927."

299. U. S. Department of agriculture. Bureau of agricultural economics. Division of farm management and costs. Statistics of the poultry industry with special reference to the eleven western states [by E. R. Johnson] Washington, June, 1927. 63 p. Mimeographed. 1.9 Ec762Sp
"The purpose of this Statistical report is to furnish State agencies and specialized egg producers in the Pacific and Mountain States with background material that will assist them in formulating programs for poultry work. The data have been prepared largely at the request of the Extension Directors of the Western States." -p.2.
Data given are as follows; index numbers of farm prices for poultry, eggs, and other farm products, 1910-1926, inclusive (table and chart); pounds of feed that one dozen eggs would purchase in various months at farm prices (table); dot maps showing eggs sold from farms, 1919, urban population, increase and decrease in number of chickens, 1920-25; number of chickens on farms and eggs produced by geographic divisions and by states in the mountain and Pacific divisions, 1910. 1920, 1925 (table); chickens per farm and eggs produced per chicken in the Western States 1920 and 1925 (table); charts showing distribution of chickens and egg production in the United States and in 11 western states; number of chickens per farm, 11 western states, by counties, Jan. 1, 1925 (table); dot maps showing chickens on farms and chickens per farm in 11 western states, by counties, 1925; charts showing farm prices of chickens and eggs and index of wholesale non-agricultural prices; receipts of eggs at San Francisco, Los Angeles, New York, Chicago, Philadelphia and Boston, by states of origin, 1926 - total and monthly (tables and maps); destination of shipments of

California eggs 1925 (table and map); seasonal receipts of eggs at New York by regions of origin, 1921-1927 (table and chart); per cent distribution of seasonal receipts of eggs at New York, by regions of origin, 1921-1927 (table); seasonal receipts of eggs at 4 leading markets from 11 western states, 1922-1927 (table and chart) relation of egg receipts from western states at 4 markets to production in those states, 1924 (table); rank of states shipping eggs to New York during fall months, 1921-1926 (table); wholesale prices of Pacific Coast eggs (extras) at San Francisco and New York, monthly, Jan. 1921-Feb. 1927 (table and chart); prices received by egg producers at Seattle by grades, monthly, 1925 and 1926 (table); chart showing producers' price of Pacific Coast eggs, Western Washington, 1926; number of chicken flocks of various sizes in selected counties, Jan. 1, 1925 (table); per cent of eggs produced by these flocks, 1924 (table); chart showing number of farms reporting chicken flocks of various sizes, western states, Jan. 1, 1925; temperatures in selected localities (table); chart showing normal temperatures in selected localities; number of eggs laid per bird in various pullet and hen flocks, monthly, western Washington 1923/1924 (table and chart); egg production of 4 pullet flocks, monthly, 1923/24 (table); variation in grades of eggs produced by 2 pullet flocks, monthly 1923/24 (tables and charts); egg production per capita 1924, and percentage increase in per capita production, 1919-1924 (table); farm prices for various grains, by states, average 1921-1925 (table); freight and express rates on eggs to New York from various stations, Sept. 1926 (table); and effect of grade and month of production upon the value of eggs (table).

300. U. S. Department of agriculture. Bureau of agricultural economics, Market news service, Daily market report (butter, cheese, eggs, dressed poultry) [Washington, etc.] Mimeographed. 1.9 M34Da
- "This report is issued at New York, Chicago, Boston, Philadelphia, Washington, Minneapolis and San Francisco, and contains summaries of market conditions; receipts and storage movement of butter, cheese, eggs and dressed poultry ... This report also includes information as to the daily storage holdings at six additional markets, Buffalo, Providence, Pittsburgh, Omaha, Kansas City, and St. Louis, and once each week shows the storage holdings in a total of 26 markets, which in addition to those mentioned include Syracuse, Cuba and Lowville, N. Y.; Cleveland; Detroit; Minneapolis; St. Paul; Milwaukee; Green Bay, Marshfield and Plymouth, Wisconsin; Denver; Seattle; Portland and Los Angeles. Wholesale egg prices are reported at Boston and San Francisco only. The San Francisco report shows receipts at Los Angeles and Portland, also storage movements once each week at these points and at Seattle and San Diego. The daily report issued at the office of the Bureau in Plymouth, Wisconsin, contains only cheese market information." - Periodical Reports Relating to Crops, Markets and Agricultural Economics, Nov. 1927.

Daily market reports have been issued since June, 1920.

