

State of Iowa

1926

Fortieth Annual Report

Dairy and Food Division

OF THE

Iowa Department of Agriculture

For the Year Ending December 31, 1926

Reprinted from the
Twenty-Seventh Annual Year Book
of Agriculture

Issued by the
Iowa Department of Agriculture
Des Moines, Iowa

Published by
THE STATE OF IOWA
Des Moines

State of Iowa
1926

Fortieth Annual Report
Dairy and Food Division

LETTER OF TRANSMITTAL

HON. JOHN HAMMILL, Governor: Iowa Department of Agriculture






Sir: I have the honor to transmit herewith the Fortieth Annual Report of the Dairy and Food Division of this department for the year ending December 31, 1926, as a part of the twenty-seventh Iowa Year Book of Agriculture.

M. G. THORNBURG,
Secretary, Iowa Department of Agriculture.

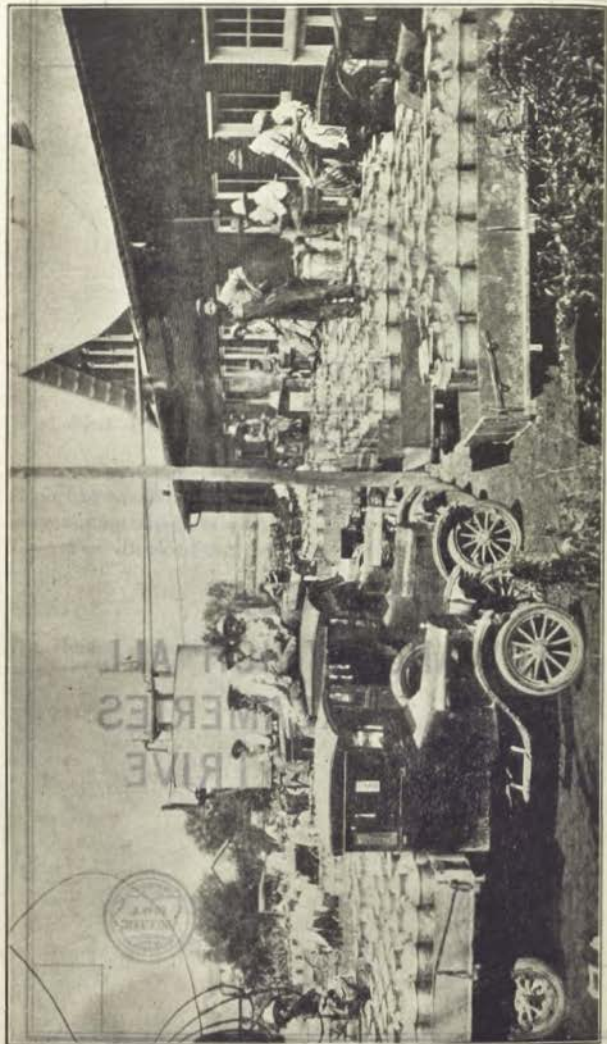
Des Moines, January 1, 1927.

Iowa Department of Agriculture
Des Moines, Iowa

THE STATE OF IOWA
Des Moines



**THE GOAL
TOWARD WHICH ALL
IOWA CREAMERIES
SHOULD STRIVE**



Strawberry Point Co-operative Creamery
State Brand

DEPARTMENT OF AGRICULTURE

Des Moines, Iowa

M. G. THORNBURG,
Secretary

C. N. KENNEDY,
Assistant Secretary

OFFICERS AND EMPLOYEES OF THE DAIRY AND FOOD DIVISION

| | | |
|------------------------------|--------------------------|----------------|
| Chief | R. G. Clark | Des Moines |
| Chief of Inspectors | B. O. Brownlee | Des Moines |
| Chief Chemist | E. L. Redfern | Des Moines |
| Assistant Chemist | R. C. Meehan | Des Moines |
| Chief Record Clerk | C. S. Bogle | Des Moines |
| Chief Clerk | A. W. Day | Des Moines |
| License Clerk | R. V. Barker | Des Moines |
| State Inspector | J. B. Frisbie | Sheldon |
| State Inspector | F. L. Odell | Sioux Rapids |
| State Inspector | T. A. Clarke | West Bend |
| State Inspector | Guy Thomas | Clear Lake |
| State Inspector | Roy Scoles | Nashua |
| State Inspector | C. N. Hart | McGregor |
| State Inspector | D. T. Broers | Dyersville |
| State Inspector | G. H. Guthrie | Davenport |
| State Inspector | F. D. Payn | Muscatine |
| State Inspector | Burr Willits | Burlington |
| State Inspector | A. A. Nolte | Ottumwa |
| State Inspector | L. E. Utterback | Charlton |
| State Inspector | J. W. Milnes | Creston |
| State Inspector | R. E. Long | Shenandoah |
| State Inspector | S. S. Rygh | Council Bluffs |
| State Inspector | W. A. Carrier | Sioux City |
| State Inspector | B. F. Schultz | Sac City |
| State Inspector | Elmer Reed | Fort Dodge |
| State Inspector | A. D. Fiete | Iowa Falls |
| State Inspector | A. L. Landis | Waterloo |
| State Inspector | F. W. Stephenson | Oelwein |
| State Inspector | W. W. Newland | Cedar Rapids |
| State Inspector | O. P. Thompson | Iowa City |
| State Inspector | A. E. Robertson | Oskaloosa |
| State Inspector | Peter White | Atlantic |
| State Inspector | E. E. Mittlestadt | Carroll |
| State Inspector | C. E. Behnke | Ames |
| State Inspector | Fred Susie | Marshalltown |
| State Inspector | H. E. Ritter | Des Moines |
| State Inspector | H. W. McElroy | Des Moines |
| Heavy Scale Inspector | E. J. Nolan | Des Moines |
| Heavy Scale Inspector | A. B. Briggs | Ottumwa |
| Heavy Scale Inspector | Frank Johnson | Des Moines |
| Assistant Record Clerk | Agnes L. Hermansen | Des Moines |
| Stenographer | Evelyn Rees | Des Moines |
| Stenographer | Helen T. Hackley | Des Moines |
| Stenographer | Ann Murphy | Des Moines |
| Stenographer | Mildred Ldell | Des Moines |
| Janitor | A. J. Newquist | Des Moines |

REPORT OF DAIRY AND FOOD DIVISION

DAIRY COMMISSIONERS

| NAME | County | From Which Chosen | Appointment Date of First | Years Served |
|--------------------------|----------|-------------------|---------------------------|--------------|
| Henry D. Sherman..... | Jones | | May 1, 1886..... | 1886—1890 |
| Augustus C. Tupper..... | Mitchell | | May 1, 1890..... | 1890—1894 |
| William K. Boardman..... | Story | | May 1, 1894..... | 1894—1898 |
| Levi S. Gates..... | Delaware | | May 1, 1898..... | 1898—1898 |
| Byron P. Norton..... | Howard | | Nov. 8, 1898..... | 1898—1902 |
| Herbert R. Wright..... | Polk | | May 1, 1902..... | 1902—1906 |

DAIRY AND FOOD COMMISSIONERS

| | | | | |
|------------------------|----------|-------|-------------------|-----------|
| Herbert R. Wright..... | Polk | | July 1, 1906..... | 1906—1910 |
| William B. Barney..... | Franklin | | May 1, 1910..... | 1910—1922 |
| Russell G. Clark..... | Hamilton | | May 1, 1922..... | 1922—1923 |

CHIEF DAIRY AND FOOD DIVISION

| | | | | |
|-----------------------|----------|-------|-------------------|-------|
| Russell G. Clark..... | Hamilton | | July 1, 1923..... | 1923— |
|-----------------------|----------|-------|-------------------|-------|

Note: Name of Office changed by Act of Thirty-first General Assembly to Dairy and Food Commission. On July 1, 1923, the Office of Dairy and Food Commission was made a division in the newly created Department of Agriculture.

LAWS ENFORCED BY THE DEPARTMENT

| | |
|---------------------------------|-----------------------------|
| Dairy Law | Turpentine Law |
| Pure Food Law | Weights and Measures Law |
| Agricultural Seed Law | Sanitary Law |
| Concentrated Feeding Stuffs Law | Cold Storage Law |
| Stock Tonic Law | Commercial Fertilizer Law |
| Paint and Linseed Oil Law | Mattress and Comfort Law |
| Insecticide and Fungicide Law | Egg Law |
| Restaurant Law | Hotel and Rooming House Law |
| Oil Inspection Law | Iowa Trade Mark Law |
| Container Law | Rendering Plant Law |
| Pasteurization Law | |

FOREWORD

Iowa is not of necessity a dairy state, as her soil, climate and location are all too well adapted for the production of corn, hogs, fat cattle and general farming to confine herself to the dairy cow alone. Each year we are brought more and more to the realization that the dairy cow is not out of place on any farm regardless of what that farm may specialize in. A few good, high producing cows will fit into any kind of farming and coupled with the hen, they provide that which is very acceptable to the farmer whose yearly income is largely tied up in growing stock or grain, a daily revenue.

To say, put all your eggs in one basket and then watch that basket, may appeal to the plunger, but we feel that our state has had enough plunging for one decade. The farmer who during the last six years has husbanded his resources by utilizing his land, his stock and his time to the best of advantage, is the man who has weathered the financial storm of that period. His returns from that policy may be slow, but they are sure, and we feel that this division's annual report for 1926, justifies that conclusion.

DAIRYING

Cheap feed for production and good prices for the finished product, put 1926 on a par with 1925 as a profitable year for the Iowa dairyman.

The total production of creamery butter for the year was 172,257,863 pounds, an increase over 1925 of 6,422,291 pounds. Its value has been put as \$75,322,441.77, as against \$66,334,150.66 for the year before. For the first time in ten years the amount of creamery butter consumed at home has shown a decrease, it being 26,524,267 pounds, as compared with 28,418,348 pounds for the year before, a decrease of almost two million pounds. On the whole, it was the dairyman's year.

We here give the comparative prices of extras on the New York market for the last seven years:

| AVERAGE PRICE | AVERAGE PRICE | AVERAGE PRICE |
|--------------------------|--------------------|----------------|
| 1920—First 6 mos. 64.90c | Last 6 mos. 58.26c | 12 mos. 61.44c |
| 1921—First 6 mos. 42.92c | Last 6 mos. 45.28c | 12 mos. 43.25c |
| 1922—First 6 mos. 37.22c | Last 6 mos. 43.89c | 12 mos. 40.53c |
| 1923—First 6 mos. 46.27c | Last 6 mos. 47.31c | 12 mos. 46.79c |
| 1924—First 6 mos. 44.80c | Last 6 mos. 40.43c | 12 mos. 42.61c |
| 1925—First 6 mos. 42.94c | Last 6 mos. 47.50c | 12 mos. 45.22c |
| 1926—First 6 mos. 42.29c | Last 6 mos. 46.46c | 12 mos. 44.38c |

Since 1920 the increase in production of creamery butter has been 100 per cent, while the increase in dairy cows during that same period was only 30 per cent, and the increase in creameries only 13 per cent, all of which shows that our creameries are turning out more per creamery and that our cows are producing more butterfat per cow. Three years ago there were 25,264 dairy cows shipped into this state. Two years ago there were 15,884 cows shipped into this state; a decrease of 9,380, which shows an increase of the local pure bred. This year we do not have the exact figures, but there was approximately a decrease of 20 per cent from the number that came into the state last year, all of which indicates that our local dairy herds are approaching the time when they will take care of all the increase. The cows that were brought in last year were of a much better grade.

At the time that the question of an increased tariff on butter was before the tariff commission, it was a debatable question with many, as there were those who thought an eight-cent tariff was sufficient to protect our home market from the foreign invasion of butter. This year we have experienced a situation hardly contemplated a few years ago, and that is, shipments of foreign butter coming into this country and paying even a twelve-cent tariff. Our butter productions and our consumption demands are so nearly equal that there is a danger point to which our prices can go, for beyond that we invite foreign imports. This danger point is not a fixed price. It varies more or less with foreign prices. Last year 8,029,000 pounds of butter was imported into this country, largely during the last three months, with the result that the New York market of 56 cents for 92 score butter, soon receded to below 50 cents. We are furthermore beginning to realize that our tariff is weak on the question of cream, as thousands of pounds of butterfat are coming in from Canada in the form of cream.

The increase in the make of butter here in Iowa during the last

few years has been in a sense marvelous, yet it has been taken care of by the trade and there is every indication that the consumption demand will take care of future increases.

If there is any one phase of dairying on which we all agree, it is a quality product. There is altogether too much butter going onto the market from this state that scores below 90 per cent. This department, therefore, continues to be particularly interested in that small group of creameries known as State Brand Creameries, about which more will be said, in this report, under that head.

By adding our creamery production to the amount of farm-made butter we have a total of 197,257,863 pounds as Iowa's butter production for 1926. This is a gain of 6,422,289 pounds for our creameries and a shrinkage of 1,000,100 pounds on dairy butter.

TOTAL VALUE DAIRY PRODUCTS—1926

| | | |
|---------------------------|-----------------------|------------------|
| Creamery Butter | 172,257,863 lbs. | \$ 75,322,441.77 |
| Ice Cream | 6,500,000 gal. | 6,175,000.00 |
| Sweet Cream | 11,000,000 lbs. (40%) | 2,376,000.00 |
| Market Milk | 900,000,000 lbs. | 21,000,000.00 |
| Cheese | 900,000 lbs. | 190,000.00 |
| Cottage Cheese | 2,000,000 lbs. | 240,000.00 |
| Farm Dairy Butter..... | 25,000,000 lbs. | 10,000,000.00 |
| Condensed Milk | 15,088,745 lbs. | 1,327,423.58 |
| Skim Milk and Butter Milk | 4,650,000,000 lbs. | 13,950,000.00 |
| Calves | 1,000,000 | 3,000,000.00 |
| Fertilizer | 11,000,000 ton | 11,000,000.00 |
| | | \$144,580,865.35 |

In referring to the decrease in the consumption of creamery butter, we note the decrease was in the creamery butter sold to the public other than patrons. The following table shows the amount of creamery butter consumed in Iowa during the last ten years:

CREAMERY BUTTER SOLD IN IOWA 1917-1926

| | |
|------------|-----------------|
| 1917 | 12,958,678 lbs. |
| 1918 | 16,827,457 lbs. |
| 1919 | 15,842,119 lbs. |
| 1920 | 18,719,251 lbs. |
| 1921 | 22,627,283 lbs. |
| 1922 | 25,714,769 lbs. |
| 1923 | 25,480,078 lbs. |
| 1924 | 27,213,957 lbs. |
| 1925 | 28,518,348 lbs. |
| 1926 | 26,524,267 lbs. |

The dairy or farm butter added to the creamery butter, makes a total of 51,524,267 pounds consumed in Iowa in 1926, an average of 21.3 pounds per capita.

The following table shows for what the six and three-quarter

billion pounds of milk produced by Iowa's 1,314,000 cows was used.

| | |
|------------------------------------|---------------------------|
| Milk used in Creamery Butter | 4,921,000,000 lbs. |
| Milk used in Sweet Cream | 125,720,000 lbs. |
| Milk used in Ice Cream | 121,000,000 lbs. |
| Milk used in Market Milk | 900,000,000 lbs. |
| Milk used in Cheese | 10,000,000 lbs. |
| Milk used in Farm Butter | 625,000,000 lbs. |
| Milk used in Condensed Milk | 30,990,000 lbs. |
| | 6,737,810,000 lbs. |

The tendency toward the creamery and away from the farm in butter production continues, as the following tables show:

BUTTER PRODUCTION IN THE UNITED STATES

| | Farm Butter | Creamery Butter |
|------------|--------------------|--------------------|
| 1899 | 1,071,626,000 lbs. | 420,127,000 lbs. |
| 1909 | 994,761,000 lbs. | 627,146,000 lbs. |
| 1919 | 707,666,000 lbs. | 873,907,000 lbs. |
| 1923 | 610,000,000 lbs. | 1,254,118,000 lbs. |
| 1924 | 600,000,000 lbs. | 1,355,080,000 lbs. |
| 1925 | 590,000,000 lbs. | 1,360,000,000 lbs. |

BUTTER PRODUCTION IN IOWA

| | Farm Butter | Creamery Butter |
|------------|-----------------|------------------|
| 1899 | 80,000,000 lbs. | 87,972,470 lbs. |
| 1924 | 25,000,000 lbs. | 140,497,549 lbs. |
| 1925 | 26,000,000 lbs. | 165,835,374 lbs. |
| 1926 | 25,000,000 lbs. | 172,257,863 lbs. |

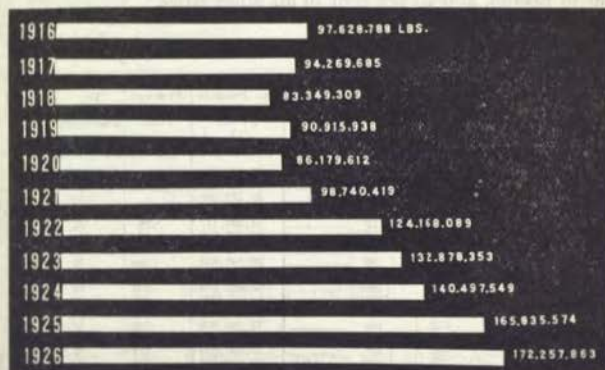
THE IOWA CREAMERY

Eighty-seven and one-half per cent (87½%) of Iowa's production of butter is made in the creamery. What dairy or farm butter we have is consumed mostly on the farms. The pound print wrapped in parchment, incased in a neat carton, and sold under the creamery's own brand, is very popular with both buyer and seller. Our creamery butter is largely made from cream—not over 4½ per cent is made from whole milk. More of our creameries are each year urging the delivery of No. 1 or sweet cream, and are paying differentials of at least five cents between that and sour cream. Cream direct from the hand separator, properly handled, can be made into 93 or 94 per cent score butter, by the creamery operator.

We have three classes of creameries here in Iowa—the individual or privately owned, the centralizer or central churning plant for a large territory, and the co-operative or the creamery owned and managed by its patrons. There are 124 individual owned creameries—seven less than a year ago. The centralizers made a gain of

two—there now being 57. They also stepped into first place for the amount of butter manufactured, which totalled 80,373,430 pounds. Our co-operatives also made a slight gain—there now being 274 as against 262 a year ago. They made 73,712,014 pounds of butter. Woodbury county with its six creameries, all centralizers but one, and located in Sioux City, leads in the amount of butter manufactured. These creameries have to their credit, 31,262,749 pounds for the year. Clayton county continues to lead in the number of pounds of butter made from milk or cream produced within the county. The seventeen creameries turned out last year 5,482,823 pounds.

Fayette county as a runner-up, made 5,270,501 pounds in her eighteen creameries. Bremer county remains our banner county for the number of creameries. She also leads in co-operatives. All her twenty-two, except one individually owned, are co-operative in



Creamery Butter Production in Iowa
Last Ten Years

their organization. Our state brand creameries are distributed among the different counties as follows: Fayette, 6; Bremer, 5; Worth, 4; Kossuth, 3; Clayton, 2. The following have one each: Sioux, Winnebago, Palo Alto, Cerro Gordo, Emmet and Floyd.

The following table gives the number of patrons, number of cows, and the amount of milk and cream it took to make the 172,257,863 pounds of butter:

| | |
|----------------------|------------------|
| Milk Received | 204,180,153 lbs. |
| Cream received | 402,473,478 lbs. |

| | |
|------------------------------------|------------------|
| Pounds of butter made..... | 172,257,863 lbs. |
| Pounds sold to patrons..... | 5,576,850 lbs. |
| Pounds sold in Iowa..... | 20,947,416 lbs. |
| Pounds sold outside the state..... | 142,706,318 lbs. |
| Total number of patrons..... | 182,762 lbs. |
| Total number of cows..... | 1,150,944 lbs. |
| Yearly average of fat per cow..... | 142 lbs. |

(The fat in the milk and butter used on the farm was added)

The estimated amount of dairy butter made in Iowa last year was twenty-five million pounds. This was practically all consumed in the state, mostly on the farm. Add the twenty-five million pounds of dairy butter to the total amount of creamery butter made and you have a total of 197,253,000 pounds of butter made in the state. One hundred forty-two and two-thirds million pounds of creamery butter was shipped out of the state last year. It is estimated that one-half of this or 50 per cent, went to New York, 16 per cent to Chicago, 6 per cent to Philadelphia, 3 per cent to Boston, and 25 per cent to all other cities.

