

RECOMMENDATIONS

We would suggest the following legislation which would involve changes affecting the agricultural department:

First—Inspection fee on oleomargarine.

Second—State aid to the Iowa Sheep and Wool Growers Association.

Third—State aid to the Iowa Swine Producers' Association.

Fourth—Gasoline standard law.

Fifth—Changes in the fertilizer law.

Sixth—Changes in the law in regard to state aid to county poultry associations.

Seventh—An increase in the appropriation for farmers' institutes, short courses and poultry associations and such changes that are necessary to allow farm achievement shows to qualify for short course aid.

State of Iowa

1929

Forty-third Annual Report
Dairy and Food Division

OF THE

Iowa Department of Agriculture

For the Year Ending December 31, 1929

Reprinted from the
Thirtieth 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
1929

Forty-third Annual Report
Dairy and Food Division

LETTER OF TRANSMITTAL

HON. JOHN HAMMILL, *Governor:*

Sir: I have the honor to transmit herewith the Forty-third Annual Report of the Dairy and Food Division of this department for the year ending December 31, 1929, as a part of the thirtieth Iowa Year Book of Agriculture.

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

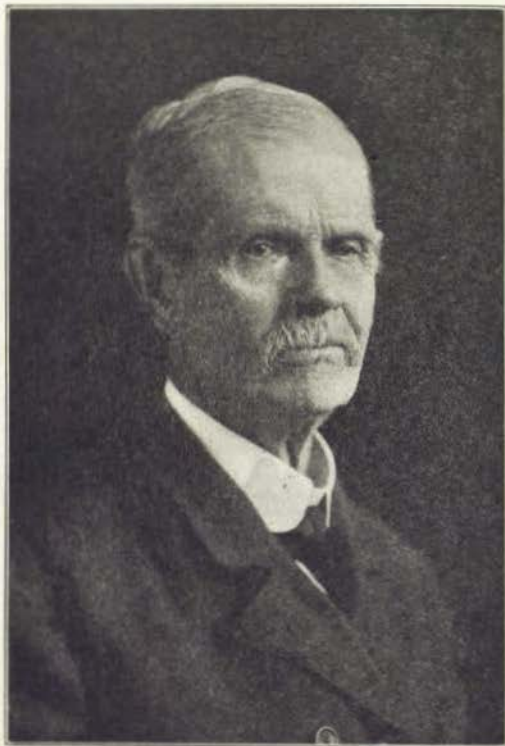
Des Moines, Iowa, January 1, 1930.

Thirtieth Annual Year Book
of Agriculture
Issued by the
Iowa Department of Agriculture
Des Moines, Iowa

Printed by
THE STATE OF IOWA
Des Moines



IOWA'S FIRST SECRETARY OF AGRICULTURE
R. W. CARRADY, Monona County, July 1, 1923, to July 7, 1924.



IOWA'S FIRST DAIRY COMMISSIONER
HENRY D. SHERMAN, Jones County, May 1, 1886, to May 1, 1890.

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
License Clerk	A. W. Day	Des Moines
State Inspector	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	F. D. Ford	Davenport
State Inspector	F. D. Payn	Muscatine
State Inspector	Burr Willits	Burlington
State Inspector	A. A. Nolte	Ottumwa
State Inspector	L. E. Utterback	Chariton
State Inspector	S. W. Hoover	Mt. Ayr
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	J. 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	D. I. Short	Des Moines
State Inspector	H. W. McElroy	Des Moines
Heavy Scale Inspector	R. V. Barker	Clear Lake
Heavy Scale Inspector	A. B. Briggs	Ottumwa
Heavy Scale Inspector	Frank Johnson	Des Moines
Assistant Record Clerk	Evelyn Rees	Des Moines
Stenographer	Kathryn Birmingham	Des Moines
Stenographer	Helen T. Hackley	Des Moines
Stenographer	Mildred Liddell	Des Moines
Janitor	A. J. Newquist	Des Moines

REPORT OF DAIRY AND FOOD DIVISION

FOREWORD

In compiling our annual review of this Division's work, we serve the double purpose of furnishing a record for our files, as well as giving to the public much accumulated information of the happenings in and about dairy and food circles.

There seems to be an increasing desire on the part of both the public and the trade to know—to use an old expression—"just where we are at". That is, when the butter market slumps ten cents at a time when an advance is expected, or when we wake up some morning to learn that an eastern city had laid an embargo on Iowa poultry, we naturally want to know why such things happen. Experience may be a dear teacher and not always pleasant to contemplate, but ignoring it, gets us nowhere.

Therefore, it is our aim in issuing these annual reports, to include in a condensed form such information collected, statistical and otherwise, through our various channels of contact with the producer and distributor of our dairy and food products, that should be saved for reference and a help to the trade in its present and future operations.

DAIRYING

Notwithstanding the disastrous ending of 1929 from a butter price standpoint, the year on the whole was favorable to dairying. It started out well, perhaps too well, for those who stored butter. The first three months of the year did not vary much from the same period in 1928. There was a slight increase in the make, 2/10 of 1%, with an average price for extras, one-half cent higher. There was an increase in the production during the next three months over 1928 of three and one-fifth per cent (3 1/5%), with an average price for extras, 7/10 of a cent lower.

It was not until toward the third quarter that there were signs of impending evil. The make was about the same as the year before, but the average price was 2 3/4 cents under 1928, with a curtailed consumption and an increase in our storage holdings.

It was in the last quarter that the real situation revealed itself. With our creameries turning out for the quarter more butter by over four million pounds than the same months last year, and the

DAIRY COMMISSIONERS

NAME	County from Which Chosen	Date of First Appointment	Years Served
Henry D. Sherman	Jones	May 1, 1886	1886—1896
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—
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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	Poultry Law

storage plants of the country carrying a seasonal surplus of forty million pounds, it was evident to all concerned that we were to have a lower price level, for a while at least.

A shrink of 20% in the farmers' cream check gives one "food for thought". Could this slump have been prevented if the trade had realized last spring what we know now? Or was it the inevitable result of a combination of circumstances that could be met no other way? A rather severe remedy, as it no doubt cost the farmers of Iowa over a million dollars on the 13,000,000 pounds of butter marketed in December alone.

How much it is to cost our dairymen in the future will depend on how soon the man who milks cows can adjust himself to the idea of a higher producing cow properly fed and her product marketed to the best advantage.

That has been the trend of the best thought expressed by those who make dairying a study. With butterfat netting the farmer from 45c to 55c per pound, a poor cow or two in one's herd was not taken seriously. It has taken the present decline in butter values to awaken our dairymen to the fact that a period of readjustment is at hand. The boarder cow must go, and only such cows kept that can show a profit above feed cost. The feed cost of the average pound of butterfat produced should be lowered. The farmers, and those whose welfare depends on a prosperous agriculture, must learn that the use of butter substitutes is false economy, and the public generally must be made to realize the food and health value of milk and its products.

A readjustment along the above lines will not only continue to make the dairy cow a source of profit, but will put her product within the reach of many that have heretofore felt prices too high for their family budget.

All this, of course, is "spilled milk" and is not remedied by "crying". The dairy cow is too important a factor in our agricultural program to be neglected, or even to feel discouraged over. If properly bred and rightly fed, she can show a profit under present conditions. The Annual Report of our Cow Testing Association demonstrates that. Therefore, to us it seems only a question of sticking to it until that kind of a cow becomes the rule here in Iowa, instead of the exception.

Furthermore, are our dairy products being marketed to the best advantage? Are we getting an economical distribution when it comes to the sale of our butter? Can not a saving be made in the

retailing as well as in the production? Is not ten cents per pound for taking a pound print out of the ice box and handing it to a customer, or even delivering it, as happens in many cases, all out of proportion to the rest of the cost of producing a pound of butter and delivering it to the merchant? Are not the butter sales paying more than their share of the cost of running the store?

These are pertinent questions at this time when we are talking about a readjustment in the producing and marketing of our dairy products. One thing certain, our future in dairying must depend on an American market so far as our butter or cheese is concerned. Foreign dairying is on the increase at a production cost much less than we can, or want, to duplicate here. It, therefore, resolves itself into a question of maintaining the American market sufficiently high to assure the farmer a profitable price for his product.

The increasing of our storage holdings last year by forty million pounds of butter above normal, in the face of a decrease in consumption brought dire results to a fairly good market. Yet that forty million was a trifle less than two per cent of the total production of butter. Bad as it may seem, it is not an unsurmountable difficulty to overcome, if every one interested would do their part. A little less cost in production, a little less cost in distribution, and a little better understanding by the public of the food value of butter will do it. An increase in our per capita consumption of one-half pound means sixty million pounds.

Last year we divided the state as to its dairy production into three sections: the northeast 25 counties, the northwest 24 counties, and the southern 50 counties, and we found there was not a great deal of difference as to the production of creamery butter in these three sections. We also found that the highest average price was in the northeastern section. The northwestern section came next and the southern half was third. On the other hand, we found that there was not much difference between the three sections when it comes to the high creamery in each section, which indicated that high quality of butter was more a question of the individual creamery and its management, than in the section of the state where it was located.

This year we have made a similar comparison, as indicated by the following table, showing that the relationship between the three sections is not much different from what it was a year ago, except, perhaps, the northeastern section increased its lead a little over the northwestern section on the average price paid for fat.

	1928	1929	Average Price	High Creamery	Low Creamery
Northeast 25 counties	71,802,909 lbs.	77,656,281 lbs.	48.57	51.26	42.88
Northwest 24 counties	61,997,766 lbs.	66,146,620 lbs.	46.23	50.34	43.00
South 50 counties	62,267,773 lbs.	70,758,617 lbs.	43.63	47.00	36.00

214,561,518 lbs.

All sections increased the amount of creamery butter made, and the increase in each section is about the same, so their relative positions as to the production have not varied any to speak of.

Up until a year ago, Clayton county was credited with producing more creamery butter from its own cows than any other county. Last year Sioux county, in the northwestern part of the state, deprived them of that honor by producing some 500,000 pounds more butter, putting Clayton county in the second place, with Fayette county in third place as before. This year the same relative position exists so far as production is concerned, all showing an increased production.

Sioux County	6,476,544 lbs.	44.87c	Average Price Paid for Fat
Clayton County	5,664,488 lbs.	49.38c	Average Price Paid for Fat
Fayette County	4,905,787 lbs.	49.78c	Average Price Paid for Fat

The relative position of Clayton county and Fayette county has changed, as Fayette shows a better price average for fat than Clayton county by about two-fifths of a cent. Bremer county continues to be our high county when it comes to the average prices being paid for fat, this year it being 50½c per pound, two and one-tenth cent less than the year before, but continues to be a very high average in consideration of the low price of butter during the remaining months of the year.

TOTAL VALUE DAIRY PRODUCTS—1929

Creamery Butter	214,561,518 lbs.	\$ 92,789,146.00
Ice Cream	7,000,000 gals.	7,000,000.00
Sweet Cream (40%)	13,600,000 lbs.	4,856,000.00
Market Milk	900,000,000 lbs.	18,900,000.00
Cheese	1,124,750 lbs.	230,494.00
Cottage Cheese	2,000,000 lbs.	250,000.00
Farm Dairy Butter	23,000,000 lbs.	9,200,000.00
Skim Milk and Buttermilk	5,561,000,000 lbs.	16,683,000.00
Condensed Milk	12,353,450 lbs.	990,000.00
Calves	1,000,000	4,000,000.00
Fertilizer	12,000,000 tons	12,000,000.00
		\$166,898,640.00

TOTAL MILK PRODUCED BY IOWA COWS

Milk used in Creamery Butter	5,250,000,000 lbs.
Milk used in Sweet Cream	142,000,000 lbs.
Milk used in Ice Cream	137,500,000 lbs.
Milk used in Market Milk	900,000,000 lbs.

Milk used in Cheese	10,000,000 lbs.
Milk used in Farm Butter	545,714,000 lbs.
Milk used in Condensed Milk	27,452,000 lbs.

7,012,666,000 lbs.

The above table gives the cows that are milked in Iowa credit of producing a little over seven billion pounds of milk in one year. Our Weather and Crop Report for January 1, 1929, credits Iowa with having 1,314,000 cows and heifers two years old and over; also 250,000 heifers kept for milk one to two years old. This makes a total of one and one-half million cows kept for milk purposes, with an average production of 4,675 pounds of milk per year, or 163 pounds of butterfat per cow.