301. U. S. Department of agriculture. Bureau of agricultural economics. Market news service. Monthly export report. Exports of dairy products, oleomargarine and eggs from the United States, no. 1-date, Jan. 1930-date. [Washington, D. C., etc. 1920-date] 1.9 Ec742M
This report gives the number of dozens of eggs, etc., exported from the United States (total and by countries of destination) for the month. Comparative figures (total) for the same month of the previous year are also given. Beginning with Oct. 1920, the report gives total exports of each commodity for January - date for the current and for the previous year.
Beginning with the January, 1924 number total imports of eggs, etc., for the current month and for the same month of the previous year are given.
This report is summarized in Crops and Markets issued by the U. S. Department of Agriculture.
302. U. S. Department of agriculture. Bureau of agricultural economics. Market news service. Monthly live poultry market report, v. 1, no. 1, May, 1927 - date. New York, 1927 - date.
"This report is a summary of the statistical information published in the Daily Live Poultry Report [issued by the Bureau] It contains summaries of freight and express receipts and unloads by states of origin, with comparisons with previous months, and a summary of the percentage makeup of receipts since the first of the year." - Periodical Reports Relating to Crops, Markets and Agricultural Economics, Nov. 1927.
The monthly and daily reports are issued at New York and cover the New York market only.
303. U. S. Department of agriculture. Bureau of markets. Cold storage holdings ... 1914-1920. Washington, 1914-1921. 99 p. Mimeographed. 1.9 M345C
Holdings of poultry products are included.
304. U. S. Department of agriculture. Bureau of markets. Daily egg market report ... Receipts of eggs by cities. Sept. 20, 1919-May 29, 1920. [Washington, D. C., 1919-20] Mimeographed. 1.9 M34De
File in Library, U. S. Bureau of Agricultural Economics is incomplete.
For later figures see U. S. Dept. of Agriculture. Bureau of Agricultural Economics. Market News Service. Daily market report (Butter, cheese, eggs and dressed poultry).
305. U. S. Department of agriculture. Yearbook of agriculture, 1926. Washington, 1927. 1298p.
Contains the following articles on poultry and eggs: Egg standardization is put in effect, by R. R. Slocum (p.324-325); Egg supplies in winter, by E. R. Johnson (p.325-327); Butter and egg marketing methods, by R. C. Potts (p.194-196); Poultry accreditation a stabilizing market influence, by M. A. Jull (p. 601-603); Poultry

and egg production estimates now made, by S. A. Jones (p. 605-606); and Poultry industry expansion, by R. R. Slocum (p.606-608).

Tables on pages 1156-1170 give these statistics; receipts of dressed poultry, gross weight at Boston, New York, Philadelphia, and Chicago, monthly, 1920-1926; receipts of dressed poultry, gross weight at Chicago, Boston, New York, Philadelphia, San Francisco, and Los Angeles, yearly, 1922-1926, monthly, 1926; cold storage holdings of frozen poultry, United States, monthly, 1916-1926, monthly averages 1916-1920 and 1921-1925; estimated price of chickens per lb., received by producers, United States, monthly, 1910-1926, with averages and the price received for turkeys the 15th of Oct., Nov., Dec., and Jan. 1912-1926; receipts of eggs at Boston, New York, Philadelphia, Chicago, and San Francisco, monthly 1917-1926; cold storage holdings of eggs, monthly 1915-1926, with five year averages; receipts of eggs at Boston, New York, Chicago, Philadelphia, San Francisco, and Los Angeles, by state of origin, yearly, 1922-1925 and monthly, 1926; estimated price per dozen eggs received by producers, United States, monthly 1910-1926, with five year averages; international trade in eggs (in the shell, and not in shell) average, 1909-1913, annually 1923-1925; average price of eggs per dozen at New York and Chicago, monthly, 1926, and averages, with 1926 prices for Boston, Philadelphia, and San Francisco. On p. 1182 there are statistics showing quantity of eggs in the shell exported, by country of destination, annually, year ended June 30, 1924-1926; and on p. 1191 there are statistics showing the quantity of eggs in the shell, eggs and egg yolks (dried, frozen and preserved) and egg albumen, imported into the United States, by country of origin, year ended June 30, 1924, 1925, and 1926.

Other Yearbooks contain more or less similar statistics.

306. Upp, C. W. The market egg. Stillwater, [1926?] (Okla. Agr. and mechanical col. Ext. serv. Circ. 228 - General serv. 67)

Discusses the causes of losses in market eggs and tells how to prevent such losses.

307. [Urner-Barry company] Resume of statistical review of New York market for the years 1901-1924. New York City 44.8 Ur54

Contains the following data for eggs and poultry for year covered: monthly and total receipts of eggs and monthly and average range of prices for the better grade of eggs; monthly and total freight and express receipts of live poultry, and monthly and average range of prices for Western and Southern freight receipts of fowls, chickens, old roosters, turkeys, ducks and geese; monthly and total receipts of dressed poultry, and monthly and average range of prices for western fresh killed boilers, fryers, roasters, fowls, old cocks, capons, turkeys, ducks, and geese; and monthly and average range of prices for western frozen broilers, fryers, roasters, fowls, capons, turkeys, ducks, and geese. These are the contents of the Resume for 1924. Contents of earlier numbers vary slightly.