GROWTH OF CREAMERY INDUSTRY IN IOWA

| Year | No. of Creameries | No. of Skim Stations | Central Churning Plants | No. Pounds Creamery Butter | Average New York Price | No. Cheese Factories | No. of Condensers |
|------|-------------------|----------------------|-------------------------|----------------------------|------------------------|----------------------|-------------------|
| 1890 | 682 | | | 71,255,796 | | 93 | |
| 1901 | 705 | | | 68,600,710 | | 111 | |
| 1872 | 775 | | | 90,112,981 | | 113 | |
| 1873 | 790 | | | 54,372,002 | .30 | 110 | |
| 1874 | 800 | | | 54,500,417 | .22 | 64 | |
| 1895 | 850 | 33 | | 66,407,108 | .22 | 83 | |
| 1896 | 774 | 99 | | 80,082,916 | .219 | 73 | |
| 1897 | 795 | 96 | | 88,900,000 | .188 | 76 | |
| 1898 | 811 | 143 | | 87,704,214 | .197 | 67 | |
| 1899 | 779 | 128 | | 87,373,470 | .203 | 69 | |
| 1890 | 797 | 107 | | 84,956,002 | .227 | 73 | |
| 1901 | 799 | 161 | | 82,706,944 | .216 | 72 | |
| 1902 | 732 | 168 | | 77,885,600 | .242 | 52 | |
| 1903 | 682 | 199 | | 64,565,970 | .242 | 45 | |
| 1904 | 559 | 105 | | 70,000,000 | .214 | 27 | |
| 1905 | 573 | 82 | 20 | 82,707,588 | .243 | 39 | |
| 1906 | 548 | 48 | 29 | 91,332,354 | .267 | 27 | |
| 1907 | 539 | 84 | 75 | 91,161,363 | .282 | 13 | |
| 1908 | 514 | 36 | 82 | 101,552,938 | .285 | 9 | |
| 1909 | 524 | 19 | 99 | 103,007,216 | .288 | 9 | |
| 1910 | 485 | 9 | 80 | 93,911,000 | .303 | 5 | |
| 1911 | 468 | 1 | 33 | 96,005,584 | .321 | 9 | |
| 1912 | 504 | | 36 | 91,738,373 | .312 | 6 | |
| 1913 | 538 | | 49 | 96,333,183 | .324 | 11 | |
| 1914 | 500 | | 15 | 92,865,921 | .30 | 12 | |
| 1915 | 467 | | 42 | 80,834,065 | .302 | 11 | 3 |
| 1916 | 443 | | 41 | 97,028,788 | .325 | 13 | 3 |
| 1917 | 453 | | 43 | 94,230,885 | 42.7 | 24 | 3 |
| 1918 | 462 | | 44 | 83,348,309 | 31.9 | 19 | 3 |
| 1919 | 398 | | 42 | 90,915,528 | 60.3 | 20 | 3 |
| 1920 | 359 | | 41 | 89,179,612 | 61.5 | 17 | 3 |
| 1921 | 414 | | 40 | 98,749,519 | 43.4 | 19 | 3 |
| 1922 | 422 | | 50 | 124,128,080 | 46.7 | 5 | 3 |
| 1923 | 439 | | 50 | 132,878,323 | 46.8 | 5 | 3 |
| 1924 | 445 | | 55 | 140,497,549 | 42.5 | 5 | 3 |
| 1925 | 448 | | 56 | 165,834,574 | 45.2 | 9 | 3 |
| 1926 | 455 | | 57 | 172,257,863 | 44.4 | 9 | 3 |

BUTTER PRODUCTION FOR 1923

| | No. Creameries | Butter Made | Average Price Paid Patron |
|-----|-------------------------------|------------------|---------------------------|
| 227 | Co-operative creameries | 50,772,138 lbs. | 45.3 cents |
| 158 | Individual creameries | 23,394,560 lbs. | 40.2 cents |
| 50 | Centralizer creameries | 58,711,655 lbs. | 39.27 cents |
| 435 | | 132,878,353 lbs. | |

BUTTER PRODUCTION FOR 1924

| | No. Creameries | Butter Made | Average Price Paid Patron |
|-----|-------------------------------|------------------|---------------------------|
| 260 | Co-operative creameries | 64,372,217 lbs. | 45.5 cents |
| 130 | Individual creameries | 15,758,774 lbs. | 43.8 cents |
| 55 | Centralizer creameries | 60,373,682 lbs. | 42.6 cents |
| 445 | | 140,504,673 lbs. | |

BUTTER PRODUCTION FOR 1925

| | No. Creameries | Butter Made | Average Price Paid Patron |
|-----|-------------------------------|------------------|---------------------------|
| 262 | Co-operative creameries | 74,152,506 lbs. | 43.5 cents |
| 121 | Individual creameries | 19,202,435 lbs. | 40.2 cents |
| 55 | Centralizer creameries | 72,480,663 lbs. | 40.9 cents |
| 448 | | 165,835,574 lbs. | |

BUTTER PRODUCTION FOR 1926

| | No. Creameries | Butter Made | Average Price Paid Patron |
|-----|-------------------------------|------------------|---------------------------|
| 274 | Co-operative creameries | 73,712,010 lbs. | 47. cents |
| 124 | Individual creameries | 18,172,453 lbs. | 43. cents |
| 57 | Centralizer creameries | 80,373,400 lbs. | 42. cents |
| 455 | | 172,257,863 lbs. | |

STATE TRADE-MARK

Perhaps it will not be out of place to review here, the purpose of the "State Trade-Mark" for butter, and an outline of the rules and regulations governing the use of same—

"For the purpose of insuring a higher standard of excellence and quality, a more uniform market, a higher market value for the butter manufactured in the state, and to secure a more healthful product for consumption at home and abroad" the state trade-mark was created by the thirty-sixth general assembly. The control of said trade-mark is placed under the supervision of an executive committee, consisting of the president of the Iowa state dairy association, president of the Iowa state buttermakers' association, dean of the division of agriculture of the Iowa State College, the professor of dairying of the same institution and the

secretary of agriculture. This committee is authorized to make such rules concerning the manufacture, distribution, and use of said trade-mark as may be deemed necessary.

In order to use the state trade-mark on its butter, a creamery must meet the requirements of the Iowa sanitary law, and score 85 per cent in accordance with the Iowa state score card for creameries. Seventy-five per cent (75%) of its butter must score not less than 93 points, and none should score less than 92 per cent. At no time must more than 25 per cent of its butter score less than 93 per cent. State trade-mark butter must comply with both the fat and moisture standards, that is, it should contain 80 per cent fat and less than 16 per cent moisture. No preservative,



Trade-Mark Adopted for First Quality Iowa Butter

neutralizer or adulterant shall be added to its butter or to the cream from which the butter is manufactured, and the cream from which said butter is made must have been pasteurized, either in the form of milk or cream. These creameries are also required to enter their butter at such public scorings as the executive committee may designate.

Bulletin No. 16 contains the complete rules and regulations of the executive committee and may be had on request to the department.

There are at present twenty-six creameries that have met all the requirements and are entitled to use the state trade-mark on their butter. Four of these, the Volga Farmers' Creamery Association, the Ringsted Co-operative Creamery, the Farmers Creamery of Arlington, and the Niles Creamery of Niles, were added in 1926.

The butter from these state trade-mark creameries sells at a premium over New York Extras, and their reports shows that on an average they paid their patrons an average price of a fraction less than fifty cents per pound for butterfat last year. A movement is now on foot to organize these creameries into a selling organization, whereby advantage can be taken of the brand, as well as of the quality of the product, which coupled with a liberal amount of advertising, will create an even better market for their butter than they enjoy now. Several meetings have been held during the last year. Each meeting found the sentiment more and more in favor of an organization of this kind, until now its consummation is assured. There is an opportunity here that should be taken advantage of, as it may mean much to the co-operative creameries of the state.

STATE BRAND CREAMERIES

| | |
|---|-------------------------------|
| Strawberry Point Co-op. Creamery, Straw- | |
| berry Point | Otto F. Wegers..... No. 1 |
| Farmers Creamery Co., Manly..... | Ed. M. Anderson..... No. 2 |
| Algona Co-op. Creamery Co., Algona..... | M. P. Christiansen..... No. 4 |
| Farmers Co-op. Creamery Ass'n, Hull..... | O. W. Albright..... No. 7 |
| Center Valley Creamery Co., Sumner..... | R. J. Allenstine..... No. 8 |
| Lake Mills Creamery Co., Lake Mills..... | Carl Hoveland..... No. 9 |
| Tripoll Creamery Co., Tripoll..... | H. C. Ladage..... No. 12 |
| Farmers Co-op. Creamery Ass'n, Tenold..... | Elmer Anderson..... No. 13 |
| Denver Creamery Co., Denver..... | W. J. Spurbeck..... No. 14 |
| Klinzer Creamery Co., Readlyn..... | Henry Segebath..... No. 15 |
| Readlyn Creamery Co., Readlyn..... | H. A. Griese..... No. 16 |
| Farmers Co-op. Creamery Co., Oelwein..... | F. H. Harms..... No. 18 |
| Siegel Creamery Co., Tripoll..... | W. Behrens..... No. 19 |
| Lost Island Creamery Co., Graettinger..... | Elmer Nelson..... No. 21 |
| Harlan Mutual Co-op. Gry. Co., Maynard..... | Glen Mittlestadt..... No. 20 |
| Plymouth Co-op. Creamery Co., Plymouth..... | M. Mikkelson..... No. 22 |
| Farmers Butter & Cheese Ass'n, Northwood..... | H. C. Stendal..... No. 23 |
| Farmers Creamery Co., Grafton..... | Peter Refsdahl..... No. 24 |
| Fenton Co-op. Creamery, Fenton..... | Fred Knecker..... No. 25 |
| Randalla Mutual Creamery Co., Randalla..... | W. A. Rizer..... No. 26 |
| Whittemore Farmers Creamery, Whittemore..... | O. J. Kloock..... No. 27 |
| Alpha Farmers Creamery Co., Alpha..... | Phil. Lusson..... No. 28 |
| Volga Farmers Creamery Ass'n, Volga City..... | F. F. Gerrand..... No. 29 |
| Ringsted Co-op. Creamery, Ringsted..... | J. C. Jensen..... No. 30 |
| Farmers Creamery Co., Arlington..... | E. J. Primus..... No. 32 |
| Niles Creamery, Colwell..... | Earl F. Regel..... No. 31 |

CHEESE

To say much about the manufacture of cheese in Iowa is about as easy as the historical edict of "Making bricks without straw," a lack of material in either case. With only seven small factories making hardly ten per cent of our consumption, the cheese industry in the state is not a subject to get enthusiastic over. That Iowa should at least make her own cheese goes without question, and

some day she will do it. Until then there is little to be said at this time beyond what was done this last year. In our report for 1925 Iowa was credited with nine factories with a total output of 900,000 pounds valued at \$190,000.00. For 1926 we can report only seven factories with a make of 850,000 pounds valued at \$175,000.00.

If the Iowa State College at Ames is given a new dairy building



Center Valley Creamery Association, Sumner
State Brand

by the legislature this winter, Professor Mortensen informs us that special attention will be given to the manufacture of cheese in all its forms. The cheese department will be fully equipped and every effort will be made to create a greater interest in the making and consumption of cheese here in Iowa.

IOWA BUTTERMAKERS SLIP A COG

For three years, prior to last, our buttermakers won Gold, Silver and Bronze Medals at both the National Buttermaker Conventions and the National Dairy Shows, until, as a dairy journal put it—it seemed almost useless for any other state to compete. Nevertheless, they did compete and Iowa's winning streak was broken by a narrow margin at the National Buttermakers' Convention, and the much coveted banner went to our rivals on the north. Its cuts that have graced the pages of our annual reports for four different years will be missing in our fortieth annual report. It was won by a scratch, but as we have won by a hair ourselves, we make no

complaint. Minnesota led by a score of 94.5746 for the ten high tubes; Iowa came next with 94.5550; Wisconsin was a close third, 93.3730; and South Dakota trailed with 92.8210. South Dakota was not without her share of glory, as the grand sweepstakes, representing the highest average score for both the storage and fresh butter classes and the high score in the storage class were both won by Joe Jorgensen of Huron, South Dakota. Will Behrens of Waverly, kept Iowa among those present by winning high score in the fresh butter class. In the remaining contests Iowa had to be content with third place. At the National Dairy Exposition



Algona Co-operation Creamery Co.
State Brand

at Detroit our buttermakers were traveling true to form and fared much better than they did later at Sioux Falls. J. C. Jensen of Ringsted won the gold medal in the cold storage butter contest with a score of 95; B. T. Soles of Stout won the gold medal in the Fresh Butter Contest with a score of 94.25; Otto Weger of Strawberry Point won the silver medal for Iowa in the Fresh Butter Contest with a score of 94. Ed. Anderson, Manly, score 93.75, won the gold medal; E. J. Primus, Fairbank, score 94.50, won the silver medal, and E. Anderson, Tenold, score 94, won the bronze medal in the Special Awards for Keeping Purposes. The follow-

ing men tying in the cold storage contest for the bronze medal, each with a score of 93.50, received certificates:

| | |
|----------------------------------|-------------|
| Henry Hansen, Graettinger..... | Score 93.50 |
| John M. Hansen, Coulter..... | " 93.50 |
| E. A. Gudvangen, Hanlontown..... | " 93.50 |
| Fred Kucker, Fenton..... | " 93.50 |
| E. J. Primus, Fairbank..... | " 93.50 |
| Paul Manor, Burt..... | " 93.50 |
| Elmer Anderson, Northwood..... | " 93.50 |

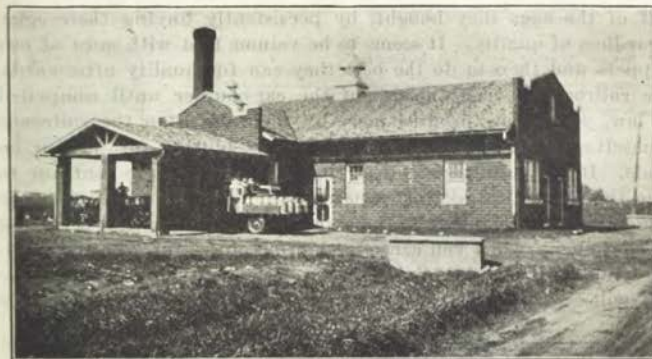
In the Fresh Butter Contest the following Iowans received diplomas:

| | |
|----------------------------------|-------------|
| E. A. Gudvangen, Hanlontown..... | Score 93.50 |
| H. P. Engen, Fertile..... | " 93.50 |
| W. G. Turner, Garrison..... | " 93.50 |
| Wm. F. Wargowskey, Boyden..... | " 93 |
| M. J. Mikkalson, Plymouth..... | " 93 |
| J. P. Jensen, Exira..... | " 93 |
| H. C. Ladage, Tripoli..... | " 93 |
| Watson Shick, Loae Rock..... | " 93 |
| John M. Hansen, Coulter..... | " 93 |
| C. M. Rene, New Hartford..... | " 93 |
| L. E. Nelson, Randall..... | " 93 |

MARKETING OF EGGS

We know of no product that goes into the channels of trade, to which that old saying, "Goods well bought are half sold," would be more applicable than in the buying and selling of eggs, and I know of no product that goes onto our wholesale market where so little attention is paid to the quality of the product bought. Last year was not a satisfactory year for the men who handled the bulk of Iowa's large crop of eggs, a production not equalled by any other state. The trade says the price paid at the production end was too high, which means the eggs were not well bought. We agree the eggs were not well bought, but we are not ready to say the price was too high. The average price received by our farmers was close to twenty-seven cents, which considering what the consumer paid in the eastern cities for a No. 1 Egg or Extras, was not too high, for at least over half of the eggs marketed.

Seventy per cent of the eggs shipped out of the state are consumed east of Chicago. No state is as well situated to put the food quality into an egg as Iowa with her corn-fed poultry. Why then do we continue to produce and market eggs, the best of which are out-sold on the New York market by eggs from the Pacific Coast on the west, and the Atlantic Coast on the east? The average New York price for Extras last year was 45.17 cents, while Pacific



Farmers Co-operation Creamery, Randallia
State Brand

Coast Extras average 52.68 cents and near-by Eastern Extras average 52.46 cents.

The answer is simple enough. With few exceptions there is no local market in this state for the kind of an egg the eastern people seem to be willing to pay the extra price for. In fact, an average of 45.17 cents for Extras would entitle our farmers to more than an average of 27 cents, yet the packer claims he paid too much. What the packers did, was to pay altogether too much for fully



Farmers Creamery, Grafton
State Brand

half of the eggs they bought, by persistently buying their eggs, regardless of quality. It seems to be volume first with most of our shippers and then to do the best they can for quality afterwards. The railroads put off the use of the car-coupler until compelled by law, yet no one profited more by their use than the railroads themselves. Perhaps the law is the only solution for buying on grade. It is uphill work and at times discouraging to continue to urge the farmer to take more pains with his eggs, to spend more time with his flocks, to go to the expense of adding to and bettering his equipment, when you can offer him no outlet for a better product. What we need here in Iowa is a better marketing system, one that will tend to encourage the farmer to follow the good advice



Fenton Cooperative Creamery, Fenton
State Brand

we are all giving him instead of dampening his enthusiasm, as our present method seems to do, one that will compensate him for the extra pains we want him to take.

Now this does not necessarily mean a radical change in the machinery already in operation. There is plenty of capital, equipment, buyers and no lack of transportation. We do not need to alter or displace all this by something else, but rather need a change of heart of those who make up this vast marketing organization. A willingness on their part to break away from the old order and help put our buying on a quality basis.

The legislature should pass a bill establishing grades. These grades should conform as much as possible to the tentative grades put out by the U. S. Department of Agriculture, as indicated by the following:

CHART OF TENTATIVE U. S. GRADES OF EGGS

| Tentative U. S. Grades | Quality Factors | Standard for Each Quality Factor in Each Grade |
|---|--|--|
| U. S. SPECIALS— (A tolerance of 3% of U. S. EXTRAS and 2% of U. S. No. 1 permitted) | Shell | Clean, sound and strong. |
| | Air cell | Localized, regular, 3/16" depth or less. |
| | Yolk | Dimly visible. |
| | White | Firm and clear. |
| | Germ | No development. |
| | Size | Uniform. |
| | Color and weight..... | (As marked on the package). |
| U. S. EXTRAS— (A tolerance of 3% of U. S. No. 1 and 2% of U. S. No. 2 permitted) | Shell | Sound and stain free. |
| | Air cell | Localized, well defined, regular, 5/16" depth or less. |
| | Yolk | Visible. |
| | White | Firm and clear. |
| | Germ | No development. |
| | Size | Reasonably uniform. |
| | Color and weight..... | (As marked on the package). |
| U. S. STANDARDS— (A tolerance of 5% of U. S. No. 2 and 3% loss permitted) | Shell | Sound and stain free. |
| | Air cell | Localized, regular, 7/16" depth and less. |
| | Yolk | Visible but mobile. |
| | White | Reasonably firm. |
| | Germ | Development not over 1/4" diameter. |
| | Size | Variable. |
| | Color and weight..... | (As marked on the package). |
| U. S. TRADES— (A tolerance of 5% "Culls" and 5% loss permitted) | Shell | Sound, few stained. |
| | Air cell | May be bubbly, freely mobile and over mobile 7/16" in depth. |
| | Yolk | May be fairly heavy to heavy but must be mobile. |
| | White | May be weak and watery. |
| | Germ | May be well developed but no blood showing. |
| | Size | Greatly variable. |
| | Color and weight..... | (As marked on the package). |
| U. S. CULLS— (A tolerance of 5% loss permitted) | Eggs which are heavily shrunken, salted or chilled or weigh less than 20 ounces to the dozen shall be graded as U. S. Culls. | |
| U. S. DIRTIES NO. 1 | Eggs which are of the quality of U. S. Extras or better but which are stained or dirty of shell shall be graded as U. S. No. 1 Dirties. | |
| U. S. DIRTIES NO. 2 | Eggs which are of the quality of U. S. No. 1 or lower but are stained or dirty of shell shall be graded as U. S. No. 2 Dirties. | |
| U. S. CHECKS | Eggs which are slightly cracked but with the shell membrane unbroken and not leaking their contents shall be graded as U. S. Checks. (Eggs with slightly leaking contents shall be classed as leakers. Those with contents flowing freely from shell shall be classed as smashed.) | |
| LOSS | Loss is defined to mean eggs which are inedible. | |

Three grades would be sufficient for buying here in Iowa and could be designated as No. 1 Eggs that would go as U. S. Specials and U. S. Extra, No. 2 Eggs that would go as U. S. Standards, and No. 3 Eggs that do not meet the requirements of No. 1 and No. 2. A legal definition should also be given for a fresh egg. At present the word "fresh" does not signify what it should when used in the sale of eggs.

The inspection force of this department is becoming each year



Farmers Creamery Association,
Volga City
State Brand

a little more insistent that all parties buying from the producer, must comply with our Egg law and rules and regulations, with the result that egg candling with the merchant is becoming the rule rather than the exception. In 1925 ninety-three egg prosecutions were made; in 1926 only fifty-five prosecutions were found necessary.

Our egg crop for 1926 is put at 160,000,000 dozen, 120,000,000 dozen of which were shipped out of the state. The average price during the four months of big production was the same as the season before, but the remainder of the year prices ranged several cents less. At that the millions of eggs sent out of the state, added to our agricultural income some thirty-six million dollars.

The following rules were established by the secretary of agriculture and put on file with the auditors of the 99 counties of the state, May 1, 1926:

EGG RULES

As authorized by Paragraph 9, Section 2590, Chapter 125 and Section 3111, Chapter 151, of the Code of 1924, the Secretary of



Farmers Co-operative Creamery Ass'n, Hull
State Brand

Agriculture, in order to clarify and carry out the provision of the law regulating buying, selling, or dealing in eggs, has established the following rules pertaining to the same:

RULE 1. All eggs must be candled before settled for, excepting eggs which have been properly candled and held in cold storage. This prohibits the buying or selling of eggs straight or case count.

RULE 2. The licensee shall pay only for good edible eggs.

RULE 3. The licensee shall return to the producer, if requested or if possible, the "rejects" for the producer's own examination.

RULE 4. What is known as the one or two hole candler, when equipped with a light, not less intense than sixteen candle-power and operated in a dark room, is approved by the Department.