These figures are hardly fair to the average dairy cow of Iowa, for 60% of this million and one-half, are doing much better than that. If an allowance is made for the one to two-year-old heifers that are being milked, and the dual purpose cows that are being milked, and the altogether too many boarders that are being kept, we could conservatively say that Iowa had three-quarters of a million cows that are producing well over 180 pounds of fat per year.

The annual report of our cow testing associations in Iowa for last year, puts the average production for cows belonging to the cow testing association, at 279 pounds of butterfat, which indicates that the average cow milked in Iowa is only producing 65% of what she should or could.

CREAMERY BUTTER SOLD IN IOWA 1918-1929

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.
1927	30,598,009 lbs.
1928	35,312,562 lbs.
1929	38,863,393 lbs.

The above table shows a marked increase in the consumption of creamery butter in Iowa for the year 1929. Of this 38,863,393 pounds, 8,837,252 pounds were sold by creameries to their patrons, the remainder went to the retail trade in our cities and towns. If 80% of the farm-made butter was consumed in Iowa, we would have a total of 57,263,400 pounds of butter as Iowa's annual consumption. This gives us a per capita consumption of 23 1/10

pounds, six pounds greater than the per capita consumption credited to the United States as a whole.

BUTTER PRODUCTION IN THE UNITED STATES

	Farm Butter	Creamery Butter
1899.....	1,971,626,000 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.	1,356,080,000 lbs.
1925.....	590,000,000 lbs.	1,360,000,000 lbs.
1926.....	580,000,000 lbs.	1,457,360,000 lbs.
1927.....	600,000,000 lbs.	1,496,495,000 lbs.
1928.....	590,000,000 lbs.	1,479,198,500 lbs.
1929.....	580,000,000 lbs.	1,529,434,418 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.
1927.....	24,000,000 lbs.	192,442,103 lbs.
1928.....	23,500,000 lbs.	196,068,448 lbs.
1929.....	23,000,000 lbs.	214,561,518 lbs.

THE IOWA CREAMERY

A trifle over 90% of Iowa's butter is made in a creamery of some sort. That means that a little over 9½% continues to be made on the farm in more or less the old fashioned way. While our creameries increased their make 8 2/3% in 1929, our increase in the number of creameries was only one, too small to even mention in terms of per cent.

For several years there were six of our counties that were without a creamery, Ida, Fremont, Lucas, Monroe, Ringgold and Monona. Last year two of these counties, Ida and Monona, were taken off that list. The A. & P. Chain Store organization is now operating a well equipped creamery at Ida Grove. If this is more or less an experiment on the part of the A. & P. people as reported, for the purpose of raising the quality of their own brand of butter by dealing direct with the producer and thereby having complete control of its manufacture, it may be the means of introducing a new element or influence into Iowa's butter game.

In point of numbers, 58% of our creameries are cooperatives, 29% are individual owned, and 13% are centralizers. In point of production the difference between the centralizer and cooperative output is slight. For several years the centralizers have led the cooperatives by a few million pounds, but this year the cooperatives have increased their make a little more than the centralizers

and have reversed the order by a few million, as the tables presented a little later in the article will indicate.

The difference in the average price paid between our different kinds of creameries is of more importance than the difference in their production. The centralizers, who are well equipped in their plants, as well as well organized in their plans of operation, are handicapped by the high cost of buying and transporting their cream to their churning or manufacturing plants and last year an endeavor was made to change their system of buying by which they hoped to decrease the number of cream stations in a town, as well as lessening the cost of buying and thereby being able to give the consumer a better price and assuring themselves of at least a little better margin.

Without any reference to the merits or demerits of the plan, it was not universally accepted by the trade and its future outcome is uncertain and may be replaced by the trucking system that has been put in operation by several of these larger plants, both centralizer and cooperative. Whether this will solve the question of enabling the centralizer to get a better quality without increasing his cost, remains to be seen. But we have instances where records show that by putting on a truck and gathering this cream at stated intervals, the increased quality of the cream takes care of the cost of gathering. But in other cases already too many of them seem to be having the same trouble in competition that they have had heretofore in the cream station. The overlapping of routes we are afraid will increase the expense fully as much, if not more, as too many cream stations in a town. If our creameries, large or small, could be brought to realize that this question of volume causes them more grief as a rule than any of their other trouble, we could see more hope for a more amicable relationship between competitors.

We know that the trend of everything in a business way is toward larger organization and less units, the argument in favor of which is always less overhead and better control, but we are free to admit that we have not reached that point where we are entirely sold on the proposition. The benefit of any buying plan in any community is not measured by the size of the organization, but rather by the price it nets the producer. For three or four years now, we have continually called our readers' attention to instances where the small creamery nets its producers even five or

six cents a pound more for their fat, than a competitor who is trying to cover a great deal of territory in order to get volume.

Iowa continues to be second in the production of creamery butter, with Minnesota first, and Wisconsin third. Of the 177,214,650 pounds of creamery butter shipped out of the state last year, 44% went to New York, 25% to Chicago, 6.3% went to Philadelphia, and 2.4% went to Boston, with the remaining 22.3% going to other markets.

The following table gives the number of pounds of milk and cream purchased by our creameries last year, as well as the number of pounds of butter made and its disposition, and the number of patrons and the number of cows that supplied the milk and cream for our creameries.

Milk received	192,406,113 lbs.
Cream received	570,892,081 lbs.
Pounds butter made	214,561,518 lbs.
Pounds sold to patrons	8,837,252 lbs.
Pounds sold in Iowa	30,026,141 lbs.
Pounds sold outside the state	177,214,650 lbs.
Total number of patrons	193,415
Total number of cows	1,196,262

As shown by the foregoing table, a trifle over 4% of our butter goes to patrons of our creameries, and a trifle less than 14% goes to the trade here in Iowa, while 82% goes out of the state. The following table gives us an estimate of Iowa's shipments to her four principal markets, in pounds.

New York	78,347,176 lbs. Butter
Chicago	44,151,989 lbs. Butter
Philadelphia	6,445,576 lbs. Butter
Boston	4,256,833 lbs. Butter
All other markets	44,613,076 lbs. Butter

177,214,650 lbs. Butter

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 Extras	No. Cheese Factories	No. of Condenseries
1880	582			71,255,796			99
1881	705			68,680,716			111
1882	775			60,112,351			113
1883	790			54,572,902	.30		110
1884	806			54,500,417	.27		64
1885	741			66,497,108	.25		73
1886	774			80,502,916	.219		75
1887	741			88,900,000	.188		76
1888	795			87,704,214	.197		67
1889	811	143		87,972,470	.203		69
1890	779	188		84,965,082	.227		73
1891	797	167		82,706,944	.216		73
1892	759	161		77,885,006	.242		52
1893	732	168		64,565,070	.242		45
1894	552	106		70,000,000	.214		37
1895	559			82,707,588	.248		29
1896	573			91,202,354	.257		27
1897	548	48	20	91,164,363	.282		13
1898	510	84	75	101,552,063	.285		9
1899	514	36	82	101,907,316	.288		9
1900	524	19	99	96,911,000	.305		5
1901	485	9	86	96,695,584	.301		9
1902	498	1		91,738,573	.312		6
1903	504			96,068,183	.324		11
1904	518			92,865,921	.30		12
1905	520			89,834,005	.302		11
1906	467			97,628,788	.325		3
1907	443		41	94,269,685	42.7		24
1908	451		43	85,348,809	61.0		19
1909	402		44	90,015,028	60.5		20
1910	398		42	89,179,612	61.5		17
1911	399		40	98,740,419	43.4		10
1912	414		50	124,168,089	40.7		5
1913	423		50	132,878,353	46.8		5
1914	435		55	140,497,549	42.5		5
1915	445		55	165,834,374	44.4		9
1916	448	No. of Cream Stations	57	172,337,863	47.2		10
1917	455		58	192,442,103	47.2		9
1918	463		60	196,068,448	47.37		9
1919	464		61	214,561,518	45.03		19
1920	465						

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
59 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
131 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.	

BUTTER PRODUCTION FOR 1927

No. Creameries	Butter Made	Average Price Paid Patron
264 Co-operative Creameries	81,269,654 lbs.	50. cents
141 Individual Creameries	22,176,364 lbs.	46. cents
58 Centralizer Creameries	88,996,085 lbs.	44.5 cents
463	192,442,103 lbs.	

BUTTER PRODUCTION FOR 1928

No. Creameries	Butter Made	Average Price Paid Patron
270 Co-operative Creameries	83,974,642 lbs.	51.20 cents
134 Individual Creameries	23,825,233 lbs.	48.20 cents
60 Centralizers	88,268,573 lbs.	46.5 cents
464	196,068,448 lbs.	

BUTTER PRODUCTION FOR 1929

No. Creameries	Butter Made	Average Price Paid Patron
272 Cooperative Creameries	96,753,154 lbs.	47.87 cents
132 Individual Creameries	26,972,610 lbs.	45.98 cents
61 Centralizers	90,835,754 lbs.	45.00 cents
465	214,561,518 lbs.	

STATE TRADE MARK

Professor Mortensen tells us that Mr. Paul Crowley, who is now Secretary of the Iowa Creamery Butter Manufacturers Association, was really the first to suggest a trade mark for Iowa butter. He was at that time dairy extension man for the State College at Ames. It came about in connection with a butter improvement campaign which was started by the College Dairy Department some twenty years ago. It was taken up later by their Dairy Board and was discussed at various times until it was finally decided to get a bill through the legislature.

Mr. W. B. Barney, who was then Dairy Commissioner, took a very active interest in this matter. Senator Chris from Clarke and Madison counties, was induced to introduce the bill. The kind

of mark to adopt was discussed pro and con by the members of the Dairy Board. Finally a gold medal was offered as a prize for one designing the most satisfactory trade mark for Iowa butter. Mr. Chas. Lake, who was then a student at Ames and had considerable artistic ability, made a drawing of what is now our present trade mark. Mr. Lake is a graduate from the four-year course in dairy industry in the year 1912, and is at present agricultural development agent of the M. & St. L. railroad with headquarters at St. Paul.

It was not until the session of the 36th General Assembly, 1915, that Senate File 265 was introduced in the Senate. To this bill, which was a re-writing of our then dairy law, was added the provisions that created the Iowa trade mark. As meritorious as was



the measure it did not have smooth sailing. The Dairy and Food Committee to which it was referred reported it back for passage with amendments, and the suggestion that it be referred to the Appropriation Committee. The Appropriation Committee amended it by eliminating the state trade mark feature, and recommended its passage. It thus passed the Senate. The House treated it more kindly and it came out of the Dairy and Food Committee of that body amended by restoring the trade mark feature, and was then passed under the guidance of Representative Holbert of Greeley. On its return to the Senate, it was passed unanimously by that body as amended by the House. According to the legislative record, it was introduced and fathered in the Senate by a lawyer representing a district without a creamery. It was sponsored and looked after in the House by the member from Delaware

county, an internationally known breeder and importer of pure bred horses.

A full list of the creameries that have at one time qualified for the trade mark is here given, including the year and their butter-makers.

STATE BRAND CREAMERIES

Name of Creamery	Year	Buttermaker	Post Office	No.
Strawberry Point Coop. Cry.	1916	H. C. Ladage	Strawberry Point	1
Farmers Creamery Co.	1916	F. C. Hinze	Manly	2
Alta Vista Farmers Cry. Ass'n	1916	R. Jorgensen	Alta Vista	3*
Algona Coop. Creamery Co.	1916	L. S. Edwards	Algona	4
Burl Coop. Creamery Co.	1916	Watson Shick	Burl	5*
Bremer Creamery Co.	1917	R. J. Allenstein	Bremer	6
Farmers Coop. Cry. Ass'n	1919	A. W. Hein	Hull	7
Center Valley Creamery Co.	1919	Roy Scoles	Sumner	8
Lake Mills Creamery Co.	1922	Carl Hovland	Lake Mills	9
Washington Creamery Co.	1920	G. L. Gamm	Waverly	10*
Tripoli Creamery Co.	1922	H. C. Ladage	Tripoli	11
Farmers Coop. Cry. Ass'n, Tenold	1922	H. C. Stendal	Northwood	12
Denver Creamery Co.	1922	W. J. Spurbeck	Denver	14
Klinger Coop. Creamery Co.	1922	H. Segenhardt	Readlyn	15*
Readlyn Creamery Co.	1922	H. A. Griese	Readlyn	16*
Artesian Creamery Co.	1922	C. J. Meier	Waverly	17*
Farmers Coop. Cry. Co.	1922	P. H. Harms	Oelwein	18
Siegel Creamery Co.	1923	E. Rohrsen	Tripoli	19
Harlan Farmers Mnt. Coop. Cry.	1923	A. H. Bentz	Maynard	20
Lost Inland Creamery Co.	1923	A. P. Anderson	Graettinger	21
Plymouth Coop. Cry. Co.	1923	M. Mikkalson	Plymouth	22
Farmers Butter & Cheese Ass'n	1923	H. C. Stendal	Northwood	23
Farmers Creamery	1924	P. Befstahl	Grafton	24
Fenton Creamery Co.	1924	F. Kueker	Fenton	25
Farmers Coop. Cry. Co.	1924		Randalla	26
Whittemore Farmers Cry. Co.	1925	O. J. Kloock	Whittemore	27
Alpha Farmers Coop. Co.	1925	W. A. Rizer	Alpha	28
Volga Farmers Coop. Cry. Ass'n	1926	E. P. Gernand	Volga City	29
Ringsted Coop. Cry. Co.	1926	J. C. Jensen	Ringsted	30
Niles Creamery Co.	1926	E. F. Reuel	Colwell	31
Farmers Creamery Co.	1926	L. C. Barnes	Arlington	32
Extra Creamery Co.	1927	J. P. Jensen	Extra	33
Westgate Coop. Cry. Co.	1927	J. H. Schroeder	Westgate	34
New Haven Creamery	1927	Rueben Larson	New Haven	35
D. M. Coop. Dairy Mktg. Ass'n	1930	Wm. Anderson	Des Moines	36

*Out.