The Library of the U. S. Bureau of Agricultural Economics also has a file of the monthly Statistical Review of the New York Market issued by the Urner-Barry Company.

308. Utah. Laws, statutes, etc. Act providing for the regulation of the sale of eggs. (Ch. 85, Laws, 1925)
Not examined.
309. Utah. Laws, statutes, etc. Act to provide for the regulation of traffic in eggs; to provide for the licensing of dealers in eggs; to prevent fraud and misrepresentation by dealers; and to prevent the sale of eggs unfit for human food. (Ch. 21, Laws 1921)
Not examined.
310. Vickers, G. S., and Gray, R. E. Poultry profits in Ohio in 1925. Columbus, 1925. 16 p. (Ohio. State Univ. Agr. col. Ext. serv. Bul. 53)
Contains data for 1925 similar to those for 1924 given in Extension Bulletin v. 21, no. 2, What Poultry Demonstration Farm Records in Ohio show, by Vickers and Gray.
311. Vickers, G. S., and Gray, R. E. What poultry demonstration farm records in Ohio show. Columbus, 1925. 15 p. (Ohio. State univ. Agr. col: Agr. ext: serv. Bul. v.21, no.2)
Tables give general data about the farms for 1924; poultry data averages based on 440 farms for 1924; relation of egg production to receipts, expenses, labor income and investment; relation of egg production and labor income to feed cost per hen and per dozen eggs, size of flock, culling, and mortality; relation of labor income to receipts, expenses and investment; proportion of income from eggs, meat and miscellaneous receipts; relation of egg receipts, meat receipts, and feed costs; breed comparisons in relation to egg production, size of flock, reduction in flock, mortality, labor income, receipts, expenses, and investment; and monthly analysis of records.
312. Virginia. Department of agriculture and immigration. Better eggs for market - better market for eggs. Richmond, 1923. (In its Bul. 190, p. 12-21)
This section of Bulletin 190 consists of a classified description of eggs; a very brief discussion of Virginia and the egg industry; suggestions as to the need for quality poultry and how to care for eggs, a comparison of fertile and infertile eggs; suggestions as to candling, grading, packing, and the protection of eggs on the way to market; a statement as to the tentative classes, standards and grades of eggs proposed by the U. S. Bureau of Agricultural Economics; and a short item "Better market for eggs through co-operation."

313. Virginia. Department of agriculture and immigration. High points in marketing eggs successfully. Richmond, 1926. (In its Bul. 222, p. 10-12)

The necessity of candling eggs and specifications relating to grading, handling, and packing are given.

314. Virginia. Department of agriculture and immigration. Poultry raising in Virginia. Richmond, 1923. 44 p. (Its Farmers' Bul. 6)

"This Bulletin gives concise information regarding the more important phases of chicken raising, and discusses in brief other classes of poultry, such as turkeys, ducks, geese, and guineas."

Pages 28-32 deal with the fattening of poultry, the marketing of poultry and poultry products, shipping live poultry, sorting, packing and shipping eggs, and culling for eggs and for market.

315. Voorhies, F. C. The California poultry industry, a statistical study. Berkeley, 1926. 172 p. (Calif. Agr. Exp. Sta. Bul. 413)

Summarized in New York Produce Review, v. 63, Mar. 16, 1927, p. 822.

Discusses the importance of the industry in the United States and California; the geographic distribution and the development of the industry; egg prices and general commodity prices, United States; purchasing power of eggs in California; comparative prices of eggs in certain cities; purchasing power of eggs and other agricultural commodities, United States; monthly index of purchasing power, San Francisco and Los Angeles; seasonal variations in prices of extra and pullet eggs; the egg-feed price ratio; sources of California poultry feeds; relations between the quotations of pullet and extra eggs on the San Francisco market, and seasonal variation; per capita yearly consumption of eggs in United States and certain foreign countries; egg products; United States standards for eggs; commercial hatcheries in California; receipts of eggs at San Francisco and Los Angeles; daily receipts and prices, San Francisco, and receipts of extra and pullet eggs; markets for California eggs, shipping districts, and shipments; the New York market, and comparative prices, New York and San Francisco; preference for white and brown eggs; cold storage holdings of eggs; prices and purchasing power of chickens in the United States and California and seasonal variation in prices, San Francisco and Los Angeles; receipts of live and dressed poultry, California; cold storage holdings of poultry, Pacific area; per capita consumption of poultry in the United States and Canada; exports and imports of, and international trade in, poultry and poultry products; the tariff on eggs and poultry; and foreign poultry statistics. Numerous tables and charts illustrating the subjects discussed are included.