RULE 5. Dealers buying eggs which have been properly candled by other licensed dealers, can purchase same by paying not more than eighty per cent (80%) of their value down at time of delivery, provided



Niles Creamery, Colwell
State Brand

they deduct for all bad eggs before final settlement is made, and also provided that all dealers adopting this practice shall keep special records of the transaction.

RULE 6. All cold storage eggs offered for sale at retail must be labeled "Cold Storage Eggs" either on the container or by card on the eggs in black letters on white background, letters to be not less than one-inch in height.

RULE 7. Eggs unfit for food must be removed daily unless broken into a container and denatured.

RULE 8. With reference to Section 3101 of the Code, the Department does not regard the producer as "in the business of buying, selling or dealing in eggs."

RULE 9. The department rules that if eggs are taken from an incubator for resale after having been held therein for a period of three or four days, they must be branded on the container as Incubator Eggs, and are not to be sold as fresh eggs.

The following tabulations compare the receipts and prices of this year with the last five years. Also they show the variations in price one month with another for the last ten years.

EGGS

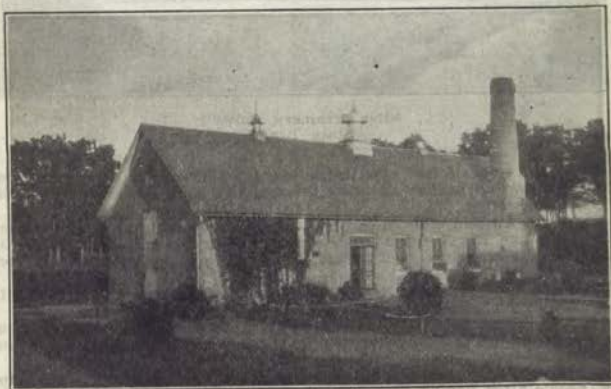
| | |
|--------------------|-------------|
| No. dozen 1922 | 159,720,000 |
| No. dozen 1923 | 175,000,000 |
| No. dozen 1924 | 154,000,000 |
| No. dozen 1925 | 150,000,000 |
| No. dozen 1926 | 160,000,000 |
| Average price 1922 | 27.26c |
| Average price 1923 | 25.33c |
| Average price 1924 | 28.33c |
| Average price 1925 | 32.66c |
| Average price 1926 | 27.20c |

AVERAGE MONTHLY PRICE PAID FARMER

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|------|------|------|------|-----|------|------|------|-------|------|------|------|
| 1917 | 35 | 36 | 33 | 25 | 30 | 31 | 27 | 28 | 32 | 34 | 35 | 39 |
| 1918 | 42 | 47 | 38 | 30 | 31 | 28 | 28 | 33 | 33 | 39 | 42 | 51 |
| 1919 | 56 | 45 | 30 | 34 | 37 | 38 | 33 | 37 | 38 | 47 | 52 | 59 |
| 1920 | 55 | 45 | 39 | 37 | 38 | 33 | 37 | 44 | 48 | 53 | 64 | 61 |
| 1921 | 49 | 32 | 21 | 18 | 16 | 20 | 22 | 26 | 27 | 37 | 46 | 44 |
| 1922 | 26 | 23 | 18 | 20 | 20 | 16 | 16 | 15 | 19 | 33 | 40 | 40 |
| 1923 | 35 | 25 | 20 | 22 | 21 | 18 | 16 | 21 | 36 | 28 | 45 | 34 |
| 1924 | 31 | 26 | 17 | 18 | 20 | 21 | 24 | 24 | 32 | 36 | 45 | 46 |
| 1925 | 43 | 30 | 25 | 25 | 25 | 25 | 26 | 28 | 30 | 35 | 50 | 50 |
| 1926 | 30 | 22 | 20 | 24 | 25 | 25 | 24 | 23 | 31 | 35 | 40 | 42 |

SANITARY AND FOOD LAWS

It was not until butter began to be made in the creamery, that our legislature's attention was called to the necessity of a law



Tripoll Creamery Co.
State Brand



Farmers Creamery, Manly
State Brand

governing the handling of food, that food being milk. It was in 1873 that a bill was passed prohibiting the watering of milk, or taking out any of the cream before selling to a factory. In 1886, additional restrictions were made to the law by including the adulteration of butter, and prohibiting the sale of oleomargarine as butter. The office of Dairy Commissioner was created to enforce the law. In 1892 the Dairy Commission was given authority to appoint milk inspectors on a per diem basis in cities of 20,000 or more.

So far, milk products, and their manufacture were the only foods to receive the attention of any of our state officials. It was not until 1906 that a law was passed including the manufacture and handling of all foods outside the home. This law was placed under the supervision of the dairy commissioner whose title was changed to the Food and Dairy Commissioner.

It was not until our sanitary law was passed in 1913 and the Dairy and Food Commissioner was given more inspection service, that these laws received the attention they should. Today there are no more important laws under the enforcement of this department than the food and sanitary laws, and they occupy a good portion of our inspectors' time. Each year sees more food taken from the housewife and manufactured in a central plant, until



Whittemore Farmers Creamery Co.
State Brand

the health of our people depends upon a strict enforcement of our food and sanitary laws. There are close to 20,000 places in this state where food is manufactured and prepared for sale.

HOTELS AND RESTAURANTS

Putting the hotel and restaurant laws under the same supervision as our food and sanitary laws was not like "mixing oil and water," as some feared when several departments were consolidated under one inspection service, namely, the Dairy and Food Division of the Agricultural Department. Cleanliness, pure food and sanitation are as much a part of hotel and restaurant inspection as of groceries, bakeries and ice cream plants. Therefore, one of the many duties of our men is the inspection of all hotels and restaurants, including lunch stands. This means constant care and frequent visits that the public may be provided with clean and sanitary places to eat and sleep. Most hotels and restaurants are inclined to comply with the law, and are willing and ready to cooperate with the inspector in making such changes as the law requires. Instead of saying as one inspector put it, that the poorer hotels and restaurants give us the most trouble, we will say that the hotels and restaurants that give us the most trouble, are by virtue of this the poorer places to stop.

During the year ending December 31st we had received only two complaints from the Chairman of the Grievance Committee of the United Commercial Travelers of America, and these two



Plymouth Co-operative Creamery, Plymouth
State Brand

complaints were taken care of by the landlord of the hotels before our men were notified of their trouble.

The traveling public is not able to secure the same class of accommodations in the smaller towns that they do in the larger cities, as the patronage in small places will not justify a hotel such as the Savery or Fort Des Moines Hotel, therefore, the public should not expect the same service and accommodations when only paying \$1.00 to \$1.25 for a room as when paying \$2.25 and up. The hotel man in the small town makes an effort to keep his place clean and sanitary and provide accommodations to the traveling public according to the amount he receives for this accommodation.

The Labor Commissioner, who has full control of fire escapes, co-operates with this department, and a number of changes in hotels have been made where the doors open in and have been changed to comply with the law by requiring the door to swing out.

The summer months are especially busy in the lunch stand line, since we have the stands at circuses, carnivals, fairs and roadside places to look after. These stands are mostly conducted in the open and it is very necessary that their food products be properly covered to protect the same from dust, dirt or other contamination. Much improvement has been shown in this class of lunch stands, as we are insistent that they comply with the law.

Every hotel and restaurant in the state must have a license.

The license fee for hotels of fifteen rooms or less is \$4.00; more than fifteen rooms and less than thirty-one rooms, \$6.00; more than thirty rooms and less than seventy-six rooms, \$8.00; more than seventy-five and less than one hundred fifty rooms, \$10.00; one hundred fifty rooms and upward, \$15.00. Restaurants and lunch stands are \$3.00. The hotel license covers the operation of the dining room or cafe in connection with a hotel provided they are in the same building and operated under the same management.

During the year ending December 31, 1926, this department issued 1,540 hotel licenses, 3,852 restaurant licenses, as well as 1,412 fair or lunch stand licenses. During the year ending December 31st the department made 13,515 hotel, restaurant, and lunch stand inspections, which indicates that many of these places were inspected frequently.

AGRICULTURAL SEEDS

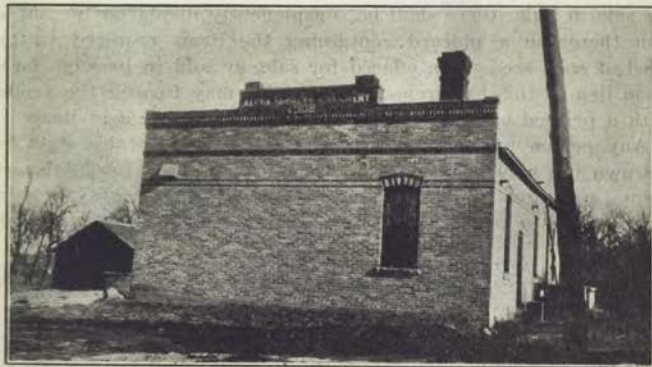
During 1926 the department collected and analyzed 1,806 samples of agricultural seeds.

In spite of notices from the department to seed dealers that they were not giving all the information on their labels that the law required, shipments made in 1926 indicated that there was not a serious effort being made to comply with the law, with the result that the department filed informations in the courts against six of the principal seed dealers in the state. A plea of guilty was obtained in every case and future shipments showed all the information on the label which the law requires. The department is aware of the difficulties of the seed dealers, but insists that the law be complied with and the interests of the purchaser be fully protected. We feel that the quality of the seed planted by our farmers is as important as the planting itself, and we are again going to give here a synopsis of the law, with the suggestion that when purchasing seed in package form more attention be paid to what is on the label.

"Agricultural seed" means the seeds of Canada or Kentucky bluegrass, brome grass, fescues, millet, tall meadow oatgrass, Kaffir corn, sorghum or cane, Sudan grass, timothy, alfalfa, alsike, crimson, mammoth or sapling, red, sweet, or white clover, Canada field peas, cow-peas, soy beans, vetches, and other grasses and forage plants, buckwheat, flax, rape, barley, field corn, oats, rye, wheat, and other cereals.

"Weed seed" means all seeds not listed above as agricultural seed. All agricultural seed offered or exposed for sale, or sold in package or wrapped form for seeding purposes, shall be labeled on package or container, as provided in sections 3037 and 3038, and in addition thereto shall have printed on the label prescribed in said sections:

1. Variety of seed.
2. The approximate percentage, by weight, of the purity of the seed.
3. The approximate total percentage, by weight, of weed seed.
4. The name of each kind of seed or bulblet of noxious weeds which is present.
5. The approximate percentage of germination of such agri-



Alpha Farmers Creamery Co. State Brand

cultural seed, together with the month and year said seed was tested, and year grown, and, if corn, the county and state where grown, and, if clover of any variety, or alfalfa, the state or country where grown. Mixtures of different seeds (as red top and timothy, etc.), when offered for sale in package form in lots of ten pounds or more, shall be labeled on the package in the manner prescribed for pure agricultural seed, and in addition the label shall contain the following:

1. The statement that such seed is a mixture.
2. The name and approximate percentage by weight of each

kind of agricultural seed present in such mixture in excess of five per cent, by weight, of the total mixture.

3. The name of each kind of seed or bullet of noxious weeds, which is present singly or collectively in excess of one seed or bullet, in each fifteen grams (approximately three-fifths ounce) of such mixture.

4. The approximate percentage of germination of each kind of agricultural seed present in such mixture in excess of five per cent by weight, together with the month and year said seed was tested, and year grown.

The label on a package of agricultural seed may be written instead of being printed, but when written, the writing must be plain and legible.

In case agricultural seed or mixtures of the same are offered for sale in bulk, there shall be conspicuously displayed in connection therewith a placard containing the items required on the label of such seed when offered for sale, or sold in package form, or in lieu of this requirement the vendor may furnish the vendee with a printed or written statement containing the said items.

Any person purchasing any agricultural seed in this state for his own use may submit fair samples of said seed to the department, accompanied by an analysis fee of fifty cents for each sample, and a proper analysis of the same shall be made and furnished.

Exemptions. Agricultural seed or mixtures of same shall be exempt from the provision of this title:

1. When possessed, exposed or offered for sale, or sold for food purposes only.

2. When sold or in store for the purpose of re-cleaning.

3. When sold by one farmer to another and delivered upon the vendor's premises; but if such seed is advertised for sale or is delivered through a common carrier, then the seed shall be subject to all the requirements of this title, but this exemption shall in no event be construed as permitting the sale of agricultural seed containing the seeds or bullets of Canada thistle, quack grass, buck-horn, wild carrot, horse nettle, or dodder (clover, alfalfa, or field) in violation of the next succeeding section.

Section 3037, heretofore referred to, is here presented:

Section 3037. *Labeling.* All articles in package or wrapped form which are required by this title to be labeled, unless other-

wise provided, shall be conspicuously marked in the English language in legible letters of not less than eight point heavy gothic caps on the principal label with the following items:

1. The true name, brand, or trade-mark of the article.
2. The quantity of the contents in terms of weight, measure, or numerical count. Under this requirement reasonable variations shall be permitted, and small packages shall be excepted in accordance with the rules of the department.
3. The name and place of business of the manufacturer, packer, importer, dispenser, distributor, or dealer.

The above items shall be printed in such a way that there shall



Farmers Mutual Co-operative Creamery Co., Maynard
State Brand

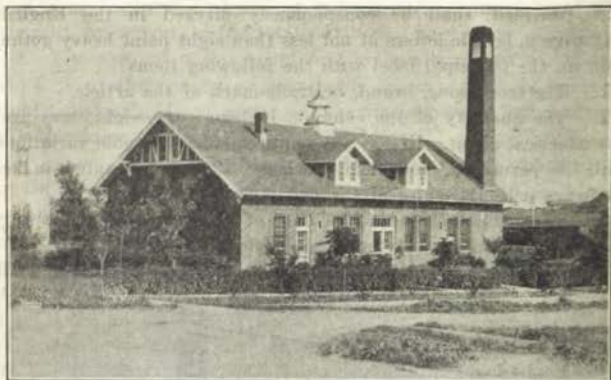
be a distinct contrast between the color of the letters and the background upon which printed.

A full text of the Iowa Seed Law may be had by writing the Department for Bulletin No. 31.

COMMERCIAL FEEDS

Commercial feeds as defined in the law, include all animal feeds except whole grains, feeds made by grinding whole grain, hay and straw. Mineral mixtures and stock tonics are defined as a class of commercial feeds. All products coming under this law are required to be registered with the Department of Agriculture on suitable blanks furnished by the department.

When it is desired to place any of these products on the market,



Farmers Creamery Association of Tenold, Tenold
State Brand

application should be made to the department for proper blanks for registration.

Certain labeling is required to be on the package of each of these products as shown by the following:

COMMERCIAL FEED LABEL

| | |
|--|------|
| Net Weight | lbs. |
| Brand of Feed | |
| Name and Address of Manufacturer | |
| Crude Protein | % |
| Crude Fat | % |
| Crude Fiber | % |
| Nitrogen Free Extract | % |
| List of Ingredients | |

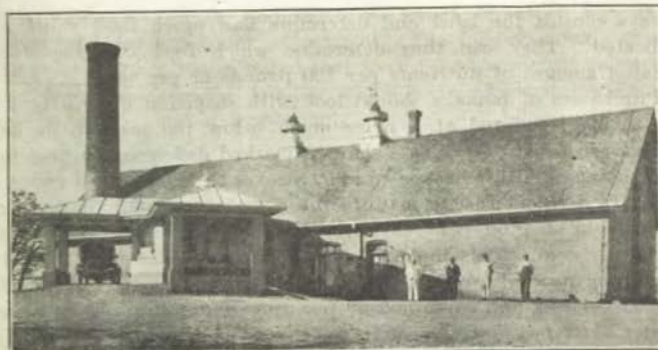
MINERAL MIXTURE LABEL

| | |
|--|------|
| Net Weight | lbs. |
| Brand | |
| Name and Address of Manufacturer | |
| Ingredients | |

STOCK TONIC LABEL

| | |
|---|------|
| Net Weight | lbs. |
| Name and Address of Manufacturer | |
| Brand | |
| The English Name of Each Drug | |
| Total % of All Drugs | |
| Salt | % |
| Sulphur | % |
| Charcoal | % |
| Name and Per Cent of Any Other Ingredient | |

Each year shows an increase in the number of these products registered. For the year 1926 there were 1,208 feeds registered, 172 mineral mixtures and 119 stock tonics. This indicates that



Lake Mills Creamery
State Brand

there is an increased consumption of these products, and the department is checking up on them constantly to see that they are registered and properly labeled. It is also the duty of the department to collect samples for chemical analysis to see if they are correctly labeled as to their feeding value.

The demand for mineral mixtures seems to remain quite constant, indicating that the feeder of live stock believes there is a necessity of supplying added minerals to the ration of farm animals. Sometimes tankage is mixed with minerals, but we believe this is an expensive way to buy tankage. If it is necessary to add tankage to your minerals to get stock to eat it, it is more economical to buy a good grade of tankage and do your own mixing. Feeders should keep in mind that they can have any of their feeds, whose feeding value they question, analyzed by the department for a nominal fee of \$1.00. This only partially covers the cost to the department in making such analysis.

Feeds and mineral mixtures are required to have the State Inspection Tag attached to each sack, and dealers are advised to require all feeds they purchase to come with these tags attached. The sale of a sack of feed without this tag is a violation of the law, and the inspectors are instructed to prosecute any violation they find in their territory.

The question is often asked, "How much digestible protein is in tankage?" According to Henry and Morrison 71 per cent of the protein in tankage is digestible. Purchasers of feeds should

always consult the label and determine how much food value is indicated. They can thus determine which feed furnishes the greatest amount of nutrients per 100 pounds or per ton.

Purchasers of tankage should look with suspicion upon a tankage which is offered at a price much below the market, as an analysis in nearly every case shows a marked deficiency in protein and the apparently cheaper product proves to be the most expensive. In a recent case, a manufacturer was prosecuted for selling tankage labeled 60 per cent protein when the analysis showed 37.73 per cent. This tankage cost the farmer \$72.00 per ton or \$1.98 per unit of protein. Well known brands were selling at \$80.00 per ton, and contained 60 per cent of protein, and cost the feeder \$1.22 per unit of protein.

WEIGHTS AND MEASURES

Iowa continues to forge ahead in its enforcement of our weight and measure laws and each year shows advancement in this branch of the Dairy and Food Division of the Department of Agriculture. To most people the work involved in the supervision of weighing and measuring instruments is only a vague theory, and the application of weight and measure laws are of but little particular value to them. Most of us, so far as correct weighing is concerned, are "penny wise and pound foolish." We carefully count the pennies received in change, but pay little, if any, heed to the ounces, pounds or even scores of pounds that may be lost through the use of incorrect weighing devices. Honest weights and measures are in use in greater numbers in Iowa today than ever before. Closer application of the laws affecting weights and measures, together with a more careful inspection of the instruments found in use, has brought about a decided improvement. There is more frequent checking of the weights of commodities purchased by the housewife. This is evident from the fewer complaints received by the department as to short weight.

The inspectors, from time to time, examine the various commodities put up in package form, to determine the correct weight, also inspect the merchants' scales to determine their accuracy. During the year ending December 31, 1926, the department inspected 81,788 scales and measuring devices. The department makes inspection of all scales at least once during the year and makes an effort to retest them as often as possible. Of the total number of scales tested, 1,237 were condemned for repairs; there were also

12,015 gasoline pumps and measures tested, of which 509 were condemned for repairs or adjustment. The following table shows the percentage of scales tested that were found incorrect, however, this does not show the number which were adjusted by the inspector at the time of inspection.

| | Tested | Condemned | Per Cent |
|-----------------------------------|--------|-----------|----------|
| Wagon scales | 3,583 | 283 | 8. % |
| Counter scales | 39,059 | 622 | 1.6 % |
| Platform scales | 16,258 | 156 | 1. % |
| Cream test scales | 10,337 | 89 | 1. % |
| Penny-in-slot scales | 636 | 87 | 1.3 % |
| Gasoline pumps and measures | 12,015 | 509 | 4.2 % |

INVESTIGATIONS

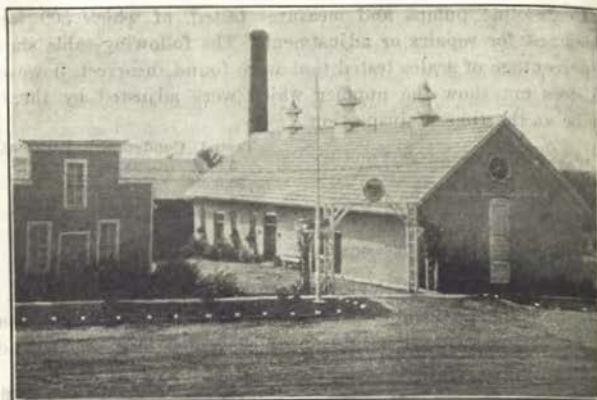
The department devotes considerable time to investigating complaints relative to short weight and misbranded food commodities.



Ringsted Co-operative Creamery Co.
State Brand

After making investigation we find that a large number of these complaints are unwarranted. We have a less number of prosecutions for the sale of short weight commodities than former years.