The year (1916) following the passage of the law, five creameries became users of the brand. Each year thereafter, except 1920, until 1928, additions were made to this group of quality butter-makers. The banner year was 1922, when nine creameries qualified. During 1928 and 1929, the interests of our dairy leaders centered more in the marketing of this brand of butter, than in the increase of its production. No additions were made.

It was in 1926 that a move was made to organize these creameries into a selling organization, whereby advantage of the brand could be taken, as well as of the quality. Meetings were held that culminated in the formation of the Iowa State Brand Creamery Asso-

ciation the following spring, with headquarters at Davenport. Mr. H. A. Harmison was put in charge. In December of that year Mr. Harmison moved his headquarters to Mason City, in order to be closer to his base of supplies.

Of the 26 creameries then entitled to use the brand, the following 13 embarked on this new venture:

Algona Creamery Co., Algona	Randalla Creamery Co., Randalla
Manly Creamery Co., Manly	Center Valley Cry. Co., Center Valley
Farmers B. & C. Ass'n, Northwood	Tripoli Creamery, Tripoli
Plymouth Creamery Co., Plymouth	New Haven Creamery, New Haven
Ringsted Creamery Co., Ringsted	Colwell Creamery, Colwell
Tenold Creamery Co., Northwood	Lake Mills Creamery, Lake Mills
Whittemore Cry. Co., Whittemore	

Today all but two of the 28 who enjoy the trade-mark privileges are stockholders. The Association reorganized in June of this year so that creameries other than state brand could become stockholders. They have invested in a \$65,000.00 plant. They are handling the butter from 45 creameries, 32 of which are stockholders, in a home of their own, employing 26 persons, and doing a business that in 1929 amounted to \$2,370,711.35. It is from such a beginning as this that most of our largest and most successful industries started.

At the present writing there are 28 State Brand Creameries in good standing in the state. These creameries made 9,284,995 pounds of creamery butter last year. This was an increase of 567,966 pounds over 1928. They also produced 414,077 pounds of butterfat that was sold in the form of sweet cream. If this had been sold as butter it would have added 496,892 pounds to the state brand creameries' total butter production, or a total of 9,781,887 pounds.

The average price paid the farmer for his fat by these creameries was 50.42c per pound, 2.2c less than the year before. The high creamery was 53.5c, which was a little less than 2c below last year.

STATE BRAND CREAMERIES

Strawberry Point Co-op. Creamery, Straw-	
berry Point	Otto F. Weger.....No. 1
Farmers Creamery Co., Manly	Ed. M. Andressen.....No. 2
Algona Co-op. Creamery, Algona	M. P. Christiansen.....No. 4
Farmers Co-op. Creamery Ass'n, Hull	B. Scholten.....No. 7
Center Valley Creamery Ass'n, Sumner	R. J. Allenstein.....No. 8
Lake Mills Creamery Co., Lake Mills	Carl Hoveland.....No. 9
Tripoli Creamery Co., Tripoli	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
Readlyn Creamery Co., Readlyn	H. A. Griese.....No. 16
Farmers Co-op. Creamery Co., Oelwein	F. H. Harms.....No. 18

Siegel Creamery Co., Tripoli.....	W. Behrens	No. 19
Lost Island Creamery Co., Grættinger.....	Selmer Nelson	No. 21
Harlan Mutual Co-op. Cry. Co., Maynard.....	G. C. Mittlestadt	No. 20
Plymouth Co-op. Creamery Co., Plymouth.....	M. Mikkalson	No. 22
Farmers Butter & Cheese Ass'n, Northwood.....	H. C. Stendal	No. 23
Farmers Creamery Co., Grafton.....	R. J. Jorgensen	No. 24
Fenton Co-op. Creamery, Fenton.....	Fred Kucker	No. 25
Randalla Mutual Creamery Co., Randalla.....	W. A. Rizer	No. 26
Whittemore Farmers Cry., Whittemore.....	O. J. Kloock	No. 27
Alpha Farmers Creamery Co., Alpha.....	P. J. Lusson	No. 28
Volga Farmers Creamery Co., Volga City.....	F. P. Gernand	No. 29
Ringsted Co-op. Creamery, Ringsted.....	J. C. Jensen	No. 30
Niles Creamery, Colwell.....	C. J. Christensen	No. 31
Farmers Creamery Co., Arlington.....	Walter Waskow	No. 32
Exira Creamery, Exira.....	J. P. Jensen	No. 33
German Creamery Co., Westgate.....	John Schroeder	No. 34
New Haven Creamery, New Haven.....	Julius Brunner	No. 35

The above creameries are located in thirteen counties and are distributed as follows: Fayette, 7; Bremer, 4; Worth, 4; Kossuth, 3; Clayton, 2; Audubon, 1; Cerro Gordo, 1; Emmet, 1; Floyd, 1; Mitchell, 1; Palo Alto, 1; Sioux, 1; Winnebago, 1.

There is much discussion at the present time as to whether the work and care necessary to obtain the use of the State Trade Mark is worth the cost. It is universally admitted that we do not get something for nothing, and the state trade mark is no exception. This Department has always figured, and we have seen nothing up to the present time to change our opinion, that the state trade mark was not only worth all it costs the creameries to get it, but it has a potential or future value that is going to make it worth more. The high value of some of our trade marks or brands, like the world, was not made in a minute. These high values have been attained only by years of persistent work, not only in making a high quality product, but in seeking out and putting it before that class of trade that is willing to pay a little more for an article whose brand can be relied upon.

In addition to the State Brand Creameries, there are some twenty-odd other creameries that are selling their product through this association; seven or eight of which, from the quality of butter they make, could easily qualify for the state brand. These twenty-one creameries made last year five and two-thirds million pounds of butter, the patrons of which received close to 2c less than the patrons of the state brand creameries. This comparison is not made as any disparagement to these creameries outside of the brand, but rather to show that the creameries that have acquired the brand are not paying their patrons any less by virtue of being state brand creameries. But by becoming a state brand creamery

and joining this organization, they are laying the foundation to future opportunities that are sure to develop.

WHAT IS A BANNER OR TWO AMONG FRIENDS

It is said that "it is the exception that proves the rule." At least it is reported that is the retort an Iowan got when he called the Minnesota boys' attention, back in 1921, to the fact that they did not always win the banner. Up until that time Minnesota had established a rule of winning the banner without even an exception. In fact, in 1922 and 1923 the banner was again theirs. But in 1924 the Iowa buttermakers not only proved an exception, but commenced to establish a rule of their own, and for the next five years the tables were turned and the banner graced the walls of the Dairy Building at Ames, and became a familiar frontispiece for this Division's Annual Report, barring the year 1926, when Minnesota was the exception.

This year Iowa has had to take a dose of her own medicine. Minnesota not only won the banner but took first, second and third prizes in the cold storage butter contest, and the second and third prizes in the fresh butter contest. Fred Kucker of Fenton, was the only one able to "pluck a brand from the burning" by winning first place in the fresh butter contest with a score of 96.

In the butter judging contests, Iowa regained some of her former prestige when her team composed of Walter Waskow, Arlington; E. J. Primus, Aurora, and Charles Zierath, Charles City, won with a total of but 39.25 points off.

In the individual butter judging contest, E. E. Kelly of Estherville, Iowa, was first with only one-half point off. Second place went to Minnesota and third place to Oregon.

It was in the butter judging contest for women that the Hawk-eye state really shone. Mrs. F. A. Carolus, Kelsey, was first, with 10.25 points off; Mrs. Victor Anderson, Rockwell, second, with 19.5 points off, and Mrs. R. C. Wilson, Edgewood, third, with 20.0 points off.

AT THE NATIONAL DAIRY EXPOSITION

The butter scoring contest held in connection with the National Dairy Exposition at St. Louis, October 14th to 19th, was divided into four divisions. A sweet cream class in the Storage Contest, and a sweet cream class in the Fresh Butter Contest. A ripened cream class in the Storage Contest, and a ripened cream class in

the Fresh Butter Contest. The first two were new features in our National butter scoring contests.

Our neighbors on the north again demonstrated that they were out for blood this year, as Minnesota entries ranked first in three of the four groups, second in two of the groups, and third in two of the groups. Fred Harms of Oelwein, won first in the Sweet Cream Storage Contest, with a score of 95; E. J. Primus of Aurora stood second in the Sweet Cream Fresh Butter Contest, with a score of 94.25, and F. P. Gernand of Volga City, captured third in the Ripened Cream Storage Contest, with a score of 94.50.

IOWA MAN TAKES FIRST

C. F. Lubkeman of Coulter, Iowa, won the Grand Prize among a large list of entries in the International Butter Contest, held in conjunction with the Dairy Industrial Exposition, and under the auspices of the National Creamery Buttermakers Association and the Dairy and Ice Cream Machinery and Supplies Association at Toronto, Canada. In the State and Provincial prizes, E. Gustafson of Emmetsburg, won for Iowa with a score of 94.75.

CHEESE

So far as the consumption is concerned, Iowa consumes its quota of cheese, probably ten to twelve million pounds a year. Nine-tenths of it we import, and we do not think we are far wrong when we say the reason for so doing is that we can buy it cheaper than we can make it.

As a local proposition, I can see no reason why a man who understood the business could not pay the going butterfat price for milk, and pay expenses by making it into cheese, provided he could sell it direct to the retailer. However, the sale of his output would have to be limited to a small territory, for when he went beyond that, his increased cost in doing business would soon eat up the profits a small conservative direct selling plan might have.

The output in 1929 shows an increase over the preceding year of 146,685 pounds, an increase of 15%, which is not so bad from a percentage standpoint. We also have listed this year, ten cheese factories instead of nine, so you can see that if we are to get any encouragement at all out of the future of cheese making in this state, we will have to take our encouragement from a percentage standpoint rather than from the volume of cheese actually produced.

Last year we quoted the average price paid for cheese in Wis-

consin, the primary cheese market for six years, as being 22 $\frac{1}{4}$ cents per pound. Just what the price will be this coming year with butter fully ten cents lower than it was during the period referred to, is a matter of conjecture.

We still have hope that sometime Iowa will make at least the cheese she consumes, and if we could increase our make 15% a year it would not be a matter of so long a time, but it is a little harder to increase 15% on eight or nine million pounds than it is on one.

Cheese is a palatable article. It has much of the food qualities that dieticians say we should have, and it would seem that there is no excuse for people in this state eating an imitation butter when they could get a good Iowa made cheese for twenty-five cents or less per pound.

ICE CREAM

Ice cream has become an integral part of our dairy output here in Iowa. Of the seven billion pounds of milk produced last year probably 300 million pounds found its way into the manufacture of this product, and its increased consumption has done its part towards taking care of the increased production of milk during the last ten years. It is one of our most popular confections, enjoyed by children and parents alike, and has an advantage over other sweets in that it is also a food and contains all of the food constituents in vitamins found in milk.

No hotel or cafe is without ice cream, as it is one of the most appetizing desserts. All drug stores have had to set apart space for the serving of this so palatable a food. Hospitals are not without it for it has become an important part in the diet of the convalescent, and it is one of the delicacies that is not barred from the training tables of athletes.