Cost of Producing Eggs, Sonoma County, California, by M. W. Buster and L. W. Fluharty; p. 146-155. Data cover the period from Nov. 1, 1924, to Oct. 31, 1925. Results are tabulated.

Pages 155-168 contain statistical tables which show number of chickens on farms by divisions and states, 1890, 1900, 1910, 1920 and 1925; number of chicken eggs produced, by divisions and states, 1909, 1919 and 1924, and number per chicken, 1924; number of chickens raised, by division and states, 1909, 1919 and 1924; chickens on hand, California and counties, Jan. 1, 1920, and 1925, and value, Jan. 1, 1925; chickens raised and chicken eggs produced, California and counties, 1919, and 1924, and value 1924; net wholesale quotations, fresh extras, Los Angeles and San Francisco, monthly 1910-Oct. 1926 - pullet eggs, Los Angeles, monthly, Jan. 1917-Oct. 1926, San Francisco, monthly, May 1911-Oct. 1926; and production of eggs on farms, 1925, by states and divisions.

316. Waite, N. J. Direct expansion piping in egg rooms. (In A.S.R.E. Jour., July, 1920, p. 41-47) 295.8 Am32J

A reprint of a paper, with discussion, which was read at the seventh western meeting of the American Society of Refrigerating Engineers, St. Louis, Mo., May 26-28, 1920. A further discussion of this subject at a later meeting of the society is found in the Journal for July, 1921, p. 19-22.

317. Waller, A. G. Report of investigational work in agricultural economics. Trenton, 1924. (In N. J. Agr. Exp. Sta. Annual report, 36th, 1923, p. 166-191)

"Cost of producing 8,893 capons on 66 Burlington County farms, New Jersey": p. 167, table 10.

This table is also given in an article by Mr. Waller entitled Raising Capons Paid Big Profits to Burlington County Poultrymen Last Year (New Jersey Agriculture, v. 5, no. 3, Mar. 1923, p. 6-7).

318. Waller, A. G., and Allen, W. H. Factors in profitable poultry keeping. New Brunswick, 1924. 11 p. (N. J. State agr. col. Ext. serv. Ext. bul. 36)

Records are from White Leghorn flocks reported by farmers. Tables show egg production, returns above monthly costs, returns per bird, seasonal production, decrease in size of flocks, cost per bird, etc.

319. Waller, A. G., and Thompson, W. C. Poultry farming in New Jersey. New Brunswick, 1923. 31 p. (N. J. Agr. Exp. Sta. Circ. 153)

"A condensed, rearranged and slightly revised edition" of N. J. Agr. Exp. Sta. Bul. 329 - Profits and Factors Influencing Profits on 150 Poultry Farms in New Jersey, by Frank App, A. G. Waller, and H. R. Lewis, published March 15, 1918, and reprinted with slight revision Oct. 1, 1919.

This is a report on a survey of 150 poultry farms "whose receipts and expenses were almost exclusively from and for poultry."

A brief discussion of the advantages of New Jersey as a poultry state and general statements concerning the farms surveyed precede the statistical part of the report. The following are titles of statistical tables given:- profits derived from different farm

types in New Jersey and its relation to farm tenure; relation of capital to profits on 150 poultry farms in New Jersey; relation of number of fowls per flock to profits; relation of egg production per hen to labor income; relation of production to building equipment, real estate investment, and value per bird; relation of proportion of pullets per flock to receipts, expenses, capital invested and operator's experience; relation of area per 100 birds to profits, egg production, receipts per hen, per cent mortality, and expenses; egg production and feed consumed, by months; cost of egg production on 100 poultry farms; receipts from 100 poultry farms in New Jersey; relation of two major factors - size of flock and egg production per hen to profits; summary of records from 34 poultry farms, 1921/22; daily egg production from 100 hens necessary to pay feed and incidental expenses and the average daily production in groups having different capacities; and feed necessary to produce a dozen eggs.

320. Ware, J. F., and Smith, R. L. Marketing eggs. Bozeman, 1921. 15 p. (Mont. State col. agr. and mechanic arts. Ext. serv. Bulletin 48)

Gives suggestions as to how to reduce losses and discusses the packing of eggs for shipment, how to organize cooperative marketing associations, the advantages of the association, grading, the Poultry Producers of Central California, Inc., the Montana egg marketing law, and U. S. imports and exports of eggs.

321. Warren, E. G. A successful egg and poultry co-operative society, (In Gt. Brit. Ministry of agr. and fisheries, v. 29, no. 2, May 1922, p. 171-174) 10 G79J

An account of the Framlingham and Eastern Counties Co-operative Egg and Poultry Society, Ltd.