It is very necessary that from time to time we follow up the peddler to see whether the housewife receives the correct weight. The public in general, is co-operating, and are insisting, that when they buy of the peddler he give them the full weight, and in most cases the housewife has a pair of scales which she uses to determine whether she receives the amount paid for. The publicity which usually follows the prosecution for short weight, causes the un-



Farmers Butter & Cheese Ass'n, Northwood
State Brand

scrupulous merchant and peddler to hesitate before delivering short weight to the public. The newspapers have given a great deal of publicity when prosecutions are made for short weight.

FUEL AND ICE

During the past year the department has made a very thorough check on the deliveries of coal, to determine whether the consumer was in all cases receiving 2,000 pounds to a ton. This branch of our work is much appreciated by the honest coal dealers and in a great many instances we have been requested to have our inspectors check up the deliveries, stating that they were anxious to cooperate; and their employees, operating the scales, as well as their drivers, were instructed at all times to give a correct weight. We can say that in very few cases during the past year were any variations to be found. During the summer months the inspectors have been very busy checking up on the delivery of ice to see that the consumers receive the correct weight.

STANDARD WEIGHTS

Below we give you the standard weights of one bushel, one peck and one quart of certain products as provided by the laws of Iowa:

THE AGRICULTURAL DEPARTMENT

WEIGHTS OF ONE BUSHEL, ONE PECK, AND ONE QUART OF CERTAIN PRODUCTS AS PROVIDED BY THE LAWS OF IOWA

| | 1 bushel pounds | 1 peck pounds | 1 quart ounces |
|------------------------------------|--------------------|------------------|-------------------|
| Apples | 48 | 12 | 24 |
| Apples, dried | 24 | 6 | 12 |
| Alfalfa seed | 60 | 15 | 30 |
| Barley | 48 | 12 | 24 |
| Beans, green | 56 | 14 | 28 |
| Beans, dry | 60 | 15 | 30 |
| Beans, lima | 56 | 14 | 28 |
| Berries | 56 | 14 | 28 |
| Bluegrass seed | 14 | 3½ | 7 |
| Bran | 20 | 5 | 10 |
| Bromus inermis | 14 | 3½ | 7 |
| Broom corn seed | 50 | 12½ | 25 |
| Buckwheat | 48 | 12 | 24 |
| Carrots | 50 | 12½ | 25 |
| Castor beans | 50 | 12½ | 25 |
| Charcoal | 50 | 12½ | 25 |
| Cherries | 40 | 10 | 20 |
| Clover seed | 60 | 15 | 30 |
| Coal | 80 | 20 | 40 |
| Coke | 40 | 10 | 20 |
| Corn, ear | 70 | 17½ | 35 |
| Corn, unshelled | 75 | 18¾ | 37½ |
| Corn, shelled | 56 | 14 | 28 |
| Corn meal | 48 | 12 | 24 |
| Cucumbers | 48 | 12 | 24 |
| Hammer | 40 | 10 | 20 |
| Flax seed | 56 | 14 | 28 |
| Grapes, stems | 40 | 10 | 20 |
| Hemp seed | 44 | 11 | 22 |
| Hickory nuts hulled | 50 | 12½ | 25 |
| Hungarian seed | 50 | 12½ | 25 |
| Kaffir corn | 56 | 14 | 28 |
| Linse | 40 | 10 | 20 |
| Millet seed | 50 | 12½ | 25 |
| Oats | 32 | 8 | 16 |
| Onions | 32 | 8 | 16 |
| Onion top sets | 28 | 7 | 14 |
| Onion bottom sets | 32 | 8 | 16 |
| Orchard grass seed | 14 | 3½ | 7 |
| Osage orange seed | 32 | 8 | 16 |
| Parsnips | 45 | 11¼ | 22½ |
| Peas, dried | 48 | 12 | 24 |
| Peas, fresh | 33 | 8¼ | 16½ |
| Peanuts | 22 | 5½ | 11 |
| Pears | 45 | 11¼ | 22½ |
| Peas, unshelled | 50 | 12½ | 25 |
| Phum, dried | 60 | 15 | 30 |
| Phum | 48 | 12 | 24 |
| Pop corn, cob | 70 | 17½ | 35 |
| Pop corn, shelled | 56 | 14 | 28 |
| Potatoes | 60 | 15 | 30 |
| Quiloes | 48 | 12 | 24 |
| Rape seed | 50 | 12½ | 25 |
| Rutabagas | 60 | 15 | 30 |
| Rutabagas | 60 | 15 | 30 |
| Rye | 56 | 14 | 28 |
| Salt | 80 | 20 | 40 |
| Sand | 130 | 32½ | 65 |
| Shorts | 30 | 7½ | 15 |
| Sorghum seed | 50 | 12½ | 25 |
| Spelts | 40 | 10 | 20 |
| Sweet corn | 50 | 12½ | 25 |
| Sweet potatoes | 50 | 12½ | 25 |
| Timothy seed | 45 | 11¼ | 22½ |
| Tomatoes | 40 | 10 | 20 |
| Turnips | 55 | 13¾ | 27½ |
| Walnuts | 50 | 12½ | 25 |
| Wheat | 60 | 15 | 30 |
| All root crops not specified above | 50 | 12½ | 25 |

1 dry qt.—67.3 cu. ins. 1 liquid qt.—67.75 cu. ins. A dry qt. holds 11 per cent more than a liquid pt. Dry commodities must be sold by weight or dry measure.

WEIGHTS OF MILK AND CREAM

We again insert the following from last year's report, as we consider the information well worth repeating:

In general the specific gravity of milk or cream depends upon the percentage and relation of solids contained in it, the temperature at which the determinations are made and the age of the milk. The weight of one gallon of water at 68 degrees F. (20 degrees C.), according to the Bureau of Standards, is approximately 8.32162 pounds. Using this figure as the weight of water and using the specific gravities of milk and cream of various percentages as given in U. S. Department of Agriculture Bulletin No. 98 the following table has been worked out for the weights per gallon, at a temperature of 68 degrees F.

| | Percentage of Fat | Specific Gravity | Weight Per Gallon (Pounds) |
|----------------------|-------------------|------------------|----------------------------|
| Water | | 1.000 | 8.32162 |
| Skim | 0.025 | 1.037 | 8.6295 |
| Milk | 3. | 1.034 | 8.6045 |
| Milk | 3.5 | 1.033 | 8.5962 |
| Milk | 4. | 1.032 | 8.5879 |
| Milk | 5. | 1.031 | 8.5796 |
| Milk | 6. | 1.030 | 8.5713 |
| Mixed milk and cream | 10. | 1.025 | 8.5297 |
| Mixed milk and cream | 13. | 1.018 | 8.4714 |
| Cream | 18. | 1.015 | 8.4464 |
| Cream | 20. | 1.013 | 8.4298 |
| Cream | 22. | 1.011 | 8.4132 |
| Cream | 25. | 1.008 | 8.3882 |
| Cream | 28. | 1.006 | 8.3715 |
| Cream | 30. | 1.004 | 8.3549 |
| Cream | 32. | 1.002 | 8.3383 |
| Cream | 35. | .999 | 8.3133 |
| Cream | 38. | .997 | 8.2967 |
| Cream | 40. | .995 | 8.2800 |

Weights are given at 68 degrees F. because this is the temperature that was used in determining the specific gravities (20 degrees C. being the temperature generally used for such work). The weight would be very slightly greater for milk at 50 degrees to 60 degrees, the temperature at which milk is usually received at the plant.

For all practical purposes the weight of ordinary market milk may be figured at 8.6 pounds per gallon.

CANNING FACTORIES

Iowa packed a total of 3,361,000 cases of canned corn, which was a reduction from the 1925 pack of a little over 18 per cent.

The average price paid the farmer for sweet corn in Iowa last season was \$10.35 per ton.

The following is a complete 1926 directory of all canners and packers in Iowa-Nebraska, as recently revised by their association; also the key to the letters indicating the nature of their pack.

CODE

A—Corn. B—Peas. C—Tomatoes. D—Apples. E—Green Beans. F—Pumpkin and Squash. G—Fish (includes Salmon and Fish Products). H—Tuna. I—Hominy. J—Lima Beans. K—Kraut. L—Lobster. M—Meat. N—Succotash. O—Olives. P—Sweet Potatoes. Q—Beets. R—Rhubarb. S—Sardines. T—Clams. U—Oysters. V—Peanut Butter. W—Asparagus. X—Preserves. Y—Plums. Z—Pears.
a—Peaches. b—Cherries. c—Pineapple. d—Prunes. e—Berries (all kinds). f—Apricots. g—Apple Sauce. h—Honey. i—Pork and Beans and Baked Beans. j—Spinach. k—Cider. l—Spaghetti. m—Milk. n—Soups. o—Grapefruit. p—Tomato Pulp. q—Plum Pudding. r—Red Kidney Beans. s—Fruit Salad. t—Catsup and Chili Sauce. u—Mince Meat. v—Apple Butter. w—Syrup and Molasses. x—Shrimp. y—Okra, and Okra and Tomatoes. z—Figs.

IOWA

Ames Canning Co.....Ames. A-F.
Anderson Bros. Canning Co.....Osaka. A-C-F.
Atlantic Canning Co.....Atlantic. A-F.
Audubon Canning Co.....Office—Mt. Pleasant. A.
Factory—Audubon.
Baxter Bros. Co., The.....Office—Brunswick, Me. A-N.
Factory—Wapello.
Bell Canning Co.....Office—Waterloo. A.
Factories—Grundy Center, Reinbeck.
Belle Plaine Canning Co.....Belle Plaine. A.
Burlington Vinegar & Pickle Works.....Burlington. t-pickles.
Carnation Milk Products Co.....Office—Oconomowoc, Wis. m.
Factory—Waverly.
Caster Canning Co.....Leon. C.
Cedar Falls Canning Co.....Cedar Falls. A.
Cedar Rapids Canning Co.....Cedar Rapids. C-E-Q-D.
Center Point Canning Co.....Center Point. A.
Clarksville Canning Co.....Clarksville. A.
Columbus Canning Co.....Columbus Junction. C.
Cudahy Packing Co., The.....Office—Chicago, Ill. M.
Factory—Stoux City.
Denmire, L. E.....Office—Montrose. C-Z.
Factories—Montrose, Farmington, Sandusky.
Virden-Richards Canning Co.....Dexter. A-F.
Elgin Canning Co.....Elgin. A.
Farmer Canning Co., J. LeRoy.....Office—Monticello. A.
Factories—Monticello, Tipton.
Farmer Canning Co., S. T.....Story City. A.
Farmer Canning Co., V. F.....Mt. Pleasant. A.
Glenwood Canning & Fruit Pro. Co.....Glenwood. C.
Grimes Canning Corp.....Office—1121 Southern Surety Bldg.,
Factories—Altoona, Grimes, Pella, Des Moines. A-F-I.
Perry, Rockwell City.
Grinnell Canning Co.....Grinnell. A-I.
Guttenberg Canning Co.....Guttenberg. A.
Independence Canning Corp.....Independence. A.
Iowa Canning Co.....Vinton (office.) A-F.
Factories—Vinton, La Porte City, Garrison, Shellsburg.

| | | |
|--|---|------------------------------|
| Iowa City Canning Co..... | Iowa City. | A. |
| Iowa Valley Canning Co..... | Marengo. | A. |
| Keokuk Canning Co..... | Office—Keokuk. | C-pickles. |
| Factories—Fort Madison, Keokuk. | | |
| Lake Mills Canning Co..... | Lake Mills. | A-C. |
| Marshall Canning Co..... | Office—Marshalltown. | A-B-C-F-K-I. |
| Factories—Marshalltown, Roland, Hampton, Ackley, Waverly. | | |
| Merrell Canning Co..... | Harlan. | A. |
| Morrell & Co., John..... | Ottumwa. | M-u. |
| Otoe Food Products Co..... | Office—Nebraska City, Neb. | A. |
| Factory—Hamburg. | | |
| Penick & Ford, Ltd., Inc..... | Office—New Orleans, La. | w. |
| Red Oak Canning Co..... | Red Oak. | A-C-F. |
| Riverside Canning Co..... | Hamburg. | C-D-E-F-Q-k-p. |
| Root Canning Company, A. I..... | Office—Medina, Ohio. | h. |
| Factory Council Bluffs. | | |
| Sac City Canning Co..... | Office—Sac City. | A. |
| Factories—Sac City, Storm Lake. | | |
| Smith, P. G..... | Office—Keokuk. | C-D-P-p-pickles. |
| Factories—Montrose, Croton. | | |
| Tripoli Canning Association..... | Tripoli. | A. |
| Virden Cannery..... | Office—Grinnell. | A-F. |
| Factory—Gilman. | | |
| Virden Canning Co..... | Forest City. | A. |
| Waterloo Canning Co..... | Office—Waterloo. | A. |
| Factories—Waterloo, Dyersville, Dysart. | | |
| Weir Canning Co..... | Office—Toledo. | A. |
| Factories—Toledo, Cambridge. | | |
| Woerman Pickle & Canning Co., H. A..... | Office—827 S. 11th St., St. Louis, Mo. | C-E-F-K-P-Z-i-p-r-i-pickles. |
| Factory—Farmington. | | |
| Zeigler Canning & Preserving Co..... | Muscatine. | C-F-K-P-i-p-r-t. |

NEBRASKA

| | | |
|--|----------------------|---------------------------------|
| Auburn Canning Co..... | Auburn. | A-F. |
| Blair Canning Co..... | Blair. | A. |
| Cudahy Packing Co..... | Office—Chicago, Ill. | M. |
| Factory—Omaha. | | |
| Farmer Canning Co., S. T..... | Office—Story City. | A. |
| Factories—Columbus, Grand Is- land. | | |
| Farrell & Company..... | Omaha. | w. |
| Fremont Canning Co..... | Fremont. | a. |
| Morris & Company..... | Columbus. | A-C. |
| Klaus & Moersen..... | Office—Chicago, Ill. | M-I. |
| Factory—Omaha. | | |
| Norfolk Packing Co..... | Norfolk. | A-C-E-F-i-p-r. |
| Otoe Food Products Co..... | Nebraska City. | A-B-C-D-E-F-I-J-K-b i-j-p-r. |

REPORT OF THE LABORATORY

During 1926 the usual routine checking of products coming under the laws enforced by the department has obtained. The number of samples analyzed in the laboratory was 2,692. They are listed as follows:

| | |
|--------------------|-------|
| Butter..... | 1,168 |
| Miscellaneous..... | 476 |

| | |
|----------------------|-----|
| Milk and Cream..... | 581 |
| Ice Cream..... | 297 |
| Stock Foods..... | 134 |
| Bacteriological..... | 36 |

REPORT OF SAMPLES OF BUTTER ANALYZED BY THE DEPARTMENT

1,107 Samples Analyzed

AVERAGE ANALYSIS SHOWED

| | |
|---------------|--------|
| Fat..... | \$1.80 |
| Salt..... | 2.36 |
| Casein..... | 1.10 |
| Moisture..... | 15.40 |

FAT

| | | | |
|-------------|-----------|-----|-----|
| 1 sample | contained | 72% | fat |
| 1 sample | contained | 73% | fat |
| 2 samples | contained | 74% | fat |
| 4 samples | contained | 75% | fat |
| 4 samples | contained | 76% | fat |
| 8 samples | contained | 77% | fat |
| 26 samples | contained | 78% | fat |
| 92 samples | contained | 79% | fat |
| 192 samples | contained | 80% | fat |
| 315 samples | contained | 81% | fat |
| 229 samples | contained | 82% | fat |
| 147 samples | contained | 83% | fat |
| 59 samples | contained | 84% | fat |
| 21 samples | contained | 85% | fat |
| 5 samples | contained | 86% | fat |
| 1 sample | contained | 87% | fat |

MOISTURE

| | | | |
|-------------|-----------|-----|----------|
| 3 samples | contained | 11% | moisture |
| 17 samples | contained | 12% | moisture |
| 54 samples | contained | 13% | moisture |
| 191 samples | contained | 14% | moisture |
| 372 samples | contained | 15% | moisture |
| 327 samples | contained | 16% | moisture |
| 102 samples | contained | 17% | moisture |
| 20 samples | contained | 18% | moisture |
| 6 samples | contained | 19% | moisture |
| 4 samples | contained | 20% | moisture |
| 3 samples | contained | 21% | moisture |
| 2 samples | contained | 22% | moisture |
| 1 sample | contained | 24% | moisture |

SALT

| | | | | |
|-------------|---------------------|-------|------|------|
| 8 samples | contained less than | 1% | salt | |
| 362 samples | contained from | 1% to | 2% | salt |
| 529 samples | contained from | 2% to | 3% | salt |
| 135 samples | contained from | 3% to | 4% | salt |
| 22 samples | contained from | 4% to | 5% | salt |

CASEIN

| | | | | |
|-------------|---------------------|-------|--------|--------|
| 530 samples | contained less than | 1% | casein | |
| 500 samples | contained from | 1% to | 2% | casein |
| 53 samples | contained from | 2% to | 3% | casein |

INSPECTION SERVICE

Our inspectors made a new record in the number of inspections made in 1926, the third year of their work. Profiting by their three years' experience and becoming more familiar with their territory, they have been able to systematize their work and thereby become more efficient in handling the various line of inspection they have to do. According to our report for 1924 we made 140,957 inspections; 1925, 166,762 inspections, and 1926, 169,893 inspections. This gradual increase justifies the department's conclusion that continual service with good men is what counts, and we were fortunate last year in having no occasion to break in new men.

One of the matters that will be given special attention at our annual spring conference will be a better understanding of the twenty odd laws our men have to supervise and enforce. One of the big objects of the conferences that are held by the department is the accomplishing of uniform work in all territories in the state, as we have found that where an inspector interprets the meaning of the law one way in his territory and another one differently in his adjoining territory, it has caused us more or less embarrassment in straightening out the problem. Therefore, one of the big things that we have to accomplish, is to keep our men working uniformly at all times. In a few lines of our work we have found it beneficial to have two or three of our men work together on some of the serious problems that we have to contend with. However, this is



Denver Creamery Co.
State Brand

during a very short space of time, which is mostly in the winter, such as the checking of coal and the inspecting of milk that is sold at retail in the various towns.

The people of the southern part of Iowa are becoming much more interested along the lines of co-operative dairying, and our men have been called on very frequently to talk at various groups regarding co-operative creameries. Van Buren county is building a farmers' co-operative creamery at Keosauqua. This county has had no co-operative creamery for a great many years. We are also advised that \$3,500.00 has been collected for a co-operative creamery at Lockridge in Jefferson county. We are fortunate in having our inspection service made up of men well trained in the manufacture and handling of all dairy products, as well as being able to talk interestingly on this subject, which they have had occasion to do before various farm groups. We do not lose an opportunity to give help and encouragement to this section of the state, as we have every reason to believe that southern Iowa will eventually work into the co-operative dairy work. In the inspection of creameries and ice cream factories a great many samples of butter have been taken, and forwarded to our laboratory for analysis by the state chemist, to determine what the composition of butter manufactured was. Under our law we require an 80 per cent fat standard, and this department has been a big factor in improving the composition control of this product.

Our men are continually trying to improve the sanitary conditions surrounding all food producing and dispensing establishments, not only of the buildings but of the utensils used. Special attention has been given to ice cream containers, to induce people to properly wash the cans before they are returned to the place of manufacture, so that the consuming public can have a pure, wholesome food, delivered to them in a sanitary condition. Many other lines of work are gradually being improved along sanitary lines.

While it is a fact that there is always room for improvement, this department intends to furnish the people of Iowa the best protected and most sanitary food that can be obtained.

In our annual report for 1925, we made a report on the complete cost of maintaining twenty-six Ford cars for the two years ending June 30, 1925. The showing was an exceptionally creditable one. The total expense per mile being \$.0395, less than 4 cents per mile. The thirty new cars furnished our inspectors were Ford coupes,

with starters, and cost the department \$200.00 more per car. This increased our depreciation charge. Yet, for the year and one-half ending December 31, 1926, these thirty Ford coupes have been maintained for a trifle less than \$.042 (4 1-5 cents) per mile, including depreciation.