In 1910 it was estimated that this nation consumed approximately 95 million gallons of ice cream, or a per capita consumption of eight-tenths of a gallon. Last year a conservative estimate puts this nation's consumption at 350 million gallons, or a per capita consumption at 2.9 gallons, while here in Iowa we had a consumption last year of over 7 million gallons.

POULTRY AND EGGS

The Iowa hen's contribution to our agricultural income during 1929 was in round numbers 165,000,000 dozen of eggs, and 35,200,000 head of poultry, valued at \$84,000,000.00. There was about

a 10% increase in the production of poultry, and a trifle over 3% increase in our egg production, over 1928.

By the first of June each year, the trade has had the opportunity to form a fairly good idea of the trend of the market for the remainder of the season. This year there was a more pronounced uncertainty during the first half of the year than usual. The January receipts were heavier than in 1928, February and March much lighter, and April heavier than the year before. After May 1, receipts began running lighter and continued so during the month. By comparing the prices paid for eggs during the first five months of the year with the year before, you will see January was low, February high, March and April low, and May on an average of three cents higher than last year.

During June and July, prices did not vary much from 1928. August saw prices advance somewhat more than the seasonable rate. This was due to a good consumptive demand, and a marked decrease in our storage reserve. From then until the close of the year, prices ruled steady at a higher level than the fall before. It was a satisfactory year for the storage people.

The first half of the year was much the same for poultry, both in production and in the price, as 1928. From July on until the close of the year, the increase in production made itself manifest in increased receipts and a lower price level than the year before.

Iowa hatcheries are an important unit of Iowa's poultry production program, according to figures that have been compiled by Carl N. Kennedy, Assistant Secretary of Agriculture, from a recent inspection of these plants by representatives of the Iowa Department of Agriculture. These reports indicate that there are 668 hatcheries, with a reported capacity of 20,417,106 eggs.

"Page county leads in hatchery capacity with machines that will set 614,000 eggs, while Louisa county has the smallest capacity with 23,000 eggs. Polk county ranks second with 599,000 capacity, while Jasper county is third with 553,000.

"While there is some variation in the number of chicks hatched per unit of capacity, it is usual for a hatchery to produce from 2½ to 3 chicks per egg capacity. This would make it seem probable that Iowa hatcheries will produce approximately 50,000,000 chicks during the present season.

"Estimates from reliable sources indicate that Iowa farmers utilize approximately 100,000,000 chicks annually, in order to maintain their usual production of chickens," Mr. Kennedy de-

clared. "If these estimates are correct, about one-half of Iowa's chicks are hatched at home or by small breeders and about one-half by commercial hatcheries."

Another branch of our egg industry that has grown to major importance is the output of our breaking plants. The twelve plants in operation this year consumed 15,434,000 dozen of eggs, making a frozen product of 17,452,000 pounds. The average price paid for these eggs was 25c.

That Iowa is improving her general method of handling her egg crop is evident from the increasing number of firms that are buying on grade. The Special Grade 1 is more in demand, and to get this a differential in price must be made to induce the farmer to deliver that kind of an egg. In fact, Iowa will not reach the last word in egg production until she standardizes her product. California has overcome a transportation handicap of 2,000 miles, twice over, through the quality of her pack. The average price of Pacific Coast Extras (white) on the New York market was 7½ cents above Western Extras (mixed colors) for the year.

There were issued during the year 8,073 egg dealers' licenses; 3,650 poultry dealers' licenses; and 19 cold storage licenses. There are some 650 commercial hatcheries and 270 wholesale poultry and egg dealers in the state.

AVERAGE PRICE PAID FARMER

During March, April, May, June.....	1925	25.00c
for remaining months.....	1925	35.50c
the entire year.....	1925	32.66c
During March, April, May, June.....	1926	23.50c
for remaining months.....	1926	31.00c
the entire year.....	1926	27.20c
During March, April, May, June.....	1927	18.00c
for remaining months.....	1927	29.25c
the entire year.....	1927	25.00c
During March, April, May, June.....	1928	23.00c
for remaining months.....	1928	27.00c
the entire year.....	1928	25.00c
During March, April, May, June.....	1929	24.25c
for remaining months.....	1929	33.00c
the entire year.....	1929	30.00c

YEARLY POULTRY PRODUCTION

Year	No. Head	Pounds	Value
1922	30,790,000		\$32,000,000.00
1923	30,645,000		35,000,000.00
1924	31,000,000		31,000,000.00
1925	30,000,000		30,000,000.00
1926	31,000,900		30,896,000.00
1927	32,000,000	155,000,000	27,500,000.00
1928	32,000,000	144,000,000	32,100,000.00
1929	35,200,000		38,720,000.00

YEARLY EGG PRODUCTION

Year	No. Dozen	Value
1922	159,720,000	\$43,539,672.00
1923	175,000,000	49,360,000.00
1924	154,000,000	43,630,000.00
1925	150,000,000	49,000,000.00
1926	160,000,000	43,720,000.00
1927	170,000,000	35,630,000.00
1928	160,000,000	40,000,000.00
1929	165,000,000	45,550,000.00

AVERAGE MONTHLY PRICE

	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
1927	30	25	18	19	18	16	19	21	28	34	39	38
1928	34	24	22	23	24	23	24	26	27	29	35	37
1929	27	30	25	22	26	24	24	28	32	35	41	46

It is estimated that 65% to 70% of our eggs are produced during the four spring months and 30% to 35% during the remaining eight months. It is on that basis that the total value for the year is figured.

Owing to the frequent calls for a copy of our egg grading law, we again publish it in this year's report.

Section 1. GRADES. The following grades of eggs are hereby established:

GRADE 1. The minimum requirements of this grade shall be eggs which are clean and sound, with an air space of two-eighths (2/8) inch or less in depth, yolk only slightly visible, white, firm and clear, and the germ not visible. Eggs shall weigh twenty-four (24) ounces net per dozen, with a minimum rate of twenty-two (22) ounces for individual eggs. This grade would include eggs that would go as United States Specials and United States Extras.

GRADE 2. The minimum requirements of this grade shall be eggs which are clean and sound, air cell of three-eighths (3/8) inch or less in depth, yolk may be visible and mobile, white shall be reasonably firm, and germ may be slightly visible. Eggs shall weigh twenty-four (24) ounces net per dozen, with a minimum rate of twenty-two (22) ounces for individual eggs. This grade shall include eggs that would go as United States Standards.

GRADE 3. All edible eggs which do not meet the requirements of either of the preceding grades may be classed under this grade

or may be further subdivided in conformity with federal grades into United States Trades, United States Dirties, or United States Checks.

FRESH EGGS: A fresh egg shall be considered such if not to exceed fourteen days old, shall be clean and sound, with an air cell of two-eighths (2/8) of an inch or less in depth, yolk only slightly visible, white, firm and clear, and the germ not visible.

SPECIAL GRADE 1. The minimum requirement of this grade shall be the same as the grade 1, and in addition thereto, when sold to the dealer, the eggs must have been laid within a period of seventy-two hours.

FOOD AND SANITARY LAWS

Each year has its outstanding infringement of our food and sanitary laws. In 1929 it came in the form of a product that was being put upon the market in the form of a beverage known as "Krim-Ko", called chocolate milk, or malted milk, and retailed through drug stores and cafes and places where carbonated beverages are sold. Schools that were furnishing milk to the pupils were also solicited on the argument that it was giving the pupils milk in a more palatable form. It catered to the trade of children as it had all of the pleasant features of pop and the nutritious qualities of milk.

The Department's attention was first called to this product when a dairyman from Fort Dodge came into the office to ascertain whether it was legal or not to bottle skimmed milk flavored with chocolate, and when informed that that would be a violation of the filled milk act we were then confronted with the question, why do you permit the sale of Krim-Ko, which is nothing more or less than skimmed milk chocolate flavored with a little additional malt? After analyzing this Krim-Ko, it was felt by the department that it was mis-labeled, and that if allowed to be sold in the state, it must be sold as a compound and properly labeled, and not sold as a milk product but rather a skimmed milk product.

Several conferences were held with the manufacturers of this product before an amicable agreement was arrived at. In the meantime, the department's attention was called to the fact that Section 3062 technically prohibits the putting into milk of any fat other than milk fat. In order to clarify the situation as to whether or not a chocolate flavor could be added to whole milk, ice cream or any other derivative of milk, the department issued the following rule known as Dairy Rule No. 15:

"In case where a flavor is added to a milk or skimmed milk drink or compound, it is not considered by the Department as violating Section 3062 of the Code, when the fat of said flavor does not exceed one-half of one per cent of the whole and said compound is labeled as required by Section 3039 of the Code."

All that is being said by our National Dairy Council to induce the use of milk, and by our dieticians who are advocating the drinking of milk on account of its vitamin contents, and the necessity of a liberal use of it in the diet of children, was utilized by the manufacturers of these filled milk compounds as a good talking point for their product which they called chocolate milk, but which was in reality an imitation, or compound, composed of products none of which were legally milk. School authorities who were buying this product were not only being misled as to what it really was, but they were giving to the children a product that contained none of the vitamins characteristic of whole milk.

There is nothing injurious about skimmed milk. It has food qualities, and there is no legal objection to its sale or use as a beverage, either as buttermilk or chocolate milk, or as an ingredient of malted milk, but it must not be spoken of, or labeled, as milk.

Under the law, "Food" includes any article used by man for food, drink, confectionery or condiment. It also includes that which enters into the composition of the above, whether simple, blended, mixed or compound.

Food establishments include any building, room, basement, or other place used as a bakery, confectionery, cannery, packing house, slaughter house, dairy, creamery, cheese factory, restaurant, hotel kitchen, retail grocery, meat market, or any other place in which food is kept, produced, prepared, or distributed for commercial purposes. There are over 20,000 of these food establishments in the state, of which there were some 73,000 inspections made, which would indicate that they were all inspected at least once, and some several times, as the cases may require.

Our manufacturing plants are credited with manufacturing goods valued at close to \$800,000,000.00. Sixty per cent of our manufactured products are articles of food in one form or another. The meat packing and slaughtering business represents one-half of the sixty per cent, or thirty per cent of the whole, and is under the direct supervision of federal inspectors. The remaining thirty per cent includes all other food products and is under the direct supervision of this department.

Since the trouble that our poultry raisers and poultry dressers have had with diseased poultry, our poultry dressing plants have

come in for more general supervision, and two important rules have been included in our food rules:

Rule 20. All poultry diseased to any extent and so declared by a licensed physician or veterinarian is considered adulterated food.

Rule 27. No person, partnership or corporation shall knowingly sell, offer for sale, or have in his possession with intent to sell, offer or expose for sale, any poultry unfit for human food, whether the same be live or dressed, the same being considered a violation of either Section 2661, 3043, or 3069 of the Iowa Code of 1927.

While live poultry may not be technically food, the department considers that, having on hand diseased poultry to be dressed, having diseased poultry in the process of being dressed and having such poultry already dressed, a direct violation of the purpose of the Pure Food Law, as well as the law itself.

HOTELS AND RESTAURANTS

Hotels and restaurants by the nature of their business are more or less public institutions. The Code designates a hotel as a building equipped and advertised as a public place, furnishing accommodations to the transient public, open at all times to all persons who deport themselves in a correct and respectable manner.

There is more or less of a question in the public's mind as to where the line should be drawn between the hotel and the rooming house, or, when does a home which rents rooms become a hotel, or subject to hotel regulations. The department making the distinction between the two, formulated the following:

Rule 29. Persons keeping rooms in their family home at all times available for transient hire, although not continually occupied, are deemed by the department to be operating a hotel. But rooms rented only occasionally for the accommodation of a transient guest do not come within the meaning of, "at all times available for transient hire." It is the business of doing so, and not the occasional renting of a room, that brings it within the purpose of the law.

The distinction between a boarding house and a restaurant is described by another rule as follows:

Rule 32. A boarding house is not a restaurant or cafe unless it caters to and is available at all times to transient guests.

Our hotels are divided into five classes and are licensed as follows:

Class E. For a hotel containing fifteen guest rooms or less, four dollars.

Class D. For a hotel containing more than fifteen or less than thirty-one guest rooms, six dollars.

Class C. For a hotel containing more than thirty and less than seventy-six guest rooms, eight dollars.

Class B. For a hotel containing more than seventy-five and less than one hundred fifty guest rooms, ten dollars.