322. Warren, G. F. Prices of farm products in New York. Ithaca, 1923. 63 p. (N. Y. Cornell. Agr. Exp. Sta. Bul. 416)

Yearly increase in prices for 17 years (1897 to 1913), expressed as a percentage of the middle year, 1905 (eggs included), p. 17, table 7.

Index numbers of seasonal variation in prices when the yearly average is 100 (includes eggs, fowls and chickens), p. 18, table 8; Eggs, p. 39-40.

Prices paid to producers of eggs and chickens in New York, monthly, Jan. 1910-Dec. 1922, as reported by U. S. Dept. of Agriculture, table 15. Index numbers of same given in table 17. Yearly averages and averages for 1910-1914 are given in table 18.

323. Warren, G. F. Prices of farm products in the United States. Washington. 1921. 72 p. (U. S. Dept. agr. Bul. 999)

Chart showing wholesale prices of eggs, Civil War and World War periods, p. 15; Comparison of prices paid to farmers in different states and wholesale prices (including egg prices), p. 18, table IX;

Chart showing index numbers of prices paid to producers of farm products (including eggs) in the United States 1909-1921, following p. 26; wholesale prices of eggs in New York City for certain months during 1914-1921, average Oct. 1909-July, 1914, and wholesale prices of eggs in Boston for the same months during 1861-1874, and average Oct. 1856-July 1861, p. 34, table XV; prices paid to producers of chickens and eggs in the United States, monthly Aug. 1909-July 1921, with yearly averages, p. 38, 41, 44 table XVII; index numbers for the same, p. 48, 51, 54, table XVIII; purchasing power of the same, p. 58, 61, 64, table XIX.

324. Warren, G. F., and others. Cost accounts for six years on some successful New York farms. Ithaca, 1923. 139 p. (N.Y. Cornell. Agr. Exp. Sta. Bul. 414)

In cooperation with the Bureau of Agricultural Economics, U. S. Dept., of Agriculture.

"Published records of farm business operations:" p.138-139.

Pages 89-97 deal with poultry. Tables give following detailed data: charges and credits for average farm flock of poultry for the years 1915-1918; inclusive; amount and per cent of feed for 7228 head of farm poultry, including feed for young stock, 1915 to 1918; charges and credits for 150.2 animal units of mature commercial poultry, annually 1914-1918; amount and per cent of feed for 150.2 animal units of commercial poultry 1914 to 1918; costs of incubation and costs of raising young poultry, 1915, 1916 and 1917; and amount and per cent of concentrates fed young poultry, 1915 to 1917.

325. Washington (State) College of agriculture. Extension service. Washington agriculture. Part 7, Recommendations and resolutions passed by Economic conference on poultry, Tacoma, Washington, August 30-31, 1926. [Pullman, 1926] [9]p. Mimeographed. (Bul. 134, Part 7) 275.29 W27P

"John S. Carner, Head of Department of Poultry Husbandry. W. D. Buchanan, Extension Specialist in Poultry."

Contains reports of the Committee On Cost of Producing Hatching Eggs, Baby Chicks, and Pullets; Committee on Feeds and Feeding; Committee on Poultry Diseases; Committee on Breeding; and Committee on Marketing.

Cost of producing hatching eggs: p. [2].

326. Washington (State) State college. Division of farm management ... The economics of poultry farming in Western Washington [by George Severance and E. R. Johnson] Pullman, Washington, 1924. 27 p. Mimeographed. 47 W27

This preliminary report, which was issued in cooperation with the U. S. Bureau of Agricultural Economics, is "based on a business analysis of 107 commercial poultry farms in King, Whatcom and Pierce counties for the farm year October 1, 1923 to September 30, 1924, and government reports."

For complete report of survey, see An Economic Study of Poultry Farming in Western Washington, by George Severance. (Wash. Agr. Exp. Sta. Bul. 216)