TOTAL INSPECTIONS FOR THE YEARS ENDING
DECEMBER 31, 1924, 1925 AND 1926

| | 1924 | 1925 | 1926 |
|-----------------------------|---------|---------|---------|
| Counter Scales | 33,824 | 43,339 | 39,059 |
| Groceries | 16,472 | 19,468 | 19,263 |
| Platform Scales | 14,903 | 17,890 | 16,280 |
| Gasoline Pumps and Measures | 8,434 | 12,707 | 12,015 |
| Produce Houses | 10,051 | 10,543 | 11,475 |
| Cream Test Scales | 8,969 | 10,837 | 10,237 |
| Cream Stations | 8,556 | 10,004 | 10,269 |
| Meat Markets | 7,839 | 9,535 | 9,474 |
| Restaurants | 8,343 | 9,462 | 10,305 |
| Oil | 7,389 | 7,428 | 7,724 |
| Wagon Scales | 3,426 | 3,795 | 3,478 |
| Creameries | 2,332 | 2,690 | 2,490 |
| Confectionery | 2,049 | 2,413 | 3,155 |
| Farm Dairies | 1,672 | 1,955 | 1,096 |
| Bakeries | 1,502 | 1,729 | 1,419 |
| Hotels | 1,547 | 1,625 | 1,816 |
| Feed Stores | 876 | 1,392 | 1,990 |
| Miscellaneous | 815 | 1,100 | 1,452 |
| Ice Cream Factories | 877 | 958 | 1,013 |
| Slaughter Houses | 684 | 940 | 933 |
| Dairymen | 1,259 | 809 | 896 |
| Coal Dealers | 172 | 602 | 551 |
| Milk Wagons | 943 | 509 | 430 |
| Seed Dealers | 209 | 245 | 536 |
| Bottling Works | 303 | 237 | 241 |
| Rendering Plants | 222 | 164 | 263 |
| Penny-in-the-Slot Scales | 296 | 146 | 636 |
| Wholesale Groceries | 122 | 103 | 161 |
| Elevators | 64 | 95 | 141 |
| | 144,151 | 172,712 | 168,778 |

TOTAL INSPECTIONS THE LAST YEAR BEFORE
CONSOLIDATION

| | |
|---------------------------------|--------|
| Dairy and Food Department | 64,705 |
| Oil Department Estimated | 7,500 |
| Hotel and Restaurants Estimated | 8,983 |
| City Milk Inspection Estimated | 14,400 |
| | 95,588 |

MISCELLANEOUS WORK

| | 1924 | 1925 | 1926 |
|-----------------------------------|--------|--------|--------|
| Number of Meetings Attended | 702 | 487 | 553 |
| Number of Complaints Investigated | 2,389 | 2,271 | 2,537 |
| Number of Samples Collected | 5,848 | 5,346 | 12,099 |
| Number of Samples Tested | 13,215 | 14,270 | 10,583 |
| Number of Prosecutions | 406 | 313 | 286 |
| Number of Examinations given | 1,387 | 1,543 | 1,568 |
| | 23,947 | 24,232 | 27,631 |

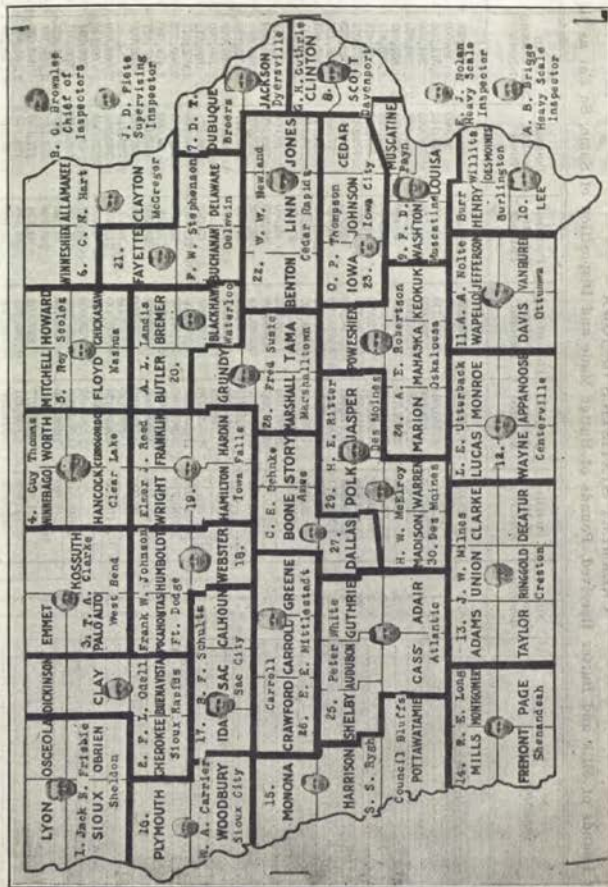
DAIRY AND FOOD DIVISION—YEAR ENDING DECEMBER 31, 1926

| Office Force | Salary | Expense |
|---------------------------------------|--------------|--------------|
| H. G. Clark | \$ 3,000.00 | \$ 204.92 |
| M. E. McMurry | 769.96 | 46.92 |
| B. O. Brownlee | 2,349.97 | 852.29 |
| E. L. Redfern | 3,000.00 | 202.27 |
| C. S. Bogle | 2,400.00 | 259.99 |
| W. G. Jordan | 1,050.00 | |
| R. O. Meehan | 985.08 | |
| A. W. Day | 2,200.00 | 42.55 |
| R. V. Barker | 1,500.00 | |
| Agnes Hermansen | 1,267.66 | |
| Edna Larson | 600.00 | |
| Mildred Liddell | 1,220.00 | |
| Ann Murphy | 1,200.00 | |
| Evelyn Rees | 1,250.00 | |
| R. D. Henson | 195.00 | |
| W. J. Van Meter | 232.60 | |
| Frank E. Wells | 292.74 | |
| W. W. Shaffer | 900.00 | |
| Helen Hinkley | 70.00 | |
| Edna Talbot | 75.81 | |
| Inspectors: | | |
| J. B. Frisbie | 2,200.00 | 792.34 |
| F. L. Odell | 2,200.00 | 721.35 |
| T. A. Clark | 2,200.00 | 661.35 |
| Guy Thomas | 2,200.00 | 648.14 |
| Roy Scoles | 2,200.00 | 1,067.14 |
| C. N. Hart | 2,200.00 | 913.07 |
| D. T. Broers | 2,200.00 | 769.23 |
| G. H. Guthrie | 2,216.70 | 822.85 |
| F. D. Payn | 2,200.00 | 961.18 |
| Burr Wilbits | 2,200.00 | 781.07 |
| A. A. Nolte | 2,200.00 | 861.68 |
| L. E. Utterback | 2,200.00 | 839.54 |
| J. W. Milnes | 2,200.00 | 945.05 |
| R. E. Long | 2,200.00 | 1,100.33 |
| S. S. Rygh | 2,200.00 | 952.77 |
| W. A. Carrier | 2,241.60 | 705.73 |
| B. F. Schultz | 2,200.00 | 1,183.10 |
| Elmer Reed | 1,250.00 | 630.92 |
| J. D. Psete | 2,254.13 | 1,734.98 |
| A. L. Landis | 2,200.00 | 674.45 |
| F. W. Stephenson | 2,200.00 | 708.84 |
| W. W. Newland | 2,200.00 | 625.15 |
| O. P. Thompson | 2,200.00 | 789.54 |
| A. E. Robertson | 2,200.00 | 949.11 |
| Peter White | 2,208.33 | 707.79 |
| E. E. Mittlestadt | 2,200.00 | 1,017.61 |
| C. E. Behnke | 1,500.00 | 1,227.02 |
| Fred Susse | 2,200.00 | 1,012.55 |
| H. E. Ritter | 2,200.00 | 568.75 |
| H. W. McElroy | 2,200.00 | 729.00 |
| E. J. Nolan | 2,200.00 | 2,078.09 |
| A. B. Briggs | 2,200.00 | 1,683.25 |
| Frank W. Johnson | 2,200.00 | 879.50 |
| S. H. Ostman | 267.32 | 80.11 |
| B. O. Brownlee | 600.00 | 606.32 |
| H. E. Phipps | | 6.41 |
| General office and laboratory expense | | 1,979.80 |
| | \$ 99,616.91 | \$ 34,876.00 |

LICENSES ISSUED AND FEES RECEIVED YEAR ENDING
DECEMBER 31, 1926

| | | |
|-------------------------------------|-----------|--------------|
| Oil Inspection Fees.....No. | 1,064,849 | \$ 53,242.46 |
| Sanitary Law Licenses.....No. | 6,044 | 18,162.00 |
| Babcock Test Licenses.....No. | 4,991 | 12,479.00 |
| Egg Dealers' Licenses.....No. | 8,343 | 8,343.00 |
| Scale Tag Licenses.....No. | 2,310 | 6,361.00 |
| Scale Inspection Fees.....No. | 3,502 | 11,070.00 |
| Feed Inspection Fee Tags.....No. | 317,070 | 31,706.96 |
| Milk Dealers' Licenses.....No. | 6,641 | 6,641.00 |
| Gasoline Pump Licenses.....No. | 9,848 | 29,545.00 |
| Hotel Transfer Fees.....No. | 87 | 87.00 |
| Hotel Licenses.....No. | 1,540 | 7,541.00 |
| Restaurant Licenses.....No. | 3,399 | 10,197.00 |
| Fair Restaurant Licenses.....No. | 1,412 | 4,236.00 |
| Commercial Feed Fees.....No. | 487 | 1,509.00 |
| Feedingstuffs Analysis Fees.....No. | 87 | 87.00 |
| Seed Analysis Fees.....No. | 175 | 87.50 |
| Rendering Plant Licenses.....No. | 81 | 2,025.00 |
| Cold Storage Licenses.....No. | 16 | 575.00 |
| Commercial Fertilizer Fees.....No. | 42 | 840.00 |
| Butter Trade-Mark.....No. | 4 | 109.00 |
| Mattress Inspection Fees.....No. | 8 | 80.00 |
| Miscellaneous Fees.....No. | | 39.02 |

\$205,003.44



CREAMERY STATISTICS OF IOWA

Showing Pounds of Milk and Butter Received, Pounds of Butter Made and Disposition of Same, So Far as Reported

| Counties | No. of Creameries Reported | Pounds of Milk Received | Pounds of Cream Received | Lbs. of Butter Manufactured | Pounds Sold to Patrons | Pounds Sold in Iowa | Pounds Sold Outside of Iowa | Total Value | |
|---------------|----------------------------|-------------------------|--------------------------|-----------------------------|------------------------|---------------------|-----------------------------|---------------|--------------|
| Adair | 2 | 25,071 | 1,563,540 | 770,220 | 47,206 | 120,607 | 602,226 | \$ 313,978.59 | |
| Adams | 1 | | 289,000 | | 7,000 | 30,000 | 65,000 | 43,920.00 | |
| Adrian | 7 | | 9,150,944 | 2,810,716 | 110,297 | 105,142 | 2,575,253 | 1,198,274.06 | |
| Adrian | 1 | 260,000 | 1,432,000 | 508,075 | 700 | 340,025 | 244,000 | 233,000.00 | |
| Adubson | 4 | 339,401 | 2,145,483 | 877,411 | 56,161 | 284,002 | 186,825 | 378,276.44 | |
| Benton | 3 | 101,634 | 2,361,728 | 1,060,630 | 40,096 | 165,454 | 857,047 | 453,120.61 | |
| Black Hawk | 9 | 10,470,679 | 8,840,543 | 3,007,330 | 122,080 | 1,045,023 | 1,292,045.60 | | |
| Boone | 3 | 2,133,290 | 969,617 | 373,220 | 13,843 | 209,808 | 65,678 | 151,861.60 | |
| Brewer | 22 | 53,844,858 | 5,245,235 | 3,146,229 | 242,225 | 312,017 | 2,532,074 | 1,308,941.63 | |
| Buchanan | 8 | 32,328,100 | 10,242,384 | 1,746,528 | 209,514 | 270,661 | 3,015,245 | 1,732,747.68 | |
| Buena Vista | 5 | 1,134,731 | 2,886,423 | 1,074,222 | 68,729 | 227,806 | 733,428 | 383,400.80 | |
| Butler | 11 | 5,400,266 | 4,338,002 | 1,679,265 | 156,447 | 133,741 | 1,392,961 | 716,442.51 | |
| Calhoun | 4 | 81,000 | 1,305,131 | 528,722 | 36,247 | 216,905 | 285,741 | 212,566.21 | |
| Carroll | 8 | 969,158 | 7,199,400 | 3,044,622 | 37,074 | 407,246 | 3,471,888 | 1,217,608.90 | |
| Cass | 2 | | 2,821,034 | 1,514,333 | 5,340 | 40,000 | 3,541,378 | 967,146.30 | |
| Cedar | 7 | | 2,937,687 | 1,196,000 | 83,900 | 305,109 | 125,863 | 466,235.30 | |
| Cerro Gordo | 11 | 6,731,868 | 10,961,329 | 3,516,213 | 107,863 | 451,709 | 2,916,804 | 1,536,187.61 | |
| Cherokee | 1 | | 531,215 | 187,391 | 11,244 | 359,441 | 23,125 | 90,495.75 | |
| Chickasaw | 9 | 3,092,351 | 3,964,000 | 2,973,596 | 361,767 | 123,098 | 2,681,075 | 1,254,496.76 | |
| Clarke | 2 | | 750,000 | 299,007 | 5,000 | 80,000 | 100,000 | 90,841.66 | |
| Clay | 3 | | 628,776 | 214,283 | 17,688 | 36,371 | 160,212 | 87,000.37 | |
| Clayton | 18 | 20,023,320 | 13,308,308 | 5,482,853 | 212,031 | 317,108 | 4,032,047 | 2,153,006.09 | |
| Clinton | 8 | 4,946,710 | 9,910,985 | 3,551,670 | 53,094 | 271,133 | 2,509,373 | 1,313,016.92 | |
| Crawford | 1 | 130,000 | 5,333,000 | 2,500,000 | 26,000 | 274,000 | 301,000 | 301,000.00 | |
| Dallas | 2 | 13,000,000 | 1,268,000 | 568,286 | 23,200 | 425,639 | 167,827 | 222,924.63 | |
| Davis | 1 | 40,000 | 900,000 | 220,000 | 4,000 | 21,000 | 250,000 | 100,000.00 | |
| Decatur | 2 | 600,190 | 600,190 | 220,444 | 220,444 | 220,444 | 92,686.48 | | |
| Delaware | 13 | 4,470,850 | 9,483,129 | 3,220,430 | 212,207 | 143,204 | 2,908,819 | 1,435,225.57 | |
| Des Moines | 2 | | 1,648,000 | 385,700 | 2,000 | 323,564 | 60,136 | 222,665.05 | |
| Dickinson | 3 | | 1,380,493 | 425,056 | 30,737 | 45,183 | 362,284 | 276,477.66 | |
| Dubuque | 17 | 9,983,840 | 14,849,099 | 5,426,298 | 131,276 | 549,162 | 4,748,831 | 2,425,637.54 | |
| Emmet | 4 | 343,003 | 2,282,749 | 788,150 | 32,866 | 89,500 | 645,323 | 323,176.39 | |
| Fayette | 18 | 76,747,522 | 13,148,516 | 5,270,301 | 246,278 | 300,067 | 4,638,108 | 2,567,784.08 | |
| Floyd | 4 | 31,622 | 2,921,277 | 887,993 | 44,208 | 177,046 | 606,689 | 392,021.80 | |
| Franklin | 7 | 107,970 | 3,600,494 | 1,769,615 | 131,888 | 138,276 | 1,502,846 | 742,764.31 | |
| Greene | 2 | 429,973 | 333,200 | 119,366 | 17,000 | 87,919 | 48,328 | 11,333.94 | |
| Grundy | 7 | 983,122 | 4,000,373 | 1,230,186 | 117,104 | 107,300 | 1,063,713 | 511,848.36 | |
| Guthrie | 4 | 27,700 | 2,007,041 | 831,765 | 18,085 | 301,943 | 341,737 | 344,192.01 | |
| Hamilton | 4 | 645,074 | 1,533,082 | 614,964 | 64,904 | 234,700 | 317,028 | 228,473.70 | |
| Hancock | 6 | | 6,003,900 | 2,094,063 | 184,832 | 320,103 | 3,117,025 | 1,602,592.47 | |
| Hardin | 9 | 226,096 | 11,604,194 | 4,073,826 | 137,784 | 322,300 | 3,117,025 | 1,719,791.26 | |
| Harrison | 1 | 88,800 | 145,051 | 64,717 | | | 35,890.30 | | |
| Henry | 1 | | 470,000 | 201,900 | 1,000 | 123,700 | 75,200 | 78,739.60 | |
| Howard | 9 | | 8,315,600 | 2,617,998 | 96,854 | 150,961 | 2,370,908 | 1,135,996.55 | |
| Humboldt | 3 | | 923,986 | 330,779 | 28,700 | 44,567 | 226,485 | 130,622.44 | |
| Iowa | 3 | | 880,764 | 291,531 | 17,100 | 101,356 | 104,262 | 126,067.75 | |
| Jackson | 10 | 741,983 | 7,125,398 | 2,699,698 | 110,454 | 340,626 | 2,235,909 | 1,111,353.07 | |
| Jasper | 2 | | 281,000 | 137,308 | 1,304 | 125,645 | 38,022.30 | | |
| Jefferson | 1 | | 336,067 | 118,137 | 6,089 | 115,627 | 53,161.65 | | |
| Johnson | 1 | | 654,654 | 245,400 | 6,000 | 205,517 | 38,887 | 107,977.96 | |
| Jones | 5 | 108,821 | 7,130,347 | 2,057,405 | 147,800 | 193,189 | 1,743,857 | 1,000,223.00 | |
| Keokuk | 3 | | 7,308,696 | 2,325,272 | 2,536,636 | 78,100 | 103,870 | 97,006.68 | |
| Kossuth | 3 | | 896,422 | 10,561,467 | 4,433,402 | 54,632 | 166,904 | 1,841,703 | 1,837,873.87 |
| Lee | 13 | 549,000 | 9,718,411 | 3,065,000 | 108,094 | 406,396 | 2,590,395 | 1,645,728.80 | |
| Linn | 3 | | 38,363 | 27,490 | 3,982 | 3,982 | 9,000.36 | | |
| Louis | 2 | | 146,127 | 492,800 | 31,970 | 29,440 | 340,700 | 167,594.02 | |
| Lyon | 3 | 83,087 | 146,100 | 60,251 | 1,622 | 62,632 | 2,067 | 30,819.61 | |
| Madison | 5 | 31,754 | 565,246 | 203,881 | 10,400 | 245,066 | 145,065.25 | | |
| Mahaska | 2 | 218,116 | 1,918,294 | 491,323 | 88,633 | 311,406 | 295,339.68 | | |
| Marion | 2 | 990,000 | 4,706,491 | 1,821,282 | 22,700 | 44,567 | 1,421,300 | 763,653.55 | |
| Marshall | 4 | | 7,165,370 | 2,284,307 | 3,670 | 50,600 | 367,480 | 174,792.94 | |
| Mills | 2 | 143,691 | 7,165,370 | 2,284,307 | 136,432 | 159,094 | 2,094,792 | 1,000,191.49 | |
| Mitchell | 3 | 514,290 | 1,021,249 | 579,685 | 1,296 | 579,685 | 439,901 | 256,704.79 | |
| Montgomery | 4 | 687,137 | 5,633,426 | 2,204,870 | 29,700 | 384,397 | 1,834,307 | 950,223.56 | |
| Muscatine | 3 | 424,300 | 3,412,637 | 1,425,697 | 95,055 | 257,718 | 1,215,974 | 586,725.08 | |
| O'Brien | 3 | | 2,708,733 | 1,550,104 | 67,278 | 96,629 | 863,607 | 426,456.00 | |
| Oceola | 3 | 57,200 | 3,359,227 | 1,550,104 | 450 | 55,480 | 1,410,806 | 636,330.47 | |
| Page | 7 | 137,238 | 4,347,477 | 1,551,686 | 130,462 | 149,800 | 1,271,425 | 608,500.00 | |
| Palo Alto | 1 | 872,141 | 79,106 | 18,550 | 1,440 | 24,545 | 1,271,425 | 1,271,425.00 | |
| Plymouth | 3 | | 859,867 | 3,809,857 | 825,668 | 114,214 | 223,112 | 122,713.52 | |
| Pocahontas | 5 | | 890,674 | 308,721 | 3,722 | 11,214 | 4,264,484 | 2,569,653.72 | |
| Polk | 3 | 227,132 | 14,834,250 | 6,689,763 | 1,450 | 1,451,742 | 4,264,484 | 2,569,653.72 | |
| Pottawattamie | 2 | 227,794 | 1,097,472 | 461,871 | 4,338 | 116,000 | 480,157 | 197,645.58 | |
| Scott | 5 | | 3,289,240 | 984,819 | | 511,225 | 320,654.35 | | |
| Shelby | 3 | 657,000 | 2,912,500 | 1,240,057 | 19,475 | 36,185 | 3,611,158 | 73,741.90 | |
| Sioux | 9 | | 492,222 | 180,183 | 298,179 | 365,790 | 3,611,158 | 1,776,216.08 | |
| Story | 2 | 38,361 | 2,414,767 | 3,278,448 | 130,045 | 236,228 | 814,780 | 513,444.90 | |
| Tama | 3 | 24,000 | 3,973,532 | 1,487,997 | 18,502 | 99,510 | 1,339,325 | 586,226.49 | |
| Taylor | 1 | | 790,500 | 291,700 | 19,726 | 60,326 | 211,373 | 116,689.00 | |
| Union | 4 | | 8,496,444 | 3,319,141 | 5,508 | 187,880 | 3,127,620 | 1,431,186.49 | |
| Van Buren | 1 | | | | | | | | |
| Wapello | 4 | | 9,710,257 | 4,607,532 | 16,112 | 694,964 | 3,029,942 | 1,941,056.17 | |
| Warren | 1 | | 332,857 | 143,930 | 7,823 | 17,043 | 12,045 | 56,131.11 | |

CREAMERY STATISTICS OF IOWA—Continued

| Counties | No. of Creameries Reported | Pounds of Milk Received | Pounds of Cream Received | Lbs. of Butter Manufactured | Pounds Sold to Patrons | Pounds Sold in Iowa | Pounds Sold Outside of Iowa | Total Value |
|------------|----------------------------|-------------------------|--------------------------|-----------------------------|------------------------|---------------------|-----------------------------|-----------------|
| Washington | 2 | | 429,614 | 193,936 | 9,022 | 181,344 | | 84,018.96 |
| Wayne | 1 | | 4,108,933 | 1,616,515 | 5,233 | 52,444 | 1,558,818 | 616,000.00 |
| Webster | 2 | | 57,208 | 1,723,015 | 712,015 | 3,909 | 117,964 | 301,320.97 |
| Winnebago | 8 | | 137,952 | 7,023,315 | 2,367,307 | 239,971 | 2,225,953 | 1,133,873.72 |
| Winneshek | 10 | | 481,946 | 11,006,912 | 3,357,670 | 94,777 | 3,311,776 | 1,542,968.56 |
| Woodbury | 6 | | 29,223,884 | 78,002,800 | 31,262,749 | 4,434 | 39,194,000 | 13,887,337.83 |
| Worth | 9 | | 63,210 | 5,337,943 | 1,900,051 | 180,638 | 98,456 | 1,679,057 |
| Wright | 4 | | 27,905 | 3,161,245 | 1,014,402 | 100,391 | 196,878 | 826,082.58 |
| Total | 455 | 294,136,153 | 402,473,478 | 172,207,983 | 5,376,831 | 39,847,416 | 142,706,319 | \$70,322,441.77 |

The counties of Monroe, Fremont, Ida, Monona, Ringgold and Lucas, having no creameries, did not report.