Class A. For a hotel containing one hundred fifty or more guest rooms, fifteen dollars.

Last year there were 1,018 of the \$4.00 class licensed; 200 of the \$6.00 class; 160 of the \$8.00 class; 41 of the \$10.00 class, and 20 of the \$15.00 class, making a total receipt of \$7,262.00 for hotel licenses.

Our restaurants are of two kinds, those that are located permanently, and the itinerant restaurant, or lunch counter like those that attend fairs, public celebrations, etc. The license, like the sanitary license, is \$3.00 for each location and is not transferable. Of the permanent kind there were 4,549 licensed, returning to the state \$13,647.00. Of the itinerant, or fair restaurants, 1,189 licenses were issued, increasing the state's revenue \$3,567.00.

From a sanitary standpoint our hotels and restaurants require as much attention from our men as any phase of their inspection work. It is to the credit of this class of business that most of our hotels and restaurants realize that the cleanliness of their dishes and the whiteness of their table linen do much to make the patrons appreciate the food set before them, and the bedding and furnishings of their rooms are material aids to a good night's sleep.

All new hotels have to come under the provisions of the law, in their construction regarding fire protection. Our inspection force, work in conjunction with the Board of Health and Labor Commissioner, in examining the construction of all new hotels. The responsibility is great and a strict compliance with all laws and the department's rules and regulations, is as much to the interest of the management as to his patrons.

AGRICULTURAL SEEDS

The movement of seeds during 1929 was fully as active as in previous years and more shipments were sampled by the department. Seventeen hundred eighty-four samples were collected by the inspectors and 403 were submitted, making a total of 2,187 samples tested. Nearly all of the lots of seed sampled were of good quality. Some lots from outside the state were very poor. It was necessary to remove from sale 51 lots of seed, due to their having an excess of noxious weeds. Twenty-four of these were sold by Iowa dealers, the other 27 being seed imported into the state from the outside.

Samples taken from mail order shipments at depots, with few exceptions were found properly labeled, but in some cases the seed was of poor quality. The law requires certain information to be stated on the label so that the buyer is properly informed if he reads the label. Only seed of high purity and germination should be planted. The price is of secondary importance. It is a good

investment for a farmer to pay 50 cents to have any seed he wishes to plant, tested by the Department. Farmers should buy seed from reliable seed dealers located in the state, as the Department cannot help him if he buys from firms outside the state.

While the law gives protection it is impossible for the Department to force farmers and seed dealers to accept this protection. The fullest protection can be had only by close cooperation of farmers and seedsmen with the State Department of Agriculture.

IMPORTED SEED

Since Congress passed a law requiring 10% of imported alfalfa and clover to be colored, the practice of mixing domestic and imported seed has stopped. There was a large quantity of Turkestan alfalfa sold in Iowa this year, but as it was colored the purchaser was not deceived. Alfalfa from certain sections of Turkestan will grow in Iowa, but is not suitable if it comes from a section which has a mild climate. There seems to be a difference of opinion on the advisability of planting Turkestan alfalfa in this latitude. Farmers desiring information on planting imported seed should advise with the Farm Crops Department, Iowa State College, Ames, Iowa.

LABELING SEEDS

There continues to be some doubt among seedsmen as to what the law requires on labels attached to shipments of seed in Iowa. In order to clarify the matter, the facts which must appear on labels of seeds are itemized below for your guidance and assistance. (The order of stating is optional.)

LABELS ON ALL SEEDS NOT MIXTURES—

Name and address of dealer.....
 Variety of seed.....
 Purity.....% Date Tested.....
 Germination.....% Including.....% hard seed
 Noxious weeds.....
 (name of each kind—Sec. 3127, Part 3)
 Year grown.....Where grown.....
 Net weight.....
 Weed seed.....

LABELS ON MIXTURES OF—(IN LOTS OF 10 LBS. OR MORE)

Alsike and Timothy
 Alsike and White Clover
 Red Top and Timothy
 Alsike and Red Clover

LABEL

Name and address of dealer.....
 That it is a mixture
 Name and per cent of each kind of seed present
 (In excess of 5 per cent)

Noxious weeds.....(Name when present singly or collectively in excess of 1 in 15 grams)	
Weeds	%
Germination of each kind of seed.....	%
Date tested	%
Year grown	
Net weight	

LABELS ON MIXTURES OF SEED—(OTHER THAN LISTED ABOVE)

Name and address of dealer.....	
That it is a mixture	
Name and per cent of each kind of seed present (In excess of 5 per cent)	
Noxious weeds.....(Name of each present singly or collectively in excess of 1 in 15 grams)	
Weed seed	%
Inert matter	%
Germination	(Not required)
Net weight	

PROHIBITED SEEDS

When seeds contain Canada Thistle, Quack Grass, Buckhorn, Wild Carrot, Horse Nettle, Didders, single or collectively, in excess of one in five grams of Timothy, Red Top, Tall Meadow Oat Grass, Italian, Perennial or Western Rye Grass, Fescues, Brome Grass, Mammoth, Red, White, Alsike and Sweet Clovers, Alfalfa or other grasses or clovers. When present singly or collectively in excess of one in twenty-five grams of Millet, Rape and Flax.

The department advises that in stating the germination, the following method of stating hard seed will be acceptable.

Germination 97% including 10% hard seed.

NOXIOUS WEEDS

The law makes the following weeds noxious. The label must show when any of them are present in any quantity.

Common wild mustard or charlock
Indian mustard
Perennial sow thistle
Sour, curled or smooth dock
Wild oats
Corn Cockle
Sheep or horse sorrel
Canada thistle
Quack grass
Buckhorn
Wild carrot
Horse nettle
Dodder (clover, alfalfa and field)

FARMERS' SEED

A farmer can sell seed of his production if delivered on his premises. If, however, he advertises his seed or delivers by common carrier, then the seed must be labeled as required by law. The farmer's seed in no case, however, is exempt from the sale of seed containing an excess of 1 in 5 grams, singly or collectively, of the

seeds of Canada Thistle, Quack Grass, Buckhorn, Wild Carrot, Horse Nettle and Dodder.

Copies of our bulletin and the seed law can be obtained by writing, Iowa Department of Agriculture, Des Moines, Iowa.

COMMERCIAL FEEDS

The purpose of our Commercial Feed Law is to protect the purchaser from poor or fraudulent feed, by requiring the manufacturer to label his feed with a statement of the ingredients contained therein; also the amount of protein, fat, fiber and nitrogen free extract (starch and sugars) so that the buyer is fully informed of the feeding value of the product bought. The manufacturer is protected against dishonest and unfair competition. It also gives the purchaser added protection by requiring the department of agriculture to analyze a sample of the feed he buys, if he will submit a sample to the state chemist, accompanied by the very nominal fee of \$1.00, which is much below the actual cost of making the analysis. Five dollars is the commercial price for such an analysis. This analysis does not include feeds for the manufacturer. Further protection against dishonest feeds is had by requiring the manufacturer to file an annual registration of each feed with the department, in which there is a sworn statement as to the ingredients and the analysis of the feed.

Department inspectors are constantly taking samples of the different feeds on the market, as indicated by the 1,000 samples collected and reported in the department bulletin. With few exceptions, the feeds being sold on the Iowa market are honestly labeled. A checkup is made on all feeds that are found to vary from the claims on the label, and the manufacturer is notified that their product must come up to the guarantee or be taken off sale. There has been an increase each year in the number of feeds registered for sale in Iowa as shown by the following:

Year	Feeds Registered
1925	1078
1926	1208
1927	1451
1928	1754
1929	1970

This would indicate that the use of the prepared feeds in Iowa is a stable and growing practice and that many feeders prefer to buy balanced feeds rather than prepare them.

The Federal Food and Drug Law applies only to interstate shipments. No labeling is required on feeds under this law, except a

statement of the net weight. However, any statement made on the label must be correct, for the feed is liable to seizure.

The state law only applies to feeds sold or offered for sale within the state.

Inspectors of the State Department are authorized to collect samples of interstate shipments of feed for the federal office in Chicago, who take action against the manufacturer of any product found to be misbranded.

STATE INSPECTION TAGS

State inspection tags which must be attached to each sack of feed only indicate that the manufacturer has paid the inspection fee, and do not signify a state guarantee as to quality or analysis.

DIGESTIBLE PROTEIN

The digestibility of a feed cannot be determined by an analysis. This can be ascertained best by a feeding test with the animal. Books on feeding give the digestibility of the common ingredients used in feeds, the results having been obtained by passing the feed through the animal.

STOCK TONICS

The law defines a stock tonic as a class of commercial feed which claims to possess condimental, nutritive or medicinal properties. Some confusion is caused by designating medicinal preparations as a class of feed, and we feel that the law should be so amended as to give a clearer definition of a stock tonic. We believe that in some cases unwarranted claims are made on labels and circulars of these feed products.

MINERAL MIXTURES

These products which are intended to supply the mineral deficiency in the ration of the farm animal seem to have decreased in number during the last year, our registration showing 168 for 1930, as compared with 220 for 1929.

VITAMINS

The necessity of vitamins in the animal ration has received much attention in recent years. Much work is being done in experimental feeding, the results of which show that for normal development of the animal certain vitamins are necessary. Most rations contain vitamin "D", which is generally supplied by the addition of cod liver oil to the feed. Yeast is often added to feeds in order to obtain Vitamin "B". The adding of vitamins to certain foods is yet in an experimental stage.

The following table shows the tonnage sold in recent years as indicated by the sale of inspection tags:

Year	Tons
1925	283,382
1926	317,069
1927	394,798
1928	375,842
1929	327,176

This does not include wheat, rye and buckwheat bran, shorts and middlings, all of which are sold or produced in the state, and on which no inspection fee is charged.

The department issues a bulletin which contains the definitions and standards for mixed feed, the average composition of commercial feeding stuffs, as well as the regulations for branding and labeling feeds; also much general information pertaining to the manufacture, sale and food values of commercial feeds. This bulletin may be had on request.

CANNING INDUSTRY

The reports turned in from the 60 canning factories inspected during the season of operation, show that this industry is in very good shape. Very little was found to criticize so far as the sanitary conditions of the plant were concerned, or the care that was being taken in the selection and handling of the products manufactured.

Corn is the major product handled and probably represents 80% of the total pack. The output was somewhat larger than 1928. There were 3,054,510 cases, of 24 cans each, valued at \$6,109,020.00, packed during the season. A little over 50,000 acres were devoted to this crop. Of the 60 factories reporting, the following report the number of different products packed:

48 of the plants reported corn, with an average price of.....	\$ 9.00
18 of the plants reported tomatoes, with an average price of	12.00
7 of the plants reported pumpkins, with an average price of.....	8.00
9 of the plants reported beans	
1 of the plants reported peas	
4 of the plants reported kraut	
2 of the plants reported spinach	
2 of the plants reported asparagus	
2 of the plants reported carrots	
1 of the plants reported mixed vegetables	
1 of the plants reported beets	

The quality of the pack in 1929 is reported as excellent, and as 90% of it was sold at the beginning of the season, it should have been a satisfactory year for the canner. As the surplus that had clogged the market the previous year has disappeared, the market

for the 1929 crop was satisfactory and no doubt will remain fairly steady during the balance of the unsold pack.

The quality of the sweet corn was good, and though the yield was reduced somewhat because of continued wet and dry weather in certain sections, it was up to the expectation of the canners.

A complete directory of all canners and packers in the Iowa-Nebraska Association is here given, with 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 Chill Sauce, u—Mince Meat, v—Apple Butter, w—Syrup and Molasses, x—Shrimp, y—Okra, and Okra and Tomatoes, z—Figs.

IOWA

Ames Canning Factory.....Ames, A-E-J.
Atlantic Canning Co.....Atlantic, A-F.
Anderson Bros. Canning Co.....Oskaloosa, A-C-F-E.
Belle Plaine Canning Co.....Belle Plaine, A.
Bell Canning Co.....Office—Waterloo, A.
Factories—Grundy Center, Reinbeck.
Brighton Canning Co.....Brighton, C-F-K.
Baxter Bros. Co.....Office—Brunswick, Me. A.
Factory—Wapello.
Central Iowa Canning Co.....Cambridge, A.
Columbus Canning Co.....Columbus Junction, C.
Caster Canning Co.....Leon, A-C-F-E.
Clarksville Canning Co.....Clarksville, A.
Center Point Canning Co.....Center Point, A.
Cedar Falls Canning Co.....Cedar Falls, A.
Denmire, L. E.....Sandusky, C.
Elgin Canning Co.....Elgin, A-E.
Forest Canning Co.....Forest City, A.
Farmer Canning Co., J. LeRoy.....Office—Monticello, A.
Factories—Van Horn, Monticello, Tipton.
Farmer Canning Co., V. F.....Mt. Pleasant, A-C.
Farmer Canning Co., V. F.....Audubon, A.
Farmer, S. G.....Story City, A.
Ft. Madison Canning Co.....Ft. Madison, C.
Guttenberg Canning Co.....Guttenberg, A.
Grimes Canning Co.....Office—1220 Southern Surety Bldg.
Factories—Perry, Rockwell City, Des Moines, A.
Gilman Canning Co.....Gilman, A.
Grinnell Canning Co.....Grinnell, A.
Glenwood Canning Co.....Glenwood, C.
Gockenour, Elmer, Canning Factory, Grandview, C.