327. Washington co-operative egg & poultry association. Marketing eggs co-operatively. [Seattle, Prepared by The Birchard Co., 1927] 24 p.
This little booklet tells of the organization and activities of the Washington Co-operative Egg & Poultry Association - its policy, administration, marketing agreements, sales department, auditing department and feed depots; its publication - Washcoegg; the cost of membership; standardizing and grading; and gives a list of grading rules, a description of the sand blast machine for dry-cleaning eggs, a sales chart for 1917-1925, a directory of the association, etc.
328. Watkins, R. L., and Bittenbender, H. A. Care, candling and grading of market eggs. Ames, 1926. 22 p. (Iowa. State col. agr. and mechanic arts. Ext. serv. Ext. serv. bul. 137)
Discusses structure of the egg, grading, candled appearance of fresh eggs, grades, eggs which should not be marketed, packing for market, and prices. Illustrated by charts and pictures.
329. Weiant, A. S. The guinea fowl. Washington, 1924. 13 p. (U. S. Dept. agr. Farmers' bul. 1391)
This bulletin is a revision of, and supersedes, Farmers' Bulletin 858. It was revised by A. P. Lee.
The demand for guinea fowls in the United States, the price, breeding stock and breeding, eggs, incubation, artificial incubation and brooding, feeding, roosting, marketing, etc., are discussed.
330. Weiss, H. B. A survey of the commercial poultry industry of New Jersey; New Jersey poultry breeders. Trenton, 1921. 20 p. (N.J. Dept. agr. Circ. 43)
This is a report on a survey of poultry plants having 300 or more birds which was carried out by the Bureau of Statistics and Inspection and the Bureau of Markets during February, March and April, 1921.
The first six tables give the following data; number of hens and pullets, total number, number of chicks hatched, 1920, and number of chicks raised, 1920, on 432 commercial plants by breeds and by counties; number of poultrymen in each county selling table or market eggs, hatching eggs, baby chicks, pullets, breeding cockerels, breeding stock and market poultry; number of poultrymen in each county in poultry business alone, combined with general farming, with fruit, etc.; number of poultrymen in each county using artificial illumination and kind used; number of hens and pullets, total number of birds, April, 1921, and number of eggs produced, 1920, on 197 plants, by counties. The other tables "deal with breeds and chicks as collected by counties."
Pages 16-20 contain a list of New Jersey poultry breeders classified by breeds raised.

331. Wells, S. D. New-process egg case fillers. (In Paper Trade Jour. v. 82, no. 18, May 6, 1926, p. 60-62) 302.8 P196
This is a report of a test made "to ascertain whether straw could not be converted to board which would not in any way be responsible for flavoring eggs stored therein."
332. Wertz, V. R. A comparison of Ohio and New York egg prices. (In Ohio. Agr. Exp. Sta. Bimonthly bul. v. 12, no. 6, Nov.-Dec. 1927, p. 188-189)
This short article is accompanied by a chart and a table.
333. West, C. J. The New York city live poultry wholesale market [Washington?] 1920. 38 p. Typewritten. 280.3 W523
Copy in Library, U. S. Bureau of Agricultural Economics.
Thesis submitted as a part of the requirements of the United States Civil Service examination, specialist in marketing statistics, April 20, 1923.
The purposes of this study, according to the Introduction, are to show that the live poultry market "furnishes perhaps the clearest example of the direct working of supply and demand on price fluctuations ... to furnish some illustration of the application of scientific methods in statistics ... [and] to analyze the market from the standpoint of the shipper and producer in order to obtain information that may be of assistance to the shipper in timing his consignments and to the producer in regulating the management of his farm." There are numerous charts and tables.
334. Wilbur, O. M. Preparing poultry and eggs for market. Rev. Orono, 1923. 12 p. (Me. Univ. Col. agr. Ext. serv. Bul. 132)
Discusses fattening or finishing, killing, picking, cooling, wrapping heads and packing of poultry; care in keeping eggs, grading, candling and packing eggs for market.
335. Wilbur, O. M. Producing and handling quality eggs. Orono, 1926. 8 p. (Me. Univ. Col. agr. Ext. serv. Bul. 156)
Discusses grades, size, quality, and the getting of the eggs safely to market.
336. Williamson, J. W. A to Z of pigeons. New ed. Sellersville, Pa., Item publishing co., 1921. 88 p. L.C.
"This publication gives the general principles of feeding, management, breeding, marketing, and production of pigeons, as well as descriptions of the different varieties." - Exp. Sta. Record, v. 47, p. 75.
337. Wood, J. H. Poultry raising in Georgia. Athens, 1927. Rev. 62p. (Ga. State col. agr. Bul. 280-v. 11, no. 20)
Popular directions are given for poultry production, management, feeding, etc., and the grading, marketing, etc. of eggs.

338. Woodworth, H. C., Lincoln, L. B., and Richards, H. I. "Can New Hampshire produce more of what she eats?" An economic survey of the demand for certain commodities as indicated by the purchases of retail stores, hotels, and camps within the state. Durham, 1926. [47] p. (N. H. Agr. Exp. Sta. Bul. 222)

Survey made in cooperation with the Bureau of Agricultural Economics, U. S. Department of Agriculture.

Table 1, p. 9, shows amount and estimated value of purchases of agricultural products (including eggs, chickens, turkeys) in New Hampshire by retail stores, hotels and camps from farmers and from others in 1925 during competing and non-competing seasons.