CREAMERY LIST

| Name of Creamery | Located at or Near | Name of Proprietor, Secretary or Manager | P. O. Address of Proprietor, Secretary or Manager | Name of Buttermaker | P. O. Address of Buttermaker |
|-----------------------------------|---|--|---|---------------------|------------------------------|
| Adair County— | | | | | |
| Adair Creamery Co. | Adair | J. W. Crow | Adair | J. T. Bryan | Adair |
| Greenfield Creamery Co. | Greenfield | W. A. Foster | Greenfield | R. H. McCrea | Greenfield |
| Adams County— | | | | | |
| Prescott Creamery | Prescott | Chris Lundhigh | Prescott | Chris Lundhigh | Prescott |
| Allamakee County— | | | | | |
| Artic Spring Creamery Ass'n. | Quandahl, 9 mi. S. of Spring Grove, Minn. | O. C. Flatberg | Spring Grove, Minn. | Olaf Goodno | Spring Grove, Minn. |
| Calhoun County— | | | | | |
| Calhoun Creamery Co. | Lansing, 6 mi. W. | T. E. Kerndt | Church | Floyd Ferris | Church |
| Farmers Co-op. Creamery Co. | Waterville | O. R. Haas | Waterville | Victor C. Andersen | Waterville |
| Farmers Waukon Creamery Co. | Waukon | Tollef Johnson | Waukon | A. H. Hanesmeier | Waukon |
| Ludlow Co-op. Creamery Co. | Waukon, 7 mi. S. W. | O. J. Sanderman | Waukon | V. V. Johnson | Waukon |
| New Albin Co-op. Creamery Co. | New Albin | J. E. Welsh | New Albin | Jacob W. Rouster | New Albin |
| Postville Farmers Co-op. Cry. Co. | Postville | Cley Schultz | Postville | Vern Sires | Postville |
| Appanoose County— | | | | | |
| Centrox Dairy | Centerville | G. S. Armstrong | Centerville | A. V. Lucas | Centerville |
| Audubon County— | | | | | |
| Audubon Creamery Co. | Audubon | L. W. Barger | Audubon | Johannes Johanson | Audubon |
| Audubon Township Creamery Ass'n. | Exira, 6 mi. E. | Albert S. Stone | Exira | Albert S. Stone | Exira |
| Crystal Springs Cry. Co. | Kimballton | L. H. Lauritsen | Kimballton | J. I. Petersen | Kimballton |
| Exira Creamery Co. | Exira | H. A. Nelson | Exira | Jens P. Jensen | Exira |
| Benton County— | | | | | |
| Farmers Creamery | Belle Plaine | Peter Thuesen | Belle Plaine | Peter Thuesen | Belle Plaine |
| Model Creamery | Newhall | Wm. Gardeman | Newhall | H. J. Stelling | Newhall |
| Garrison Co-op. Cry. Ass'n. | Garrison | J. A. Kidenour | Garrison | W. T. Turner | Garrison |
| Black Hawk County— | | | | | |
| Benson Co-op. Creamery Co. | Cedar Falls | P. A. Lund | Cedar Falls | J. F. Lorenzen | Cedar Falls |
| Cedar Falls Creamery Co. | Cedar Falls | J. M. Seltenrich | Cedar Falls | E. V. Jensen | Waterloo |
| Cedar Falls Creamery Co. | Waterloo | E. A. Brandes | Waterloo | Albert Stohlkopf | Waterloo |
| Crain Creek Creamery | Denver, 6 mi. S. E. | Wm. Meier | Denver | Wm. Meier | Denver |
| C. A. Fosse Creamery | LaPorte City | C. A. Fosse | LaPorte City | H. P. Anderson | LaPorte City |

CREAMERY LIST—Continued

| Name of Creamery | Located at or Near | Name of Proprietor, Secretary or Manager | P. O. Address of Proprietor, Secretary or Manager | Name of Buttermaker | P. O. Address of Buttermaker |
|----------------------------------|-------------------------------|--|---|---------------------------|------------------------------|
| Hudson Co-op. Dairy Ass'n. | Hudson | H. Laifrenz | Hudson | Wm. McFarlane | Hudson |
| Mt. Vernon Creamery | Cedar Falls | A. H. Musch | Cedar Falls | Ed. Palmer | Cedar Falls |
| Waterloo Co-op. Dairy Co. | Waterloo | P. I. Henderson | Waterloo | R. W. Chadwick | Waterloo |
| Farmers Creamery Co. | Dunkerton | Thomas Fisher | Dunkerton | Thos. Sadler | Dunkerton |
| Boone County— | | | | | |
| Peerless Dairy Products Co. Inc. | Boone | J. F. Sammin | Boone | V. F. Brunner | Boone |
| Rosendale Co-op. Creamery Co. | Story City, 7 mi. W. 1 1/2 N. | Benj. Anderson | Jewell | E. P. Conway | Story City |
| Boone Dairy, Inc. | Boone | E. E. Fowler | Boone | Roy Bilbrey | Boone |
| Bremer County— | | | | | |
| Artisan Creamery Co. | Waverly, 7 mi. E. | Henry Seegers | Waverly | C. J. Meier | Waverly |
| Bremer Creamery Co. | Bremer | Fred Christophel | Waverly | T. H. Slack | Waverly |
| Climax Creamery | Sumner | H. Sell | Sumner | J. B. Zbornik | Sumner |
| Denver Creamery Co. | Denver | W. J. Moehling | Waverly | W. J. Spurbek | Denver |
| Excelsior Creamery Co. | Sumner | Geo. Rockdaschel | Sumner | Louie Ehler | Sumner |
| First Maxfield Creamery Co. | Denver, 2 mi. E. | H. C. Griese | Denver | C. F. George | Denver |
| Frederika Creamery | Frederika | Leigh Alcock | Tripoli | J. Ambrose | Frederika |
| Fremont Creamery Co. | Tripoli, 5 mi. S. E. | W. P. Snelling | Tripoli | H. F. Dettmer | Tripoli |
| Gilt Edge Creamery Co. | Plainfield | R. J. Bentley | Plainfield | J. G. Nichols | Plainfield |
| Grove Hill Creamery Co. | Oran, 6 1/2 mi. E. & S. | J. J. Kane | Fairbank | Robt. Wagner | Fairbank |
| Janesville Creamery Ass'n | Janesville | B. O. Squires | Janesville | B. O. Squires | Janesville |
| Klinger Co-op. Creamery Co. | Bremer, 3 mi. S. | Henry Otto | Readlyn | Henry Segebarth | Fairbank |
| Knittle Creamery Co. | Readlyn | J. Strottmann | Readlyn | W. H. Bowers | Readlyn |
| Little Valley Creamery Co. | Sumner | Chas. Krueger | Sumner | Ed. Henning | Sumner |
| Potters Siding Creamery Co. | Tripoli | W. H. Barry | Tripoli | Albert Kruse | Tripoli |
| Readlyn Co-op. Creamery Co. | Readlyn | H. A. Griese | Readlyn | H. A. Griese | Readlyn |
| Siegel Creamery Co. | Tripoli, 6 mi. N. W. | H. F. Bukrow | Waverly | Wm. Behrens | Waverly |
| Spring Fountain Creamery Co. | Sumner | G. C. Schwake | Sumner | Fred Bremer | Sumner |
| Sumner Creamery Co. | Sumner | Geo. Wescott | Sumner | A. E. Zierath | Sumner |
| Tripoli Creamery Co. | Tripoli | J. C. Kock | Tripoli | H. C. Ladage | Tripoli |
| Washington Creamery | Waverly | J. D. Monaghan | Waverly | C. L. Gamm | Waverly |
| Western Douglass Creamery Co. | Bremer, 5 mi. N., 1 mi. W. | Wm. Oberken | Waverly | Geo. Heine | Waverly |
| Buchanan County— | | | | | |
| Fairbank Farmers Cry. Co. | Fairbank | Harry Lyon | Fairbank | L. W. Ross | Fairbank |
| Farmers Creamery Ass'n | | | | | |
| Hazelton Farmers Creamery Co. | Hazelton | W. I. Warren | Aurora | Glen Mittelstadt | Aurora |
| Jesup Creamery Co. | Jesup | C. E. Riede | Hazelton | E. A. Clue | Hazelton |
| | | D. E. Rogers | Jesup | A. D. Comfert & L. Sogard | Jesup |
| Lamont Creamery Ass'n | | | | | |
| Rowley Farmers Co-op. Cry. Co. | Lamont | G. H. Thompson | Lamont | Nels Hansen | Lamont |
| Wapsia Valley Creamery | Independence | A. F. Sloan | Walker | Chas. Cady | Bowley |
| Winthrop Creamery | Winthrop | C. Nielsen | Independence | Roy Stewart | Independence |
| | | J. C. Guthrie | Winthrop | G. C. Jensen | Winthrop |
| Buena Vista County— | | | | | |
| Clover Leaf Dairy | Alta | L. H. Hatch | Alta | Earl Post | Alta |
| Farmers Creamery & Produce Co. | Newell | E. P. Kruse | Newell | N. C. Olson | Newell |
| Storm Lake Produce Co. | Storm Lake | L. W. McCreery | Storm Lake | L. W. McCreery | Storm Lake |
| Sanitary Dairy | Storm Lake | Chas. F. Keister | Storm Lake | C. E. Yocum | Storm Lake |
| Albert City Co-op. Cry. Ass'n | Albert City | H. L. Anderson | Albert City | Nels M. Pearson | Albert City |
| Butler County— | | | | | |
| Aplington Creamery | Aplington | J. B. Mork | Aplington | J. B. Mork | Aplington |
| Clarksville Creamery | Clarksville | W. W. Stine | Clarksville | M. A. Jones | Clarksville |
| Community Creamery | Parkersburg | W. H. Henning | Parkersburg | C. G. Nelson | Parkersburg |
| Dumont Creamery Co. | Dumont | J. F. Vander Meier | Dumont | J. F. Vander Meier | Dumont |
| Farmers Co-op. Cry. Co. | Allison | Wm. Allen | Allison | A. L. Nichols | Allison |
| Farmers Co-op. Cry. Co. | Greene | J. Jacobsen | Greene | J. E. Morris | Greene |
| Jefferson Creamery Co. | Shell Rock | E. E. Brooks | Shell Rock | E. E. Brooks | Shell Rock |
| Shell Rock Creamery Ass'n | Shell Rock | C. D. Adair | Shell Rock | F. D. Daniels | Shell Rock |
| White Rose Creamery | Austinville | S. L. Patterson | Austinville | Marinus Andersen | Austinville |
| Kesley Co-op. Cry. Co. | Kesley | Rembo Johnson | Austinville | Fred Caroius | Kesley |
| New Hartford Cry. Co. | New Hartford | E. E. Perrin | New Hartford | C. M. Reeve | New Hartford |
| Calhoun County— | | | | | |
| A. Baird Co. | Lohrville | Hugh Baird | Lohrville | J. J. Stamen | Lohrville |
| Bork Creamery Co. | Manson | J. J. Bork | Manson | A. C. Mathies | Manson |
| Cedar Creek Creamery Co. | Somers | S. P. Peterson | Somers | John Doose | Somers |
| Pomeroy Creamery Co. | Pomeroy | O. J. Schultz | Pomeroy | George Froom | Pomeroy |
| Carroll County— | | | | | |
| Carroll Creamery Co. | Carroll | C. C. Roberts | Carroll | Harry Naisser | Carroll |
| Dedham Creamery | Dedham | H. Lauridsen | Dedham | H. Lauridsen | Dedham |
| Farmers Co-op. Creamery Co. | Breda | A. J. Polking | Breda | J. E. DuCharme | Breda |
| Halbur Creamery | Halbur | M. J. Wagner | Halbur | M. J. Wagner | Halbur |
| Jensen Creamery | Coon Rapids | Jens Jensen | Coon Rapids | Wm. Rogaard | Coon Rapids |
| Manning Creamery Co. | Manning | M. A. Bruck | Manning | E. Hansen | Manning |
| Rose Valley Creamery | Roselle | M. Friedman | Carroll | M. Friedman | Carroll |
| Templeton Creamery Co. | Templeton | John Bieri | Templeton | F. J. Dornayer | Templeton |
| Cass County— | | | | | |
| Central Iowa Poultry & Egg Co. | Atlantic | E. H. Busse, Mgr. | New York, N. Y. | Victor Hatteson | Atlantic |
| Swift & Co. | Atlantic | C. A. Peacock | Chicago, Ill. | T. E. Kelley | Atlantic |

CREAMERY LIST—Continued

| Name of Creamery | Located at or Near | Name of Proprietor, Secretary or Manager | P. O. Address of Proprietor, Secretary or Manager | Name of Buttermaker | P. O. Address of Buttermaker |
|--|--------------------|--|---|---------------------|------------------------------|
| Cedar County— | | | | | |
| Durant Farmers Creamery Ass'n | Durant | A. R. Lamp | Durant | H. C. Davis | Durant |
| Golden Star Creamery Ass'n | Bennett | W. H. Kroeger | Bennett | R. G. Weeks | Bennett |
| Lowden Farmers Mut. Co-op. Cry. Ass'n | Lowden | M. Pauls | Lowden | W. L. Sloan | Lowden |
| Massillon Co-op. Creamery | Massillon | R. H. Schneider | Massillon | R. L. Litts | Massillon |
| Farmers Co-op. Cry. Co. | Clarence | | | | |
| Dayton Creamery Co. | Dayton | | | | |
| Cerro Gordo County— | | | | | |
| Dougherty Co-op. Creamery Co. | Dougherty | Luella Murphy | Dougherty | O. A. Jensen | Dougherty |
| Farmers Mutual Co-op. Co. | Clear Lake | W. F. Paul | Clear Lake | S. S. Hudson | Clear Lake |
| E. B. Higley & Co. | Mason City | W. S. Wilcox | Mason City | R. E. Adams | Mason City |
| Plymouth Co-op. Creamery Co. | Plymouth | J. L. Stevens | Plymouth | M. Mikkalson | Plymouth |
| Rockwell Co-op. Creamery Co. | Rockwell | F. C. Siegfried | Rockwell | Paul Smith | Rockwell |
| Swaledale Creamery Co. | Swaledale | Henry Donner | Swaledale | Henry Donner | Swaledale |
| Thornton Creamery Co. | Thornton | Geo. & Henry Assink | Thornton | Henry Assink | Thornton |
| Ventura Farmers Creamery Co. | Ventura | H. H. Ollenburg | Garner | Otto Spies | Ventura |
| Hermanson Bros. | Mason City | Hermanson Bros. | Mason City | Hermanson Bros. | Mason City |
| Farm Products Store | Mason City | Glen Swartz | Mason City | Glen Swartz | Mason City |
| Swift & Co. | Mason City | | | | |
| Cherokee County— | | | | | |
| Cherokee Creamery Co. | Cherokee | John H. Goeb | Cherokee | Dean S. Gallup | Cherokee |
| Chickasaw County— | | | | | |
| Alta Vista Farmers Cry. Co. | Alta Vista | Geo. J. Scholtz | Alta Vista | T. F. Shipton | Alta Vista |
| Farmers Co-op. Creamery Ass'n | Nashua | W. N. Wayne | Nashua | Monroe Bullis | Nashua |
| Fredericksburg Butter Factory | Fredericksburg | J. D. Trepiett | Fredericksburg | R. D. Sweet | Fredericksburg |
| Ionia Farmers Creamery Ass'n | Ionia | C. B. Moody | New Hampton | Joe Herzog | Ionia |
| Jerico Farmers Mutual Co-op. Ass'n | Jerico | Earl Cochran | New Hampton | F. W. Nelson | New Hampton |
| Lawler Creamery Ass'n | Lawler | R. E. Nulty | Lawler | John Flaskerud | Lawler |
| New Hampton Farmers Cry. Ass'n | New Hampton | Joe Delsing | New Hampton | D. W. Mohler | New Hampton |
| Saude Farmers Mutual Cry. Ass'n | Saude | Henry Ellingson | Lawler | Edward Peter | Lawler |
| Williamstown Creamery Ass'n | New Hampton | C. M. Burmaster | Fredericksburg | Aug. Bremer | New Hampton |
| Clarke County— | | | | | |
| Golden Valley Creamery | Osceola | B. H. Burns | Osceola | E. M. Patterson | Osceola |
| Clay County— | | | | | |
| Farmers Creamery Co. | Dickens | Geo. J. Southard | Dickens | Geo. J. Southard | Dickens |
| The Langdon Mut. Co-op. Cry. Ass'n | Langdon | Mrs. John Caldwell | Langdon | Emil Jensen | Langdon |
| Fostoria Co-op. Cry. Ass'n | Fostoria | E. O. Bollman | Spencer | E. O. Ballman | Fostoria |
| Webb Creamery Co. | Webb | Birdsall & Andersen | Webb | Harry Stowe | Webb |
| Clayton County— | | | | | |
| Elkader Creamery | Elkader | Nilson & Wilkinson | Elkader | Hans Baumgartner | Elkader |
| Farmersburg & St. Olaf Co-op. Cry. Co. | St. Olaf | Wm. Fuhrman | St. Olaf | C. C. Bomberger | St. Olaf |
| Farmers Co-op. Creamery Co. | Edgewood | Ralph Rizer | Edgewood | G. Stuessi | Edgewood |
| Farmers Creamery Co. | McGregor | John C. Heilman | McGregor | D. H. Clymer | McGregor |
| Garber Farmers Co-op. Creamery | Osterdock | John White | Garber | Fred Havens | Osterdock |
| Garnaville Creamery Co. | Garber | Jas. McLane | Garnaville | W. C. Johnson | Garber |
| F. H. Hatch Co. | Garnaville | A. J. Kregel | Edgewood | P. W. Hessel | Garnaville |
| Littleport Farmers Co-op. Cry. Co. | Littleport | F. H. Hatch | Edgewood | W. I. Dilger | Edgewood |
| Luana Farmers Co-op. Cry. Co. | Luana | G. C. Ruegnitz | Elkport | Geo. Reyerson | Littleport |
| Millville Creamery Co. | Millville | Elliott Nelson | Luana | Ben Gulsvig | Luana |
| Mueller's Dairy | Millville | H. G. Friedlein | Turkey River | H. D. Ash | Turkey River |
| Star Creamery Co. | Guttenburg | Fred Mueller | Guttenburg | Henry Torrey | Guttenburg |
| Strawberry Point Far. Cry. Ass'n | No. Buena Vista | Mat Ruden | No. Buena Vista | Herold Brant | N. Buena Vista |
| Union Farmers Co-op. Cry. Co. | Strawberry Pt. | A. E. Olinger | Strawberry Pt. | Otto F. Weger | Strawberry Pt. |
| Volga Farmers Co-op. Creamery Ass'n | Monona | John Sabbann | Monona | P. A. Jordahl | Monona |
| Volga Valley Creamery Co. | Volga City | A. L. Moats | Strawberry Pt. | E. P. Gernand | Volga City |
| | Mederville | A. R. Dittmer | Strawberry Pt. | G. T. Olinger | Mederville |
| Clinton County— | | | | | |
| Charlotte Creamery Co. | Charlotte | Martin Nielsen | Charlotte | Martin Neilson | Charlotte |
| Clinton County Central Cry. | De Witt | O. C. Capper | De Witt | O. C. Capper | De Witt |
| Farmers Co-op. Cry. Co. | Toronto | M. G. Yale | Toronto | Louis Sadler | Toronto |
| Farmers Co-op. Cry. Co. | Wheatland | W. A. Templeton | Wheatland | D. R. Ball | Wheatland |
| Swift & Co. | Clinton | Swift & Co. | Chicago | D. W. Cox | Clinton |
| Welton Creamery | Welton | W. O. Calvert | Welton | C. B. Berst | Welton |
| Oak Grove Dairy | Clinton | John Gideonsen | Clinton | Sonke Hansen | Clinton |
| Sanitary Butter Co. | Clinton | Elmer Frimoth | Clinton | H. Bondick | Clinton |
| Crawford County— | | | | | |
| Armour Creameries | Denison | Armour & Co. | Chicago, Ill. | S. P. Richards | Denison |
| Dallas County— | | | | | |
| Dexter Creamery Co. | Dexter | W. L. McMenamin | Dexter | W. L. McMenamin | Dexter |
| Perry Milk Products Co. | Perry | E. J. Ryner | Perry | Everett L. Hart | Perry |
| Davis County— | | | | | |
| Campbell Dairy Company | Bloomfield | R. C. Campbell | Bloomfield | Eugene Kelley | Bloomfield |