Hartong, Roy.....Waterloo, K.
H. J. Heiny Co.....Muscatine, C.
Hemstreet Canning Co.....Cedar Falls, A-C-E-W-J.
Iowa Canning Co.....Office—Vinton, A.
Factories—Garrison, La Porte City, Storm Lake, Shellsburg.
Iowa Valley Canning Co.....Marengo, A.
Independence Canning Corp.....Independence, A.
Iowa City Food Products Co.....Iowa City, A.
Keokuk Canning Co.....Keokuk, C.
Lake Mills Canning Co.....Lake Mills, A-C.
Marshall Canning Co.....Office—Marshalltown, A-E-W-Q.
Factories—Roland, Waverly.
Merrill Canning Co.....Harlan, A.
O'Hara & Sons.....Keokuk, C-E.
Otoe Food Products Co.....Office—Nebraska City, Neb. A.
Factory—Hamburg.
Riverside Canning Co.....Hamburg, C-E.
Red Oak Canning Co.....Red Oak, A.
Sac City Canning Co.....Sac City, A-F.
Smith, P. G., Canning Co.....Montrose, C.
Tripoli Canning Ass'n.....Tripoli, A.
Verden & Richards Co.....Dexter, A-F.
Waterloo Canning Co.....Office—Waterloo, A.
Factories—Dysart, Dyersville, Waterloo.
Weir Canning Co.....Toledo, A.
Zeliger Cont. Pres. Co.....Muscatine, C-F-K.

NEBRASKA

Aburn Canning Co.....Auburn, A-F.
Blair Canning Co.....Blair, A.
Cadahy Packing Co.....Office—Chicago, Ill. M.
Factory—Omaha.
Farrell & Co.....Omaha, w.
Fremont Canning Co.....Fremont, a.
Grand Island Canning Co.....Grand Island, 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.

LABORATORY REPORT

It is only through actual test, or a chemical analysis, that we get a real knowledge of the food value of a commercial feed or the reproducing value of our commercial seeds. It is on this account that part of the Dairy and Food Division known as the Laboratory, has become an important factor in the work and the results accomplished by the department of agriculture.

The legislature has been very kind to us in giving us a well equipped laboratory, and the department is very fortunate in having a man in charge, not only well versed in the technical part of his profession but who has had years of practical experience. It

is a busy place, as the amount of work performed there during the year would indicate.

Mr. Redfern's first assistant devotes much of his time to the analyzing of samples of butter made by Iowa's 465 creameries. The tabulation which follows this article gives the results of the analysis of the samples collected during the year. The last legislature provided for an additional chemist, and his time has been devoted almost entirely to the analysis of commercial feeds. A detailed report of the results are to be published in a separate bulletin, which like all bulletins of the Agriculture Department, are sent on request.

With the number of commercial feed and seed dealers on the increase, it has become more apparent than ever that the purchaser should pay particular attention to the quality of the article he is buying, which means more attention to the label on the package. If he finds on using it that he questions the truth of that label, all he has to do is to send a sample to our laboratory, and he is informed as to the truth about the claim of the product he has bought.

Production costs are too high these days to waste money on fake feeds, or time, planting poorer quality seeds.

We know of no work being performed by any of the divisions of the Agricultural Department that is more worth while today than that which is being done in our laboratory.

FAT

1 sample	contained from 69% to 70% fat
1 sample	contained from 72% to 73% fat
5 samples	contained from 74% to 75% fat
3 samples	contained from 76% to 77% fat
16 samples	contained from 77% to 78% fat
36 samples	contained from 78% to 79% fat
131 samples	contained from 79% to 80% fat
261 samples	contained from 80% to 81% fat
246 samples	contained from 81% to 82% fat
145 samples	contained from 82% to 83% fat
65 samples	contained from 83% to 84% fat
21 samples	contained from 84% to 85% fat
9 samples	contained from 85% to 86% fat
2 samples	contained from 86% to 87% fat

MOISTURE

1 sample	contained from 10% to 11% moisture
5 samples	contained from 11% to 12% moisture
15 samples	contained from 12% to 13% moisture
59 samples	contained from 13% to 14% moisture
177 samples	contained from 14% to 15% moisture
349 samples	contained from 15% to 16% moisture
234 samples	contained from 16% to 17% moisture
67 samples	contained from 17% to 18% moisture

19 samples	contained from 18% to 19% moisture
6 samples	contained from 19% to 20% moisture
1 sample	contained from 20% to 21% moisture
1 sample	contained from 21% to 22% moisture
3 samples	contained from 22% to 23% moisture
1 sample	contained from 23% to 24% moisture
1 sample	contained from 24% to 25% moisture

SALT

196 samples	contained from 1% to 2% salt
588 samples	contained from 2% to 3% salt
144 samples	contained from 3% to 4% salt
8 samples	contained from 4% to 5% salt
1 sample	contained from 5% to 6% salt
1 sample	contained from 6% to 7% salt

CASEIN

798 samples	contained less than 1% casein
232 samples	contained from 1% to 2% casein

AVERAGE ANALYSIS

Fat	80.39%
Salt	2.44%
Casein	.88%
Moisture	15.60%
Total number of samples analyzed:	
Butter	1,051
Feeds	717
Ice Cream	414
Milk & Cream	455
Miscellaneous	448
Seeds	2,187

FAT

26.1%	of samples contained 80 to 81% fat in 1928
27.7%	of samples contained 80 to 81% fat in 1929
29.3%	of samples contained 81 to 82% fat in 1928
26.1%	of samples contained 81 to 82% fat in 1929

MOISTURE

20.0%	of samples contained 14 to 15% moisture in 1928
18.8%	of samples contained 14 to 15% moisture in 1929
38.4%	of samples contained 15 to 16% moisture in 1928
37.1%	of samples contained 15 to 16% moisture in 1929

SALT

60.0%	of samples contained 2 to 3% salt in 1928
62.5%	of samples contained 2 to 3% salt in 1929

The average fat of butters analyzed in 1928 was 81.26% and in 1929—80.39%.

The following is a tabulation of the average composition of butter analyzed for the last five years.

	1925	1927	1928	1929
Fat	81.12	81.80	81.07	81.26
Salt	2.44	2.36	2.34	2.44
Casein	0.98	1.10	1.01	.91
Moisture	15.46	15.40	15.60	15.47

INSPECTION FORCE

Laws do not enforce themselves. There are some twenty-odd laws in the Dairy and Food Division under the jurisdiction and

supervision of the Secretary of Agriculture, put on the statute books for a purpose, not to incriminate or annoy those in business, or the public, as some are inclined to think at times, but to help the honest merchant or food producer by protecting him from unscrupulous and dishonest competition, as well as safeguarding the public by giving them some assurance that their purchase is all that is claimed for it, both as to quantity and quality.

In the forming of the Agricultural Department our inspection service was formerly conducted by three distinct divisions, the Dairy and Food, Hotel and Oil. These were all put into one division of the new department, and by that consolidation some 35,000 or more places became subject to the inspection service of this division. A little over half of this service applies to what we term food establishments, that is, places where food is either manufactured, bought, sold, stored, or held for sale. There are some 20,000 of these. The remaining 15,000 would apply to that other class of inspection such as weights and measures, paints and oils, seeds, fertilizers, and various manufacturing plants.

There are thirty-three men in this division who devote their whole time to the inspection work. Each inspector has a certain territory in which he takes care of all of the inspection work. Last year, there were close to 170,000 inspections made, which indicates that these various places are looked after at least once during the year, and many, according to the nature of the business and the frailty of mankind are visited several times during the year. Outside of that, these men in the field have been of great service to the department by the assistance they have been able to render in work other than their routine inspection, in putting on surveys, acting as judges at dairy scoring contests, addressing dairy meetings, and getting much statistical information regarding the production and sale of many food products.

Owing to the amount of diseased and inedible poultry going onto the markets of New York City and Chicago during 1928, the Bureau of Animal Industry of the U. S. Department of Agriculture issued a map of the United States indicating the extent of avian tuberculosis in the country by areas, and Iowa did not show up very well on that map. Therefore, the State Department of Agriculture, the Agricultural Extension Service of the Iowa State College, assisted by the Bureau of Agricultural Economics of the United States Department of Agriculture, organized a series of meetings to be held in different sections of the state for the purpose

of putting before the producers, as well as the dealers, the seriousness of the poultry situation, and the necessity of more care being taken by producers in the kind of birds brought to market, and the necessity of the dealers to cease buying diseased poultry.

Our thirty inspectors, with men from the office, constituted the Agricultural Department's contribution to this survey. There were held a total of 104 meetings, with a total attendance of 4,251 persons; 51 of these meetings were in the afternoon with farmers and those interested in the production of poultry, with 2,087 persons present; 53 meetings were in the evening with dealers and those interested in the dressing and shipping of poultry, with 2,146 present. The average attendance per meeting was around 40, both at night and in the afternoon.

It developed that the following problems confronted the Iowa industry. First, there were too many buyers, as was indicated by the issuance of 3,734 licenses. This meant one buyer for each 56 farms. Second, the necessity of healthier stock, and a lack of uniformity in the poultry sold. Third, too little attention was paid to the consumers' demand, and last, a lack of standardization of our grades.

That these surveys have been of inestimable benefit to the industry is evidenced by the fact that there was much less inedible poultry going onto the market from Iowa in 1929, than the previous two years.

The Forty-third General Assembly passed what was called an Overrun Law, as well as authorizing the department to inspect and examine the books and records of creameries, in order to make a check on the overrun obtained by said creameries. This was a much needed law as there were too many creameries, both large and small, that were admittedly getting an overrun in excess of what could honestly be obtained. Two men were taken from our inspection force who spent some four or five weeks going over the state and informing our creameries of the purpose and workings of this new law, and what its requirements would be in the future about having their records available at the request of a representative of the department.

The aforesaid poultry survey, as well as the reference to this overrun law, are here given as examples of much of the work that is done by our inspection force outside of their ordinary enforcement of the various laws under their supervision.