Poultry and eggs: p. 35-37, 41. These sections include tables showing quantity of chickens, turkeys and eggs purchased by retail stores, hotels and camps from local farmers and from others, 1925, by districts of the state, and quantity and per cent of broilers, roasters and fowls purchased from others than local farmers in the White Mountain area and a chart showing seasonal distribution of poultry purchases by 1 company in Concord and railroad receipts at Fabyan, N. H., 1925.

Table XVI, p. 40, gives amount of various agricultural commodities purchased from local farmers, 1925, and from others, weekly, 1925.

Table XVIII, p. 46-47, gives amount of various agricultural commodities in 16 New Hampshire cities and towns purchased by retail stores from farmers and from others in 1925.

339. World's poultry congress. 1st, The Hague, 1921. Transactions of the first World's poultry congress at the Hague-Scheveningen. Sept. 5-9, 1921. [Assen, Royal printing establishment: Floralia, 1921] 2 v. 47.9 W89

Partial contents:

V.1- The utility poultry industry in England; a brief review of its present position and future possibilities of development by S. Street-Porter (p. 130-134). - Woman's sphere in the poultry world [British] by E. G. Maidment (p.139-150). - Poultry-keeping as a home industry for women, by N. H. Bell (p. 156-157). - The Irish egg; and its collection, marketing and transport, by P. J. O'Neill (p.158-164). - The egg export of Denmark, by Fr. Müller (p.165-167). - Poitou and Charentes co-operative societies for the collection and sale of eggs, by M. Rozeray, and M. Cail (p. 168-170). - Report on the regulation of international & home trade of eggs, by Paul Mercier (p.171-173). Ordinance relative to the sale of eggs in Paris (p.174-180). - American methods of packing and marketing poultry and eggs, by H. A. McAleer (p. 181-190). - Egg marking, by Achille de Perre (p. 191-192). - History and development of poultry organizations in the United States (p. 193-196). - Eggs by weight, by B. Van Asperen Vervenne (p.197-200). - The value of feathers of fowls, by M. Maire (p.201-205). - Appendix to v. 1: Concerning poultry industry in Italy, by Antonio Pirocchi (p.21-25). - The development of cooperative poultry and egg marketing in the United States, by J. Y. Barber (p. 31-40).

V.II - The evolution of poultry husbandry in the United States, by James E. Rice (p. 106-112). - Progress of the poultry industry in New Zealand, by F. C. Brown (p.122-128). - The home egg trade-domestic and foreign markets, by W. A. Brown (p. 132-135). - Egg-laying competitions in New Zealand, prepared by J. Studholme for J. H. Shaw (p.136-142). - a paper by E. G. Brown "on a successful English society which has made a speciality of eggs by way of coöperation" (p.143-146). - Poultry keeping in Poland before the war and now, by Mrs. M. Karczewska (p.155-158).

340. World's poultry congress and exhibition, 2d, Barcelona, 1924. Book of the Congress and description of the exhibition. Barcelona, Graphic art co., ltd. [1924] 2 v. in 1. 47.9 W892C

Contents: Part.I. Official documents, accounts of the meetings of the Congress, and description of the exhibition. - Part II. Reports and communications.

Partial contents, Part II. The individual egg production performance record as a basic factor in establishing permanence in the poultry industry, by Willard C. Thompson (p.88-92). - Legislation and its relation to egg trade improvement in Canada, by W. A. Brown (p.179-180). - The poultry and egg industry in Denmark, by W. A. Kock (p.300-302). - Avicultural industry in Czecho Slovakia, by Dr. Maria Kuklova (p.303-314). - The poultry industry in British India, by Mrs. A. K. Fawkes (p. 341-342). - The poultry industry in Burma, by Capt. Geo. E. Johnson (p. 351-354). - The organization of the utility-poultry-industry in the Netherlands, by P. H. Burgers (p.355-363.)- Avian production, the trade in, and consumption of, eggs and poultry in Spain, by José M. Guillén García (p.376-383).

341. Worsham, C. G. Progress report on farm cost of producing crops and livestock in South Dakota in 1922. Brookings, 1923. 25 p. Mimeographed. (S. Dak. Dept. agr. Circ. 7) 2 So84C

South Dakota and United States Department of Agriculture in cooperation with South Dakota State College of Agriculture and Mechanic Arts.

Table IV, p. 6, shows the highest, average and lowest costs of producing poultry and eggs, Oldham, Kingsbury County, 1922.