DAIRY AND FOOD DIVISION OF

THE AGRICULTURAL DEPARTMENT

CREAMERY LIST—Continued

| Name of Creamery | Located at or Near | Name of Proprietor, Secretary or Manager | P. O. Address of Proprietor, Secretary or Manager | Name of Buttermaker | P. O. Address of Buttermaker |
|---|--------------------|--|---|---------------------|------------------------------|
| DeCATUR County— Hutchinson Cream Co. | Leon | Hutchinson Cream Co. | Des Moines | D. W. Holly | Leon |
| Delaware County— Colesburg Co-op. Creamery Co. | Colesburg | A. G. Gull | Colesburg | Walter Shaffer | Colesburg |
| Earlville Creamery | Earlville | I. S. Hutton | Earlville | Kenneth Klaus | Earlville |
| Farmers Co-op. Creamery Co. | Greeley | W. S. Bissell | Manchester | C. N. Bachler | Greeley |
| Farmers Creamery Co. | Ryan | C. F. Wendt | Ryan | L. W. Ross | Ryan |
| Farmers Mutual Creamery Co. | Sand Springs | E. A. Dunlap | Hopkinton | J. L. Batchelder | Sand Springs |
| Hazel Green Creamery Co. | Ryan, 6 mi. E. | Daniel King | Delhi | Alex. Graham | Delhi |
| Hopkinton Co-op. Creamery Ass'n | Hopkinton | H. M. Reeve | Hopkinton | C. W. Rouse | Hopkinton |
| Manchester Co-op. Creamery Co. | Manchester | Garret I. McKee | Manchester | Orlando Bailey | Manchester |
| Masonville Creamery | Masonville | Krause & Guehring | Masonville | F. W. Krause | Masonville |
| Petersburg Farmers Cry. Co. | Petersburg | Joseph Dingbaum | Earlville | J. E. Taylor | Dyersville |
| Silver Spring Creamery Co. | Delhi | A. L. Clark | Delhi | A. C. Hemsbrot | Delhi |
| Thorpe Creamery | Thorpe | F. A. Mead | Manchester | Matt McDowell | Manchester |
| Mayflower Dairy | Manchester | Tom D. May | Manchester | Tom D. May | Manchester |
| Des Moines County— Peoria Creamery Co. | Burlington | F. E. Rice | Peoria, Ill. | | |
| Burlington Farmers Merc. Co. | Burlington | Wiemer Bros. | Burlington | Wiemer Bros. | Burlington |
| Burlington Sanitary Milk Co. | Burlington | A. D. Reppert | Burlington | Cecil Rodt | Burlington |
| Dickinson County— Lake Park Co-op. Creamery Co. | Lake Park | C. H. Arnsed | Lake Park | A. C. Kruger | Lake Park |
| Milford Farmers Butter & Cheese Ass'n | Milford | Fred W. Born | Milford | Fred W. Born | Milford |
| Spirit Lake Produce Co. | Spirit Lake | H. O. Dean & I. N. Clark | Spirit Lake | Jay C. Wade | Spirit Lake |
| Dubuque County— Balltown Farmers Co-op. Cry. Co. | Balltown | L. J. Sigwarth | Waupeton | A. Barker | Waupeton |
| Beatrice Creamery Co. | Beatrice | Beatrice Cry. Co. | Chicago, Ill. | Emil Donatsch | Dubuque |
| Cascade Creamery Co. | Cascade | F. X. Sauser | Cascade | Claude Miller | Cascade |
| Farmers Golden Star Cry. Co. | Dyersville | Ralph Burkle | Dyersville | R. V. Blaine | Dyersville |
| Five Point Mutual Cry. Co. | Durango | Frank Fischer | Durango | Frank McLean | Durango |
| Globe Creamery Co. | Luxemburg | Henry Rausch | Turkey River | Geo. F. Broers | Durango |
| Hawkeye Farmers Creamery | Epworth | Samuel G. Streif | Epworth | H. E. Rooker | New Vienna |
| Hickory Valley Creamery Co. | Dyersville | John A. Ries | New Vienna | John Sadler | Farley |
| Farley Creamery Co. | Farley | | | | |
| Zwingle Mut. Co-op. Cry. Co. | Zwingle | | | | |
| Holy Cross Creamery Co. | Holy Cross | George Theisen | Gra | John F. Dawson | N. Buena Vista |
| Iowa Dairy Co. | Dubuque | A. Fluet | Dubuque | Harry E. Williamson | Dubuque |
| New Vienna Central Cry. Co. | New Vienna | H. F. Smith | New Vienna | M. G. Buraker | New Vienna |
| Sanitary Milk Co. | Dubuque | Edward Vyverberg | Dubuque | Paul D. Pockles | Dubuque |
| Sherrill Mut. Co-op. Cry. Ass'n | Sherrill | J. C. Boley | Dubuque | Wm. Broessel | Spechts Ferry |
| Swift & Co. | Dubuque | C. A. Peacock | Chicago, Ill. | Harry J. Long | Dubuque |
| Worthington Farmers Co-op. Cry. Co. | Worthington | Geo. Hemmer | Worthington | Ulrich Prader | Worthington |
| Emmet County— Farmers Creamery Co. | Wallingford | O. O. Reisell | Wallingford | Wm. Helgason | Wallingford |
| Ringsted Co-op. Creamery Co. | Ringsted | S. C. Hoen | Ringsted | J. C. Jensen | Ringsted |
| Dolliver Creamery Co. | Dolliver | | | | |
| Estherville Co-op. Cry. Ass'n | Estherville | | | | |
| Fayette County— Alpha Farmers Co-op. Cry. Ass'n | Alpha | H. J. Newachner | Alpha | P. J. Lusson | Alpha |
| Center Valley Creamery Ass'n | Sumner | F. M. Messerer | Sumner | R. J. Allenstein | Sumner |
| Clermont Valley Creamery Co. | Clermont | J. W. Miller | Clermont | H. T. Hangartner | Clermont |
| Elgin Farmers Dairy Co. | Elgin | Melchior Luchsinger | Elgin | Ed. Hanson | Elgin |
| Farmers Creamery Co. | Arlington | F. W. Bates | Arlington | L. C. Barves | Arlington |
| Farmers Co-op. Creamery | St. Lucas | G. H. Hackman | St. Lucas | A. E. Mitchell | St. Lucas |
| Fayette Mutual Cry. Ass'n | Fayette | A. H. Mori | Fayette | C. H. Pinch | Westgate |
| German Creamery Co. | Maynard | H. T. Meyer | Maynard | J. H. Schroeder | Maynard |
| Harlan Farmers Mut. Co-op. Cry. Co. | Maynard | Chester H. Paul | Maynard | Oten Mittelstadt | Maynard |
| Hawkeye Creamery Co. | Hawkeye | H. F. Hauth | Hawkeye | R. C. Wilson | Hawkeye |
| Oelwein Farmers Creamery Co. | Oelwein | J. L. Butler | Oelwein | F. H. Harms | Oelwein |
| Oran Creamery Co. | Oran | J. N. Getz | Oran | Will Dilley | Oran |
| Richfield Creamery Co. | Sumner | Allred Morf | Sumner | Nate Tibbetts | Sumner |
| Riverside Mutual Cry. Ass'n | Wadena | J. H. Wilson | Wadena | L. C. Poppenhagen | Wadena |
| Waucoma Farmers Co-op. Cry. Ass'n | Waucoma | H. E. Marron | Waucoma | J. T. Mogle | Waucoma |
| Westgate Co-op. Creamery Co. | Westgate | Roy E. Winegar | Westgate | Dale Russel | Westgate |
| West Union Farmers Cry. Co. | West Union | M. A. Hutchinson | West Union | Geo. Hauer | West Union |
| Randalia Mut. Cry. Ass'n | Randalia | J. R. Shaler | Randalia | W. A. Rizer | Randalia |
| Floyd County— Charles City Creamery Co. | Charles City | W. G. Wargonesky | Charles City | Chas. Zierath | Charles City |
| Niles Creamery Co. | Colwell | Frank Brunner | Colwell | Earl F. Regel | Colwell |
| Nora Springs Cry. Co. | Nora Springs | W. M. McGuinness | Nora Springs | O. E. Erickson | Nora Springs |
| Rockford Co-op. Dairy Ass'n | Rockford | P. J. Goetzinger | Rockford | P. J. Goetzinger | Rockford |
| Franklin County— Farmers Co-op. Creamery Co. | Popejoy | A. A. Benson | Popejoy | T. McCabe | Popejoy |
| Farmers Creamery Co. | Alexander | W. F. Dunn | Alexander | W. H. Tinkey | Alexander |

CREAMERY LIST—Continued

| Name of Creamery | Located at or Near | Name of Proprietor, Secretary or Manager | P. O. Address of Proprietor, Secretary or Manager | Name of Buttermaker | P. O. Address of Buttermaker |
|--------------------------------------|--------------------|--|---|---------------------|------------------------------|
| Hamilton Co-op. Creamery Co. | Coulter | Geo. Dohrmann | Hampton | J. M. Hansen | Latimer |
| Latimer Co-op. Cry. Co. | Latimer | F. W. Meyer | Hampton | F. M. Kidd | Coulter |
| Sheffield Community Cry. Co. | Sheffield | D. J. Atkinson | Sheffield | H. J. Binger | Sheffield |
| Hansell Creamery Ass'n | Hansell | J. Blackford | Hansell | Elmer Gustafson | Hansell |
| E. H. Bryan | Hampton | E. H. Bryan | Hampton | Q. T. Ryan | Hampton |
| Swift & Co. | Hampton | | | | |
| Greene County— | | | | | |
| Jefferson Creamery | Jefferson | M. E. Brunner | Jefferson | Melchior Brunner | Jefferson |
| Grundy County— | | | | | |
| Reinbeck Farmers Cry. | Reinbeck | Wm. Matter | Reinbeck | Wm. Matter | Reinbeck |
| Beaver Center Creamery Co. | Stout | Andrew J. Meyer | Stout | T. E. Dilger | Stout |
| Buck Grove Creamery | Aplington | Ralph Slight | Aplington | J. P. Perry | Aplington |
| Dike Creamery Co. | Dike | Andersen Bros. | Dike | P. F. Anderson | Dike |
| Fern Creamery Co. | Parkersburg | W. H. Henning | Parkersburg | B. T. Soles | Stout |
| Grundy Center Creamery | Grundy Center | E. C. Kamoss | Grundy Center | R. L. Alderson | Grundy Center |
| Wellsburg Creamery | Wellsburg | H. G. Kramer | Wellsburg | E. M. Guiney | Wellsburg |
| Guthrie County— | | | | | |
| Casey Creamery Co. | Casey | Joe. F. Oddy | Casey | Joe F. Oddy | Casey |
| Farmers Creamery & Produce Co. | Guthrie Center | Frank E. Lathrop | Guthrie Center | M. W. Bixby | Guthrie Center |
| Swift & Co. | Guthrie Center | Swift & Co. | Chicago | F. R. Angell | Guthrie Center |
| Stuart Creamery Co. | Stuart | H. E. Wise | Stuart | C. T. Wambold | Stuart |
| Hamilton County— | | | | | |
| Randall Farmers Creamery Co. | Randall | Oscar T. Sevold | Randall | L. E. Nelson | Randall |
| Ellsworth Co-op. Cry. | Ellsworth | Mrs. J. Olson | Ellsworth | C. M. Anderson | Ellsworth |
| Webster City Creamery Co. | Webster City | H. E. Forrester | Webster City | Clare Forrester | Webster City |
| Williams Creamery | Williams | P. W. Peterson | Williams | E. S. Ubben | Williams |
| Hancock County— | | | | | |
| Britt Creamery Ass'n | Britt | Bert Leutzinger | Britt | G. G. Kolthoff | Britt |
| Crystal Creamery Co. | Crystal Lake | C. M. Ausham | Crystal Lake | C. M. Pedersen | Crystal Lake |
| Farmers Co-op. Creamery Co. | Garner | S. C. Pollock | Garner | C. R. Conway | Garner |
| Kanawha Farmers Mut. Co-op. Cry. Co. | Kanawha | V. A. Blomgren | Kanawha | M. G. Olson | Kanawha |
| Klemme Co-op. Creamery Co. | Klemme | Valentine Josten | Klemme | A. D. Gimer | Klemme |
| Woden Farmers Creamery Co. | Woden | Theo. Fredrickson | Woden | Geo. Green | Woden |

| | | | | | |
|--------------------------------|--------------|-------------------|--------------|-------------------|--------------|
| Hardin County— | | | | | |
| Alden Co-op. Creamery Co. | Alden | W. C. Granzon | Alden | Cecil Oswood | Alden |
| Cleves Creamery Co. | Cleves | W. F. Sharp | Cleves | Jakobas Borchers | Cleves |
| Concord Co-op. Creamery Co. | Garden City | E. P. Tysdahl | Hubbard | A. M. Whitney | Garden City |
| Eldora Creamery | Eldora | H. Soballe | Eldora | Otto Nielsen | Eldora |
| Ackley Creamery | Ackley | R. R. Hadley | Ackley | W. C. De Selim | Ackley |
| Hubbard Creamery Co. | Hubbard | C. W. Mannetter | Hubbard | R. Nelson | Hubbard |
| Iowa Falls Creamery | Iowa Falls | C. E. Foote | Iowa Falls | J. R. Jones | Iowa Falls |
| Swift & Co. | Iowa Falls | J. B. Smith | Iowa Falls | James Marshall | Iowa Falls |
| Farmers Co-op. Cry. | Eldora | C. T. Emmert | Eldora | F. D. Ford | Eldora |
| Harrison County— | | | | | |
| Dunlap Creamery Co. | Dunlap | Fred Major | Dunlap | Fred Major | Dunlap |
| Henry County— | | | | | |
| Fankhauser Dairy Co. | Mt. Pleasant | A. W. Fankhauser | Mt. Pleasant | C. R. Fankhauser | Mt. Pleasant |
| Howard County— | | | | | |
| Cresco Creamery Co. | Cresco | W. H. Eischeid | Cresco | W. H. Eischeid | Cresco |
| Elma Co-op. Creamery Co. | Elma | Wm. B. Gardner | Elma | A. McLaughlin | Elma |
| Farmers Co-op. Creamery Ass'n | Chester | J. M. Hughes | Chester | C. C. Plummer | Chester |
| Farmers Co-op. Creamery | Provincin | J. J. Prochaska | Provincin | C. W. Chyle | Provincin |
| Farmers Creamery Co. | Cresco | Bernard McAlester | Cresco | C. W. Nast | Cresco |
| Maple Leaf Co-op. Creamery Co. | Elma | D. Lang | Elma | N. W. Graf | Elma |
| Saratoga Creamery | Riceville | Hans Larson | Saratoga | Hans Larson | Saratoga |
| Schley Creamery | Schley | Carl Sanderson | Cresco | C. M. Barnes | Cresco |
| Whelan Produce Co. | Elma | J. P. Whelan | Elma | Earl Kelly | Elma |
| Humboldt County— | | | | | |
| Bode Creamery & Produce Co. | Bode | D. H. Grefstad | Bode | J. J. Boland | Bode |
| Wacousta Creamery Co. | Ottosen | I. J. Shursen | Ottosen | L. J. Bremssen | Ottosen |
| Humboldt Co-op. Cry. Ass'n | Humboldt | A. P. Andersen | Humboldt | A. P. Andersen | Humboldt |
| Iowa County— | | | | | |
| Iowa Valley Creamery Co. | Marengo | A. H. Ady | Marengo | A. H. Ady | Marengo |
| Victor Creamery | Victor | H. F. Lenocker | Victor | Marvin Walter | Victor |
| York Creamery Co. | Williamsburg | Herman Schwartung | South Amana | William Anstell | Williamsburg |
| Jackson County— | | | | | |
| Andrew Co-op. Creamery Co. | Andrew | J. H. Mehlenhoff | Andrew | C. O. Van Rhein | Bellevue |
| Bellevue Co-op. Creamery Co. | Bellevue | Geo. Zentner | Bellevue | O. H. Christenson | Maquoketa |
| Farmers Union Co-op. Cry. Co. | Maquoketa | Bruce Werden | Maquoketa | T. Douglas May | Maquoketa |
| Maquoketa Produce Co. | Maquoketa | Earl Boyer | Maquoketa | H. C. Kolfoed | Maquoketa |
| Maquoketa Ice & Ice Cream Co. | Maquoketa | Ed Kirchhoff | Maquoketa | Lytle F. Widel | Maquoketa |
| Monmouth Creamery Co. | Monmouth | Elmer Koch | Monmouth | Elmer Koch | Monmouth |
| Preston Creamery Ass'n | Preston | Max Ehler | Preston | A. J. Spohn | Preston |
| St. Donatus Creamery | St. Donatus | J. L. Heinriey | St. Donatus | Geo. P. Byrne | St. Donatus |

CREAMERY LIST—Continued

| Name of Creamery | Located at or Near | Name of Proprietor, Secretary or Manager | P. O. Address of Proprietor, Secretary or Manager | Name of Buttermaker | P. O. Address of Buttermaker |
|--|--------------------|--|---|---------------------|------------------------------|
| Sterling Creamery | Lamotte | Hoffman Creamery Co. | Lamotte | J. M. Hoffman | Lamotte |
| Spragueville Co-op. Cry. Ass'n. | Spragueville | Wm. F. H. Stromeyer | Spragueville | Lyle E. Miller | Spragueville |
| Jasper County— Dairyland Dairy Co. | Newton | Guy M. Lambert | Newton | Lee Kirkwood | Newton |
| Young Bros. | | | | | |
| Jefferson County— Linder-Iverson Co. | Fairfield | R. O. Linder | Fairfield | E. A. Anderson | Fairfield |
| Johnson County— Iowa City Cry. Co. | Iowa City | Wm. Ruppert | Iowa City | R. J. Saveraid | Iowa City |
| Sidwell Dairy, Inc. | Iowa City | Albert B. Sidwell | Iowa City | W. E. Hunter | West Branch |
| Jones County— Amber Co-op. Creamery | Amber | P. B. Daly | Amber | H. C. Kofoed | Amber |
| Anamosa Farmers Creamery | Anamosa | Burton Brown | Anamosa | H. C. Smith | Anamosa |
| Farmers Creamery Co. | Center Junction | W. K. Moats | Center Junction | Harry Johnson | Center Junction |
| Farmers Mutual Cry. Co. | Langworthy | Geo. Poppe | Langworthy | E. H. Witt | Langworthy |
| Farmers Mutual Cry. Co. | Monticello | C. W. Brazelton | Monticello | Fred Lehman | Monticello |
| Keokuk County— C. E. Brown | What Cheer | C. E. Brown | What Cheer | S. J. Hobson | What Cheer |
| Geo. M. Griffin Cry. Co. | Sigourney | C. A. & I. S. Griffin | Providence, R. I. | Sherley Scott | Sigourney |
| R. E. Gould & Son | Sigourney | R. E. Gould | Sigourney | R. E. Gold | Sigourney |
| Kossuth County— Algona Co-op. Creamery Co. | Algona | M. P. Christiansen | Algona | M. P. Christiansen | Algona |
| Bancroft Co-op. Creamery Co. | Bancroft | Joseph Vaske | Bancroft | H. E. Thies | Bancroft |
| Burt Co-op. Creamery Co. | Burt | M. E. Warner | Burt | Paul Macauley | Burt |
| Farmers Co-op. Creamery Co. | Hobart | A. R. Craikshank | Algona | L. C. Strand | Algona |
| Ledyard Co-op. Creamery Co. | Ledyard | J. T. Heaney | Ledyard | Nick Belhrens | Ledyard |
| Fenton Creamery Co. | Fenton | F. C. Bailey | Fenton | Fred Krunder | Fenton |
| Germania Creamery Co. | Lakota | J. E. Smith | Lakota | Fred C. Koevig | Lakota |
| Lone Rock Co-op. Creamery Co. | Lone Rock | W. J. Bourne | Lone Rock | Watson Shick | Lone Rock |
| Kossuth County— Lotta Creek Co-op. Cry. Co. | Lone Rock | Otto Wichtendahl | Lone Rock | Harold Smith | Lone Rock |
| Swea City Co-op. Cry. Co. | Swea City | L. C. Knutsen | Swea City | L. C. Knutsen | Swea City |
| Titonka Co-op. Cry. Co. | Titonka | J. C. Newville | Titonka | John Poulsen | Titonka |
| Whittemore Farmers Cry. Co. | Whittemore | M. W. Fandel | Whittemore | O. J. Kloock | Whittemore |
| Wesley Farmers Cry. Co. | Wesley | Viggo Kulsholm | Wesley | Viggi Kulsholm | Wesley |
| Lee County— Ft. Madison Creamery Co. | Ft. Madison | B. K. Peter | Ft. Madison | L. L. Daugherty | Ft. Madison |
| Swift & Co. | Keokuk | C. A. Peacock | Chicago, Ill. | Dave Williams | Keokuk |
| Producers Milk Products Ass'n. | Ft. Madison | Elenor Vorwaldt | Ft. Madison | Evert March | Ft. Madison |
| Linn County— Blue Valley Creamery Co. | Cedar Rapids | H. C. Darger | Chicago, Ill. | Dewey Thompson | Cedar Rapids |
| Central City Creamery Co. | Central City | Albert Benning | Central City | A. L. Binning | Central City |
| Linn County Farmers Mut. Cry. Ass'n. | Coggon | M. L. Ware | Coggon | Paul Wright | Coggon |
| Marion Dairy Store | Marion | C. E. Batchelder | Marion | Lee Dunlap | Marion |
| Lisbon Co-op. Creamery | Lisbon | M. M. Franks | Lisbon | E. C. Capper | Lisbon |
| Springville Creamery Co. | Springville | E. George-H. C. Thompson | Springville | H. E. Erickson | Springville |
| Valley Farm Creamery | Central City | Wayne Henderson | Central City | Wayne Henderson | Central City |
| Walker Co-op. Creamery | Walker | T. W. Hawkinson | Walker | A. W. Willander | Walker |
| Louisa County— Weber & Huston | Columbus Junction | G. W. Webber-J. H. Huston | Columbus Junction | N. H. Brooks | Columbus Jct. |
| Columbus Creamery | Columbus Junction | Utter & Einfeldt | Columbus Junction | E. W. Einfeldt | Columbus Jct. |
| Lyon County— Farmers Creamery Co. | Inwood | L. B. Holland | Inwood | Geo. Holstenson | Inwood |
| Farmers Co-op. Creamery Co. | George | John S. Janssen | George | John J. Marx | George |
| Madison County— Winterset Creamery | Winterset | F. B. Seidler | Winterset | F. B. Seidler | Winterset |
| Mahaska County— Gasperi Creamery Co. | Oskaloosa | Mike Gasperi | Oskaloosa | M. Gasperi | Oskaloosa |
| Love's Creamery | Oskaloosa | J. C. Love | Oskaloosa | Emmett Love | Oskaloosa |
| Oskaloosa Creamery | Oskaloosa | The Reisman Co. | Oskaloosa | John Cork | Beacon |
| Mahaska Dairy | Oskaloosa | E. C. McKinley | Oskaloosa | Raymond Younkis | Oskaloosa |
| H. S. Rhysburger Creamery | Oskaloosa | H. S. Rhysburger | Oskaloosa | S. R. Dotson | Oskaloosa |
| Marion County— Knoxville Creamery | Knoxville | W. H. Anderson | Knoxville | Chester McNulty | Knoxville |
| Pella Creamery | Pella | Ben Kuyk | Pella | C. F. Leuthje | Pella |