TOTAL INSPECTIONS FOR THE YEAR ENDING
DECEMBER 31, 1925, 1926, 1927, 1928 AND 1929

	1925	1926	1927	1928	1929
Counter Scales.....	43,339	39,059	36,808	24,601	32,867
Groceries.....	19,468	19,263	19,836	18,356	17,497
Platform Scales.....	17,890	16,260	13,956	14,202	13,549
Gas Pumps & Measures.....	12,707	12,015	13,501	12,645	15,634
Produce.....	10,543	11,475	12,593	12,171	11,941
Cream Test Scales.....	10,837	10,237	9,409	9,857	8,928
Cream Stations.....	10,004	10,269	10,530	10,422	9,931
Meat Markets.....	9,535	9,474	10,158	9,715	9,940
Restaurants.....	9,462	10,305	10,431	7,713	7,837
Oil.....	7,428	7,724	8,069	7,776	8,426
Wagon Scales.....	3,795	3,478	3,978	3,791	3,615
Creameries.....	2,690	2,490	2,524	3,061	2,593
Confectionery.....	2,413	3,155	3,430	3,036	2,842
Farm Dairies.....	1,955	1,096	2,485	2,336	1,036
Bakeries.....	1,729	1,419	1,738	1,501	1,527
Hotels.....	1,625	1,816	1,533	1,517	1,643
Feed Stores.....	1,392	1,990	2,777	2,407	2,616
Miscellaneous.....	1,100	1,452	917	921	1,179
Ice Cream Factories.....	958	1,013	897	1,098	828
Slaughter Houses.....	940	933	1,023	1,156	1,136
Dairymen.....	809	896	263	1,657	...
Coal Dealers.....	602	551	460	556	328
Milk Wagons.....	500	430	1,670	...	...
Seed Dealers.....	245	536	652	578	658
Bottling Works.....	237	241	256	262	231
Rendering Plants.....	164	263	281	236	232
Milk Distributors.....	...	...	...	...	1,465
Penny-in-Slot Scales.....	146	636	647	730	834
Wholesale Groc. & Fruits.....	103	161	211	192	213
Elevators.....	96	141	7	...	...
Investigations.....	...	...	845	1,329	1,025
Public Toilets.....	...	...	246	278	255
Canning Factories.....	...	...	135	143	136
Soda Fountains.....	...	...	113	1,892	2,383
Cold Storage.....	...	...	3	48	37
Mattress Factories.....	...	...	2	30	17
Fair Stands.....	...	...	...	...	3,358

172,712 168,778 172,384 169,393 166,736

MISCELLANEOUS WORK

Number of	1925	1926	1927	1928	1929
Meetings Attended.....	487	558	645	1,021	846
Complaints Investigated.....	2,271	2,537	1,156	...	...
Samples Collected.....	5,346	12,099	7,943	9,227	8,115
Samples Tested.....	14,270	10,583	16,035	16,370	14,843
Prosecution.....	313	286	311	164	156
Examinations Given.....	545	1,568	1,316	1,214	985

24,232 27,631 27,406 27,996 24,945

TOTAL INSPECTIONS THE LAST YEAR BEFORE CONSOLIDATION

Dairy and Food Department.....	64,706
Oil Department Estimated.....	7,500
Hotel and Restaurants Estimated.....	8,983
City Milk Inspection Estimated.....	14,400

95,588

DAIRY AND FOOD DIVISION—YEAR ENDING DECEMBER 31, 1929

Office Force	Salary	Expense
R. G. Clark.....	\$ 3,000.00	\$ 43.96
B. O. Browner.....	2,500.00	1,019.30
E. L. Redfern.....	2,000.00	71.49
C. S. Bogle.....	2,000.00	46.65
R. C. Meehan.....	2,000.00	.....
O. L. Osburn.....	2,000.00	36.90
A. W. Day.....	1,600.00	.....
J. W. Reese.....	533.28	.....
R. V. Barker.....	1,500.00	.....
Evelyn Rees.....	1,210.00	.....
Helen Hackley.....	1,210.00	.....
Mildred Ludeb.....	1,200.00	.....
Kathryn Birmingham.....	50.00	.....
Grace Snyder.....	430.13	.....
W. J. Van Meter.....	375.00	.....
Geo. Callahan.....	181.46	.....
Hilda Van Meter.....	.....	.....
Inspectors:	2,500.00	668.30
J. B. Frisbie.....	2,500.00	581.94
F. L. Odell.....	2,300.00	626.83
T. A. Clarke.....	2,300.00	707.01
Guy Thomas.....	2,300.00	988.25
Roy Scoles.....	2,300.00	702.70
C. N. Hart.....	2,300.00	500.67
D. T. Broers.....	1,245.83	381.90
G. H. Guthrie.....	750.00	307.42
F. D. Ford.....	2,300.00	680.80
F. D. Payne.....	2,300.00	650.93
Burr Willis.....	2,300.00	700.45
A. A. Nolte.....	2,300.00	674.34
L. E. Utterback.....	2,300.00	200.58
J. W. Milnes.....	2,300.00	979.42
R. E. Long.....	2,300.00	770.13
S. S. Rygh.....	2,300.00	676.74
W. A. Carrier.....	2,300.00	920.27
B. F. Schultz.....	2,300.00	674.37
Elmer Reed.....	2,300.00	967.94
J. D. Fete.....	2,300.00	506.06
A. L. Landis.....	2,300.00	667.23
F. W. Stephenson.....	2,300.00	479.65
W. W. Newland.....	2,300.00	802.97
O. P. Thompson.....	2,300.00	708.24
A. E. Robertson.....	2,300.00	567.83
Peter White.....	2,300.00	723.06
E. E. Mittelstadt.....	2,300.00	664.42
C. F. Benke.....	2,300.00	856.87
Fred Sunde.....	2,300.00	480.02
H. E. Ritter.....	2,300.00	567.00
H. W. McElroy.....	1,335.36	1,062.70
R. V. Barker.....	2,300.00	1,273.06
A. B. Briggs.....	2,300.00	1,222.62
F. W. Johnson.....	2,300.00	378.29
E. J. Nolan.....	766.67	.....
Expense—General Office and Laboratory:	.....	2,355.64
Expense.....	.....	10,465.03
New automobiles.....	.....	4,308.76
New trucks.....	.....	1,611.95
General auto expense.....	.....	.....

\$ 102,143.73 \$ 44,415.25

LICENSES ISSUED AND FEES RECEIVED YEAR ENDING
DECEMBER 31, 1929

Oil Inspection Fees (Bbls).....	No.	1,166,348	\$ 46,653.90
Sanitary Law Licenses.....	No.	6,032	18,186.00
Babcock Test Licenses.....	No.	4,689	11,722.50
Egg Dealers Licenses.....	No.	8,092	8,092.00
Poultry Dealers Licenses.....	No.	3,659	3,659.00
Scale Tag Licenses.....	No.	1,155	3,465.00
Scale Inspection Fees.....	No.	3,712	11,136.00
Feed Inspection Fee Tags (Tons).....	No.	327,176½	32,717.65
Milk Dealers Licenses.....	No.	6,804	6,804.00
Gasoline Pump Licenses.....	No.	13,150	39,456.00
Hotel Transfer Fees.....	No.	55	55.00
Hotel Licenses.....	No.	1,279	7,481.00
Fair Restaurant Licenses.....	No.	1,214	3,642.00
Restaurant Licenses.....	No.	4,485	13,455.00
Commercial Feed Fees.....	No.	1,930	2,482.90
Feeding Stuffs Analysis Fees.....	No.	167	167.00
Seed Analysis Fees.....	No.	313	156.50
Rendering Plant Licenses.....	No.	85	2,125.00
Cold Storage Licenses.....	No.	28	700.00
Commercial Fertilizer Fees.....	No.	84	1,680.00
Iowa Butter Trade Mark (Stamps).....	No.	2	69.00
Mattress Inspection Fees.....	No.	9	90.00
Agricultural Lime Analysis.....	No.	2	2.00

\$215,159.98

BOTTLING WORKS LIST—1929

Waukon Bottling Works.....	Waukon
Jennings-Christopher Grocery Co.....	Centerville
H. C. Williams, 501 17th St.....	Belle Plaine
Waterloo Bottling Co., 1205 Jefferson St.....	Waterloo
L. M. Tucker, 1442 West 2nd St.....	Waterloo
Coca Cola Bottling Co., 804 Commercial St.....	Waterloo
F. Linderblood & Son, 707 Keeler St.....	Boone
Frank Pitzenberger, 208 W. Bremer Ave.....	Waverly
F. Towleron, 814 3rd Ave. N. E.....	Independence
A. O. Johnson.....	Manson
A. C. Birkey.....	Manson
Rockwell City Bottling Works.....	Rockwell City
Carroll Bottling Co.....	Carroll
Jos. Feldmann.....	Manning
Bernard Roth.....	Anita
C. G. Frehlendorf, 34th & Walnut St.....	Atlantic
Durant Bottling Works.....	Durant
Cherokee Bottling Co., 411 Euclid Ave.....	Cherokee
Nashua Bottling Co.....	Nashua
New Hampton Bottling Works.....	New Hampton
W. D. Stiecker, 202 N. Main St.....	Oseeola
The Crown Bottling Co.....	Spencer
Henry C. Gesko.....	McGregor
Fred Knoke, Elkader Bottling Works.....	Elkader
John A. Wolter.....	Guttenberg
DeWitt Bottling Works.....	DeWitt
Iowa Bottling Co., 522 3rd Ave. So.....	Clinton
The Gold-Bond Products Co.....	Denison
Frank Juergens, 1002 Willis Ave.....	Perry
R. Hopkins Bottling Works.....	Bloomfield
Edw. Hruby.....	Manchester
Burlington Coca-Cola Bottling Co., Inc.....	Burlington
Mathes Co., Inc., 826 Jefferson St.....	Burlington

Percy Tjossen.....	Langdon
Coca Cola Bottling Co.....	Spirit Lake
Cosley Bottling Works, 141 Locust St.....	Dubuque
Huberty Bros., 222 So. Union St.....	Dyersville
C. E. Kleis Co., 55 E. 9th St.....	Dubuque
Coca Cola Bottling Co., Inc., 441 White St.....	Dubuque
Artesian Bottling Works, 2327 Central Ave.....	Dubuque
Lima Rock Springs Co., Sageville Blvd.....	Dubuque
E. M. Munson, 503 5th & Main St.....	Eatherville
N. R. Marsh Bottling Works.....	Oelwein
Oelwein Bottling Works.....	Oelwein
Charles City Bottling Works.....	Charles City
Clarence M. Elder Bottling Works.....	Hampton
C. F. Jefferis, 111 So. Chestnut St.....	Jefferson
Northwestern Bottling Works.....	Iowa Falls
Mrs. Guy Mason.....	Mt. Pleasant
Waite Rush.....	Cresco
Mineral Springs Bottling Co.....	Humboldt
Bellevue Bottling Works.....	Bellevue
Maquoketa Bottling Works.....	Maquoketa
John Lampe.....	Bellevue
Lewis Bottling Co.....	Newton
Colfax Bottling Works.....	Colfax
Fry Bottling Co., Inc.....	Colfax
J. A. Cooper, 102 S. B. St.....	Fairfield
Graf's Bottling Works, 218 N. Linn St.....	Iowa City
L. M. Bancroft.....	Monticello
Anamosa Bottling Works, 311 West Main St.....	Anamosa
Algona Bottling Works.....	Algona
Acme Beverage Co., 1111 Johnston St.....	Keokuk
Coca Cola Bottling Co.....	Keokuk
Stellern Bottling Works.....	Fl. Madison
Cedar Rapids Bottling Works, 118 N. 1st St. W.....	Cedar Rapids
Wm. Tehel Bottling Co., 400-2 6th Ave. E.....	Cedar Rapids
Superior Bottling Co.....	Chariton
M. & M. Star Bottling Co., 524 West High Ave.....	Oskaloosa
Marshalltown Syrup & Sugar Co., 12 So. 8th Ave.....	Marshalltown
Marshalltown Coca Cola Bottling Co.....	Marshalltown
F. E. Fuhs Bottling Works.....	Albia
Diamond Bottling Works.....	Albia
Lee Blue Bottling Co.....	Red Oak
J. B. St. Clair Bottling Works.....	Muscatine
City Bottling Works.....	Muscatine
Fiebig Bros. Bottling Works.....	Sheldon
Tyler Bros., 609 E. Main St.....	Clarinda
R. P. Atkinson Bottling Works.....	Emmetsburg
C. A. Petry, 401 1st St. S. E.....	LeMars
American Bottling Works, 419 E. Grand Ave.....	Des Moines
L. Stoll Bottling Plant, 1317-19 Des Moines St.....	Des Moines
Coca Cola Bottling Co., 1207 W. 24th St.....	Des Moines
Des Moines Bottling Works, 507 3rd St.....	Des Moines
C. Geise Co., 1017 4th St.....	Council Bluffs
John G. Woodward & Co., 211-215 Broadway.....	Council Bluffs
Crystal Beverage Co.....	Mt. Ayr
8ac City Catering Co.....	Sac City
Diamond Bottling Works, 1411 Washington St.....	Davenport
Baker Bottling Works, 710-712 W. 1st St.....	Davenport
Tri-City Bottling Works, 623 W. 2nd St.....	Davenport
Hawarden Bottling Co., Wisconsin St. West.....	Hawarden
Hawarden Bottling Co., 201-205 W. 10th St.....	Hawarden
C. R. Hoff, 105 Kellogg Ave.....	Ames
LuVern Wilkinson.....	Tama