Poultry and Egg Periodicals

Received Currently in the U. S. Department of Agriculture

- American pigeon journal [monthly] Warrenton, Missouri.
American pigeon keeper [monthly] Geneva, Ill.
American poultry advocate [monthly] Syracuse, N. Y.
American poultry association news [quarterly] Fort Wayne, Ind.
American poultry journal [monthly] Chicago, Ill.
American racing pigeon news [monthly] Norristown, Pa.
Archiv für geflügelkunde; monatschrift für förderung der zusammenarbeit von wissenschaft und praxis. Berlin, Germany.
- Butter, cheese and egg journal [weekly] Milwaukee, Wis.
- The Cackler [monthly] Published by the Pacific egg producers cooperative, New York City.
Canadian poultry journal [monthly] Toronto, Ontario.
Canadian poultry review, devoted to poultry in all its branches [monthly] Toronto, Ontario.
Cooperative poultryman [monthly] Published by the Poultry Producers of Southern California. Los Angeles, Calif.
- Dixie poultry journal [monthly] Nashville, Tenn.
Drúbežnický obzor (Priloha Československého zemědělce) [monthly] Prague.
Poultry review.
Supplement to Československý zemědělec with which it is issued and bound.
Organ of "Drúbežnické jednoty Československé republiky," Prague.
- The Eggsaminer [monthly] Published by the Pacific cooperative poultry producers, Portland, Oreg.
Everybody's poultry magazine [monthly] Hanover, Pa.
- The Fancier's guide [monthly] Geneva, Ill.
Feathered warrior [monthly] Hialeah, Fla.
The Feathered world, a weekly paper devoted to home and fancy poultry, homing and fancy pigeons, cage and wild birds. London, England.
- Gaceta de granja [monthly] Buenos Aires, Argentina.
"Organo oficial de la Asociación argentina criadores de aves, conejos y abejas."
Der Geflügel-züchter, monatlich. Hamburg, Wisconsin.
- The Harper Adams utility poultry journal [monthly] Newport, England.
Hints to poultrymen [monthly] New Brunswick, New Jersey. Agricultural experiment station. Dept. of poultry husbandry.
- Inland poultry journal [monthly] Indianapolis, Ind.
- Lake Region farm poultry news [monthly] Published by the Lake Region cooperative egg and poultry exchange, St. Paul, Minn.
Leghorn world [monthly] Waverly, Iowa.
- Modern poultry breeder [monthly] Zeeland, Mich.

National farm poultry journal [monthly] Minneapolis, Minn.

The National poultry journal [weekly] London, England.

"Organ of the National Utility Poultry Society."

New England poultryman [monthly] Boston, Mass.

Northwest poultry journal [monthly] Salem, Oreg.

Nulaid news [monthly] Published by the Poultry producers of Central California, Inc., San Francisco, Calif.

"O, K." Poultry journal [monthly] Mounds, Okla.

Pacific poultry breeder [monthly] San Jose, Calif.

Pacific poultrycraft [monthly] Los Angeles, Calif.

Pacific poultryman [monthly] Seattle, Wash.

Pigeon news [monthly] Medford, Mass.

Plymouth rock monthly. Waverly, Iowa.

Poultry and poultry husbandry; the journal for the fancier, amateur and poultry farmer [weekly] London, England.

Poultry association hen coop [monthly] Published by the Tulare cooperative poultry association, Tulare, Calif.

The Poultry bulletin [monthly] Sydney [etc.] N.S.W., Australia.

"Devoted solely to the advancement of purebred poultry culture."

Poultry farmer [monthly] Indianapolis, Ind.

Poultry herald [monthly] St. Paul, Minn.

Poultry item [monthly] Sellersville, Pa.

Poultry keeper [monthly] Quincy, Ill.

The Poultry quarterly; devoted to poultry and the breeders thereof. Published by authority of Georgia State poultry breeders association. Marietta, Ga.

Poultry science [bi-monthly] Urbana, Ill.

Poultry success [monthly] Springfield, Ohio.

Poultry tribune [monthly] Mount Morris, Ill.

Reliable poultry journal [monthly] Dayton, Ohio.

Revista avícola peruana [monthly] Lima, Peru.

"Organo oficial de la Asociación peruana de avicultura."

La Revue avicole; Bulletin mensuel de la Société centrale d'aviculture de France. Paris, France.

Rhode Island red journal [monthly] Waverly, Iowa.

San Diego poultry journal [semimonthly] Published by the Poultry producers of San Diego, San Diego, Calif.

The South African poultry magazine and small-holder [monthly] Bloemfontein, S. A.

"The official organ of the South African Poultry Association."

Stock keeper, Scottish kennel and poultry news [weekly] Edinburgh, Scotland.

Turkey world [monthly] Chicago, Ill.

The United States egg and poultry magazine [monthly] Waterloo, Iowa.

Washcoegg [weekly] Published by the Washington cooperative egg and poultry association, Seattle, Wash.

Weekly poultry journal: the commercial poultryman's newspaper. Petaluma, Calif.

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