CREAMERY LIST—Continued

| Name of Creamery | Located at or Near | Name of Proprietor, Secretary or Manager | P. O. Address of Proprietor, Secretary or Manager | Name of Buttermaker | P. O. Address of Buttermaker |
|------------------------------------|--------------------|--|---|---------------------|------------------------------|
| Marshall County— | | | | | |
| Jackson Dairy Co. | Marshalltown | E. R. Jackson | Marshalltown | Fred Thompson | Marshalltown |
| Minerva Valley Co-op. Cry. Ass'n. | Clemons | Theodore Helmick | Clemons | W. P. Hughes | Clemons |
| Nielsen Butter & Ice Cream Co. | Marshalltown | N. C. Nielsen | Marshalltown | Chas. Madison | Marshalltown |
| State Center Farmers Cry. Ass'n. | State Center | Chris Jessen | State Center | J. M. Olson | State Center |
| Mills County— | | | | | |
| Glenwood Creamery Co. | Glenwood | I. D. McKnight | Glenwood | E. V. Agler | Glenwood |
| Malvern Cold Storage Co. | Malvern | Bruce Bochner | Malvern | Wayne Mulholland | Malvern |
| Mitchell County— | | | | | |
| Little Cedar Creamery | Little Cedar | C. H. Penny | Little Cedar | L. J. Erben | Little Cedar |
| New Haven Creamery | Osage | Julius Brunner | Osage | Rueben Larson | Osage |
| Osage Co-op. Creamery Ass'n. | Osage | Judson Burch | Osage | Chas. Woodriss | Osage |
| Riceville Creamery | Riceville | W. A. Fritz | Riceville | W. A. Fritz | Riceville |
| Rock Creek Creamery Ass'n. | Osage | H. K. Klemesrud | Nora Springs | Peter Christensen | Osage |
| St. Ansgar Creamery Co. | St. Ansgar | O. C. Seefeldt | St. Ansgar | H. R. Bullis | St. Ansgar |
| Stacyville Creamery Co. | Stacyville | W. A. Schrandt | Stacyville | K. M. Durben | Stacyville |
| Montgomery County— | | | | | |
| Lee Blue Ice Cream Co. | Red Oak | Lee Blue | Red Oak | W. F. Coonley | Red Oak |
| Red Oak Creamery Co. | Red Oak | G. L. Rushton | Red Oak | E. D. Bein | Red Oak |
| Tyler Brothers | Villisca | H. M. & H. F. Tyler | Villisca | Howard Wolfe | Villisca |
| Muscatine County— | | | | | |
| Swift & Co. | Muscatine | C. A. Peacock | Chicago | R. J. Ford | Muscatine |
| West Liberty Co-op. Creamery | West Liberty | P. T. Lawton | West Liberty | Wm. Sampson | West Liberty |
| Freer's Dairy | Muscatine | | | | |
| Sanitary Ice Cream Co. | Muscatine | | | | |
| O'Brien County— | | | | | |
| Hartley Creamery Co. | Hartley | J. H. Jensen | Hartley | Tom Holmes | Hartley |
| Sheldon Co-op. Creamery | Sheldon | Geo. Boehrer | Sheldon | Paul Moerman | Sheldon |
| Sutherland Creamery Co. | Sutherland | Green & Jensen | Sutherland | Arthon Nielsen | Sutherland |
| Osceola County— | | | | | |
| Osceola County Co-op. Cry. Ass'n. | Sibley | Geo. O. Lister | Sibley | A. M. Hein | Sibley |
| Page County— | | | | | |
| Swift & Co. | Clarinda | Hal. Gillmore | Clarinda | H. C. Larson | Clarinda |
| Shenandoah Cry. Co. | Shenandoah | Mrs. S. M. Tuttle | Shenandoah | Frank Tuttle | Shenandoah |
| Sanitary Dairy & Ice Cream Co. | Shenandoah | Gene F. Vaughan | Shenandoah | Harry Park | Shenandoah |
| Palo Alto County— | | | | | |
| Emmetsburg Farmers Co-op. Cry. Co. | Emmetsburg | Goldie Zimmerman | Emmetsburg | W. A. Thayer | Emmetsburg |
| Farmers Co-op. Cry. Co. | Ruthven | M. P. Junker | Ruthven | M. P. Junker | Ruthven |
| Farmers Creamery Co. | Graettinger | Jorgen Anderson | Graettinger | Henry Hansen | Graettinger |
| Lost Island Creamery | Graettinger | S. M. Anderson | Emmetsburg | Selmer Nelson | Graettinger |
| Mallard Butter & Cheese Ass'n. | Mallard | E. B. White | Mallard | Carl W. Larson | Mallard |
| Ayrshire Creamery Ass'n. | Ayrshire | Joe Daiky | Ayrshire | A. Hanson | Ayrshire |
| West Bend Co-op. Creamery Co. | West Bend | V. H. Reid | West Bend | O. W. Dubba | West Bend |
| Plymouth County— | | | | | |
| Wells Dairy | Le Mars | F. H. Wells | Le Mars | F. H. Wells | Le Mars |
| Pocahontas County— | | | | | |
| Laurens Co-op. Creamery Co. | Laurens | R. V. Neville | Laurens | Christ Sorensen | Laurens |
| m'Palre Creamery Co. | Palmer | Ed. V. Johnson | Palmer | Fred Johnson | Palmer |
| Pocahontas Creamery | Pocahontas | Gust Wehler | Pocahontas | John Petersen | Pocahontas |
| Polk County— | | | | | |
| Beatrice Creamery Co. | Des Moines | Fred Atkinson | Des Moines | Dan Barrett | Des Moines |
| Harding Cream Co. | Des Moines | J. M. Harding | Omaha, Neb. | D. H. Babb | Des Moines |
| Swift & Co. | Des Moines | C. A. Peacock | Chicago, Ill. | R. S. Merrick | Des Moines |
| Pottawattamie County— | | | | | |
| Hurd Creamery Co. | Council Bluffs | Fred E. Hurd | Council Bluffs | G. S. Superman | Council Bluffs |
| Poweshiek County— | | | | | |
| Brooklyn Creamery Co. | Brooklyn | I. N. Gilbertson | Brooklyn | J. N. Gilbertson | Brooklyn |
| Maplehurst Dairy Co. | Grinnell | W. C. Winkleman | Grinnell | H. E. Crowder | Grinnell |
| Sac County— | | | | | |
| Sac City Creamery Co. | Sac City | H. F. Lange | Sac City | A. G. Redman | Sac City |
| Scott County— | | | | | |
| Pioneer Creamery Co. | Davenport | H. C. Garver | Galesburg, Ill. | Louis Rasmussen | Moline, Ill. |
| Tri City Butter Co. | Davenport | B. J. Lyngholm | Davenport | Wm. Sertz | Davenport |
| Davenport Dairy Product Co. | Davenport | C. C. Merritt | Davenport | A. C. Norskow | Davenport |
| Sunlight Cry. Co. | Davenport | Cudaby Co. | Chicago, Ill. | | |
| Blue Grass Cry. Co. | Blue Grass | | | | |
| Shelby County— | | | | | |
| Harlan Ice & Creamery Co. | Harlan | O. G. Ruffcorn | Harlan | E. W. Jensen | Harlan |
| West Hamlin Creamery Co. | Elk Horn | C. W. Boyesen | Elk Horn | Wm. Lounsen | Elk Horn |
| Farmers Creamery Ass'n. | Kimbalton | | | | |

CREAMERY LIST—Continued

| Name of Creamery | Located at or Near | Name of Proprietor, Secretary or Manager | P. O. Address of Proprietor, Secretary or Manager | Name of Buttermaker | P. O. Address of Buttermaker |
|---------------------------------------|--------------------|--|---|---------------------|------------------------------|
| Sioux County— | | | | | |
| Alton Creamery | Alton | Herbert Lucas | Alton | Herbert Lucas | Alton |
| Farmers Co-op. Creamery Co. | Boydton | Hy Schlotje | Boydton | Wm. F. Wargowsky | Boydton |
| Farmers Co-op. Creamery Ass'n | Hull | Jacob Moss | Hull | O. W. Abright | Hull |
| Farmers Mutual Co-op. Cry. Ass'n | Orange City | Frank Noteboom | Orange City | Raymond Reedeman | Orange City |
| Farmers Mutual Co-op. Creamery | Sioux Center | A. Yonker | Sioux Center | A. Yonker | Sioux Center |
| Farmers Mutual Creamery Co. | Hospers | Joe Hoffa | Hospers | P. H. Yonker | Hospers |
| Rock Valley Creamery Co. | Rock Valley | Fred A. Miller | Rock Valley | R. E. Palmer | Rock Valley |
| Inter State Co-op. Cry. Ass'n | Hawarden | Wm. Miller | Hawarden | Wm. M. Anderson | Hawarden |
| Story County— | | | | | |
| Dairy Dept. Iowa State College | Ames | M. Mortensen | Ames | F. C. Hinze | Ames |
| Farmers Co-op. Creamery Co. | Slater | H. L. Buche | Slater | C. Clark | Slater |
| Huxley Farmers Co-op. Cry. Co. | Huxley | Sam Maland | Huxley | O. J. Olson | Huxley |
| Nevada Cheese, Ice Cream & Butter Co. | Nevada | A. Contri | Nevada | D. R. Dunnalt | Nevada |
| Inc. | Roland | C. E. Rod | Roland | L. H. Larsen | Roland |
| Story City Farmers Co-op. Cry. | Story City | Martin C. Hanson | Story City | L. C. Peterson | Story City |
| Zearing Creamery Co. | Zearing | C. P. Bean | Zearing | Carl M. Peterson | Zearing |
| Tama County— | | | | | |
| J. H. Neil Creamery Co. | Tama | R. G. McFarland | Tama | R. E. Adams | Tama |
| Farmers Co-op. Cry. | Traer | | | | |
| Taylor County— | | | | | |
| Bedford Creamery | Bedford | A. E. Lake | Bedford | Leslie Klopp | Bedford |
| Union County— | | | | | |
| Afton Creamery Co. | Afton | V. O. Williams | Afton | V. O. Williams | Afton |
| Arnold Creameries | Creston | Armour & Co. | Chicago, Ill. | Wm. Craft | Creston |
| Boyd Creamery Co. | Creston | H. L. Boyd | Creston | Vernon Anderson | Creston |
| Swift & Co. | Creston | C. A. Peacock | Chicago, Ill. | Harry McAllister | Creston |
| Van Buren Co.— | | | | | |
| Linder-Iverson Co. | Farmington | | | | |
| West Branch Cry. Co. | Milton | Geo. E. Richard | Milton | | |

| | | | | | |
|-------------------------------------|---------------------------|-----------------------|----------------|------------------|----------------|
| Wapello County— | | | | | |
| F. G. Buxton Creamery Co. | Ottumwa | F. G. Buxton | Ottumwa | Frank T. Thill | Ottumwa |
| Swift & Co. | Ottumwa | C. A. Peacock | Chicago, Ill. | E. McFarland | Ottumwa |
| Yorkshire Creamery Co. | Ottumwa | Geo. M. Foster | Ottumwa | C. G. Farr | Ottumwa |
| Graham & Garrison Milk Co. | Ottumwa | | | | |
| Wyatt Produce Co. | Ottumwa | | | | |
| Herman Wilson Milk Co. | Ottumwa | | | | |
| Warren County— | | | | | |
| Indianola Creamery Co. | Indianola | M. J. Van Dam | Indianola | M. J. Van Dam | Indianola |
| Washington County— | | | | | |
| Hartman Ice Cream Co. | Brighton | Ed. Hartman | Washington | N. G. Whisler | Brighton |
| Reister Creamery | Washington | W. S. Reister & Son | Washington | Harold J. Hays | Washington |
| Wayne County— | | | | | |
| Jas. L. Humphrey, Jr. | Humeston | Jas. L. Humphrey, Jr. | Humeston | Ralph King | Humeston |
| Webster County— | | | | | |
| Fort Dodge Creamery | Ft. Dodge | A. B. Saylor | Ft. Dodge | B. Jensen | Ft. Dodge |
| Gowrie Co-op. Creamery Co. | Gowrie | E. E. Renquist | Gowrie | Palmer Frettene | Gowrie |
| Winnebago County— | | | | | |
| Buffalo Center Co-op. Cry. Co. | Buffalo Center | Geo. Jutting | Buffalo Center | Ben Swanson | Buffalo Center |
| Forest City Co-op. Cry. Ass'n | Forest City | J. E. Read | Forest City | Soren Kristensen | Forest City |
| Lake Mills Creamery Co. | Lake Mills | Ole T. Groe | Lake Mills | Carl Hovlan | Lake Mills |
| Leland Co-op. Creamery Co. | Leland | Edd O. Peterson | Leland | Albert Bakken | Leland |
| Lincoln Co-op. Creamery Co. | Rake | A. A. Sheldon | Rake | L. B. Cash | Rake |
| Scarville Creamery Ass'n | Scarville | J. E. Hermanson | Scarville | Chester Hanson | Scarville |
| Thompson Co-op. Creamery Co. | Thompson | N. K. Anderson | Thompson | Walter Thompson | Thompson |
| Vinje Creamery Ass'n | Vinje | A. C. Engbretson | Scarville | Gay Hovland | Scarville |
| Winneschick County— | | | | | |
| Calmar Creamery Co. | Calmar | A. A. Olson | Calmar | H. A. Fjelsteel | Calmar |
| Decorah Farmers Ice Cave Cry. Ass'n | Decorah | Henry Lubke | Decorah | Nelson M. Larson | Decorah |
| Pestina Co-op. Creamery Co. | Pestina | J. B. Huinker | Pestina | Wm. Schuber | Ft. Atkinson |
| O. A. Fosse Creamery | Ridgeway | O. A. Fosse | Ridgeway | Adolph Sanderson | Ridgeway |
| Haberman Creamery | Ft. Atkinson | Geo. Haberman | Ft. Atkinson | Geo. Haberman | Ft. Atkinson |
| Highlandville Creamery Co. | Highlandville | Bidne & Akre | Highlandville | P. J. Bidne | Highlandville |
| Lincoln Creamery Co. | Ridgeway | O. O. Rue | Ridgeway | Leon Qualley | Ridgeway |
| Nordness Creamery Co. | Nordness | G. O. Remmen | Decorah | C. H. Kolarud | Decorah |
| Pleasant Co-op. Creamery Co. | Canoe, R. D. from Decorah | N. O. Faldet | Decorah | Helmar Haugen | Decorah |
| Silver Springs Creamery Co. | Ossian | H. P. Nicholson | Ossian | O. O. Hauge | Ossian |

CREAMERY LIST—Continued

| Name of Creamery | Located at or Near | Name of Proprietor, Secretary or Manager | P. O. Address of Proprietor, Secretary or Manager | Name of Buttermaker | P. O. Address of Buttermaker |
|---|-----------------------------|--|---|-----------------------|------------------------------|
| Woodbury County— | | | | | |
| Blue Valley Creamery Co.cen | Sioux City | H. C. Darger..... | Chicago, Ill. | A. C. Z. Mortensen.. | Sioux City |
| Fairmont Creamery Co.cen | Sioux City | A. D. Bland..... | Omaha, Neb. | John Bathen | Sioux City |
| Hanford Produce Co.cen | Sioux City | H. G. Schunck.... | Sioux City | M. O. Wheelock | Sioux City |
| Swift & Co.cen | Sioux City | C. A. Peacock.... | Chicago | Jack Attridge | Sioux City |
| Sioux City Co-op. Dy. M'k'g. Ass'n....c | Sioux City | J. D. O'Bryon.... | Leeds | R. B. Strand..... | Sioux City |
| Sunlight Produce Co.cen | Sioux City | | | | |
| Worth County— | | | | | |
| Farmers Butter & Cheese Ass'n.....c | Northwood | Oliver Knutson.... | Northwood | H. C. Stendell | Northwood |
| Farmers Co-op. Cr'y. Ass'n of Tenold....c | Northwood | O. K. Starre | Kensett | Elmer Anderson | Northwood |
| Farmers Creamery | Grafton | E. M. Glasel..... | Grafton | Peter Refsdahl | Grafton |
| Farmers Creamery Co.cen | Kensett | Hilmen Gaarder | Kensett | R. Taylor | Kensett |
| Farmers Creamery | Manly | G. J. Mueller..... | Manly | Ed. Andreasen | Manly |
| Fertile Co-op. Dairy Co.cen | Fertile | Roy Larsen | Hanlontown | H. P. Eugen..... | Fertile |
| Hanlontown Creamery Co.cen | Hanlontown | E. A. Gudvangen | Hanlontown | E. A. Gudvangen | Hanlontown |
| Harland Creamery Co.cen | Northwood, 9 mi. N. W. | E. E. Breen | Northwood | N. O. Dahlen..... | Northwood |
| Joice Creamery Co.cen | Joice | J. M. Paulson.... | Joice | J. H. Hagen..... | Joice |
| Wright County— | | | | | |
| The Hutchinson Co.cen | Clarion | Hutchinson Ice Cream Co. | Cedar Rapids | H. H. Shrader | Clarion |
| Farmers Co-op. Creamery Co.cen | Belmond | O. J. Jenison.... | Belmond | C. H. Jennings | Belmond |
| Farmers Creamery Co.cen | Dows | H. J. Iverson.... | Dows | A. O. Larson..... | Dows |
| Goldfield Co-op. Creamery | Goldfield | C. M. Clausen.... | Goldfield | W. M. Troeten.... | Goldfield |

cen Central Churning Plant. c Co-operative. s Stock. i Individual. p Partnership.

CHEESE FACTORY LIST

| Name of Factory | Location | Name of Proprietor | Address of Proprietor | Name of Cheesemaker | Address of Cheesemaker |
|-------------------------------------|-------------------|-----------------------------|-----------------------|---------------------|------------------------|
| Allamakee County— | | | | | |
| Forest Mills Cheese Factory.....c | Postville | F. I. Clark, Sec. ... | Postville | E. E. Austin..... | Postville |
| Hanover Cheese Factory.....c | Dorchester | F. J. Fitzgerald, Mgr. | Dorchester | Otto Stembart | Dorchester |
| Volney Farmers Cheese Factory.....s | Monona, R. 2..... | Mrs. Dell Rose, Sec. | Luana, R. 2..... | J. Gerber | Monona, R. 2 |
| Frankville Farm Cheese Co.c | Postville | | | | |
| Humboldt County— | | | | | |
| Pioneer Cheese Factory.....c | Renwick | W. F. Keller, Prop. | Renwick | W. F. Keller..... | Renwick |
| Jones County— | | | | | |
| Anamosa Cheese Factory | Anamosa | Board of Control.... | Des Moines | John Hinz | Anamosa |
| Mitchell County— | | | | | |
| Jamestown Cheese Factory.....c | Riceville | John Stettler | Riceville | John Stettler | Riceville |

CONDENSED MILK LIST

| Name of Factory | Location | Name of Proprietor | Address of Proprietor |
|--------------------------------------|---------------|-------------------------------|----------------------------------|
| Carnation Milk Products Company..... | Waverly | Paul R. McKee, Secretary..... | 230 St. State St., Chicago, Ill. |
| Perry Milk Products Company..... | Perry | H. J. Ryner, President..... | Perry, Iowa |