J. G. Dorsey, 119 E. Adams St.	Creston
Lancey Orange Crush Co., 813 West Main St.	Ottumwa
Lancey Bros. Bottling Co., 223 West Main St.	Ottumwa
Fahs Bottling Works, 528 West 2nd St.	Ottumwa
Coca Cola Bottling Co., 637 W. 2nd St.	Ottumwa
Pt. Dodge Bottling Works, Inc.	Pt. Dodge
Adolph Gunderson	Calmar
Decorah Bottling Works	Decorah
Lanes Bottling Works, 712 Market St.	Sioux City
Sioux City Bottling Works, 1210 4th St.	Sioux City
Eagle Grove Bottling Works	Eagle Grove
Twin City Bottling Co.	Cedar Falls
Mason City Bottling Co., 112 8th St. S. E.	Mason City
Arnold J. Muhl, 215 N. E. St.	Oskaloosa
Adolph Larson	Knoxville
Poncele Water Co., 1345 20th St.	Des Moines
Eagle Bottling Works, 4th & Taylor St.	Davenport
Chesterman Co., 305-311 Bluff St.	Sioux City
Nehl Bottling Co., N. Mill St.	Spencer
Iowa City Bottling Works, 525 So. Gilbert St.	Iowa City
A. E. Rhoades, Center St.	Delta
C. R. Coca Cola Bottling Co., 716 5th Ave. E.	Cedar Rapids
L. J. Cross	Akron
Orange Crush Bottling Co., 2607 Dean Ave.	Des Moines
Witt Bottling Works, 302 W. 1st St.	Davenport
Conger & Conger, 909 E. 2nd St.	Washington
Hanford Produce Co.	Sioux City

ICE CREAM FACTORY LIST

T. F. Gebble	Carbon
Centrox Dairy, 1115 So. 16th St.	Centerville
Hutchinson Ice Cream Co.	Centerville
Exira Creamery Co.	Exira
Artificial Ice	Audubon
Hutchinson Ice Cream Co.	Vinton
James Jefferies	Vinton
Hutchinson Ice Cream Co.	Cedar Falls
Hutchinson Ice Cream Co.	Waterloo
J. & H. Dairy Co., 118 W. 3rd St.	Cedar Falls
Peter Mayrells, 226 W. 4th St.	Waterloo
Paras Bros., 122 E. 4th St.	Waterloo
Olympia Candy Co., 401 Main St.	Cedar Falls
Potter Ice Cream Co., 10th and Bluff Sts.	Waterloo
Poulos Bros., 810 Story St.	Boone
Washington Candy Kitchen	Boone
The Peerless Dairy Products Co.	Boone
Hutchinson Ice Cream Co.	Waverly
Burriss & Soener, 218 Main St.	Independence
Wm. De Long	Linn Grove
Sioux Rapids Ice Cream Co.	Sioux Rapids
Mrs. L. A. Kunkel	Lake City
Manning Creamery Company	Manning
Carroll Creamery Co.	Carroll
Ernest Marcuel, 5th and Adams Sts.	Carroll
Mike Tessandori, 101 No. 5th St.	Carroll
Hutchinson Ice Cream Co.	Atlantic
F. K. Baldwin	Tipton
F. Pieruccini	Tipton
Ed Soteris, 123 So. Fed. Ave.	Mason City
F. B. Higley & Co., 409 So. Fed. Ave.	Mason City
Hutchinson Ice Cream Co.	Mason City
Cherokee Creamery Co.	Cherokee

Hutchinson Ice Cream Co.	New Hampton
H. C. Romine	Oseola
Wells Sanitary Dairy	Spencer
Frank's Ice Cream Co., Main St.	Spencer
H. H. Hagensick	Elkader
Downie & Dinan	Elkader
Ed Geraghty	McGregor
Mrs. C. B. Madison	Edgewood
Geo. H. Schmidt	Elkader
Amos Pollastrini, 330 So. 2nd St.	Clinton
Hutchinson Ice Cream Co.	Clinton
Hutchinson Ice Cream Co.	DeWitt
Papakyriakos Bros., 415 So. 2nd St.	Clinton
Papakyriakos Bros., 319 No. 4th St.	Clinton
Rederer & Petersen, 612 2nd St. So.	Clinton
Clinton Ice Cream & Artificial Ice Co.	Clinton
Marcucci Bros., 612 2nd St. So.	Clinton
Jones Bartholomew	Denison
Overton Bros.	Perry
Hutchinson Ice Cream Co., 1703 W. Grand Ave.	Des Moines
Carl D. Blohm	Dexter
England Creamery Co., 106 W. Jefferson	Bloomfield
Hutchinson Ice Cream Co.	Manchester
Chas. Skands	Mediapolis
L. O. Hausknecht, 318 So. Leebrock St.	Burlington
Stadtlander Bros., 835 No. 8th St.	Burlington
Lagomarcino Grupe Co.	Burlington
Hutchinson Ice Cream Co.	Arnolds Park
Oriental Sweet Shop, 823 Main St.	Dubuque
Sanitary Milk Co., 60 E. 7th St.	Dubuque
American Ice Cream Co., 1179 Iowa	Dubuque
Mulgrew Ice Cream Co., 1310 White St.	Dubuque
Hutchinson Ice Cream Co.	Estherville
E. C. Johnston	West Union
Hutchinson Ice Cream Co.	Oelwein
Hutchinson Ice Cream Co.	Charles City
The Jefferson Creamery, 120 So. Cherry St.	Jefferson
C. E. Blaylock, Main St.	Grand Junction
Louis Tronchetti, 102 No. Cherry St.	Jefferson
Hutchinson Ice Cream Co.	Webster City
C. N. Papadakes	Britt
Princess Sweet Shop, 607 Washington Ave.	Iowa Falls
H. Soballe	Eldora
Hutchinson Ice Cream Co.	Iowa Falls
Phyllis McLeod	Iowa Falls
C. F. Becker, 611 Wash. Ave.	Iowa Falls
Angelici & Incross, I. O. F. Bldg.	Logan
Gillette Sanitary Dairy & Creamery	Missouri Valley
Sodin & Bacino	Mt. Pleasant
Puritan Ice Cream Co.	Cresco
M. F. Taylor	Livermore
Humboldt Creamery Co.	Humboldt
B. L. Kell	Williamsburg
Maquoketa Ice & Ice Cream Co.	Maquoketa
J. J. Marouses, 122 Main St.	Maquoketa
C. G. Emanuel	Colfax
De Luxe Sweet Shop	Newton
Gibson & Kirby	Fairfield
Linder Iverson Co.	Fairfield
Hutchinson Ice Cream Co.	Iowa City
J. O. Taylor, 108 So. Dubuque	Iowa City
Sidwell Dairy Co., 15 W. College St.	Iowa City

Hutchinson Ice Cream Co.	Monticello
Hutchinson Ice Cream Co.	Oxford Junction
Anamosa Farmers Creamery Co.	Anamosa
James W. Green	Sigourney
J. F. Behlmer, 101 E. State St.	Algona
Keokuk Ice Cream Co.	Keokuk
Fort Madison Creamery Co.	Fort Madison
Hotel Iowa Pharmacy Co.	Keokuk
Central City Creamery Co.	Central City
Hutchinson Ice Cream Co., 425 So. 3rd St. E.	Cedar Rapids
C. E. Batchelder	Marion
Springville Creamery Co.	Springville
Russell's Velvet Ice Cream, 210 E. Ave. W.	Cedar Rapids
C. E. Hodgkin	Whittier
J. B. Marvin	Cogson
Geo. Fasules	Chariton
Hutchinson Ice Cream Co.	Chariton
J. C. Flatt	Chariton
Hutchinson Ice Cream Co.	Oskaloosa
Maplehurst Dairy Co.	Oskaloosa
Love's Creamery	Oskaloosa
Puritan Drug Co.	Pella
V. R. Woodward	Bussey
N. C. Nielsen, 207 So. 3rd Ave.	Marshalltown
Wachter Confectionery	Marshalltown
Paronti Bros.	Glenwood
Starr Ice Cream & Candy Co.	Osage
Felton & Burlingame	Albia
Hutchinson Ice Cream Co.	Des Moines
Lee Blue Ice Cream & Bottling Co.	Red Oak
Tyler Bros.	Villisca
Pearl City Ice Cream Co.	Muscatine
Hutchinson Ice Cream Co.	West Liberty
Ahlf & Dickman, 210 E. 2nd St.	Muscatine
Gus Napolus	Wilton
Leu & Son, 312 Sycamore	Muscatine
Hartley Creamery Co.	Hartley
Robert K. Peckham	Paulina
Supreme Ice Cream Co.	Shenandoah
Hutchinson Ice Cream Co.	Emmetsburg
Spotts & Post, 14 Central Ave. N. E.	LeMars
Fred H. Wells	LeMars
Geo. Zaun, 3838 10th St.	Des Moines
J. D. Reed, 1910 Clark St.	Des Moines
Furnas Ice Cream Co.	Des Moines
Frandsen Cream Co., 1713 Forest	Des Moines
The Flynn Dairy Co.	Des Moines
Switzer Drug Co.	Runnells
Des Moines Dairy Produce, 508 West 2nd St.	Des Moines
Brook View Dairy, 242 E. 28th St.	Des Moines
Hurd Creamery Co., 12th Ave. and 4th St.	Council Bluffs
Frank L. Neff	Brooklyn
Staffanor & Jorris, 825 4th Ave.	Grinnell
E. R. Pine	Diagonal
Sac City Creamery Co.	Sac City
Tom Mahoney, 215 W. 29th St.	Davenport
Gosselin, Inc., 408 E. Locust	Davenport
Hotel Blackhawk, 3rd and Perry Sts.	Davenport
C. G. Jackson, 1119 Brady	Davenport
Wm. L. Davis, 1107 Mound	Davenport
Ramm Bros. Dairy, 1634 W. Locust	Davenport
Wm. Diaenos, 432 W. 3rd St.	Davenport

Homemade Ice Cream Co., 520 Brady	Davenport
Griffin's Confectionery, 228 W. 3rd St.	Davenport
The Maehr Company, 316 W. 3rd St.	Davenport
Wm. Stockfleth, 1536 W. Locust St.	Davenport
Bolte's Confectionery, 208 W. 3rd St.	Davenport
Harlan Ice & Cream Co.	Harlan
Mullarkey's Puritan Ice Cream	Hawarden
Rock Valley Creamery Co.	Rock Valley
Dairy Department Iowa State College	Ames
Hutchinson Ice Cream Co.	Tama
Tom Bliss	Traer
Pizza C. Mariotti	Bedford
F. G. Buxton Creamery Co.	Ottumwa
Hartman & Gale, 502 E. Williams St.	Ottumwa
C. E. Watts	Washington
Nardy & Sodini	Washington
Cantoni & Cantoni	Washington
Linder-Iverson Co.	Washington
John & Constantine, 901 Central Ave.	Ft. Dodge
Elgin Dairy Company, 315 2nd Ave. So.	Ft. Dodge
Ft. Dodge Creamery Co., 301 1st Ave. No.	Ft. Dodge
Hutchinson Ice Cream Co.	Forest City
Geo. Geannous	Forest City
The Sugar Bowl Ice Cream Co.	Decorah
The Fairmont Creamery Co.	Sioux City
I. C. Eckhart	Correctionville
Hanford Produce Co.	Sioux City
C. J. Wallis, 4012 Morningside Ave.	Sioux City
Hutchinson Ice Cream Co.	Sioux City
Sam Middleton	Clarion
	Eagle Grove

CREAMERY STATISTICS OF IOWA, 1929—Continued

County	Number Creameries Reported	Pounds Milk Received	Pounds Cream Received	Pounds Butter Manufactured	Pounds Sold to Patrons	Pounds Sold in Iowa	Pounds Sold Outside of Iowa	Sweet Cream Sold	Total Value
Hancock	5	97,642	7,574,770	2,061,948	132,135	324,761	2,313,662	3,919	1,153,076.06
Hardin	10	1,303,406	11,719,312	3,742,125	132,175	276,213	3,318,037	162,565	1,663,677.15
Harrison	2	676,000	390,561	166,760	1,650	56,166	108,350		64,218.40
Henry	2	1,208,343	530,953	2,000		241,503	287,450		219,621.60
Howard	4	6,169,291	2,447,094	100,717	133,175	133,175	2,183,241	8,064	1,062,650.29
Humboldt	3		328,407	991,209	64,131	182,136	747,052	36,803	423,803.31
Ida	1	3,498	588,420	284,560		7,300	267,310		10,353.12
Iowa	3	4,180	1,766,348	732,012	29,918	95,330	606,574		311,261.17
Jackson	9	483,620	8,386,379	3,071,133	141,390	320,219	2,567,424	9,360	1,224,488.75
Jasper	2	186,160	2,640	92,262		50,630	41,392	1,436	35,373.88
Jefferson	2	83,300	294,548	77,797	2,947	73,319		4,375	33,643.00
Johnson	2	1,240,900	484,308	6,369	6,369	270,300	209,716		229,034.92
Jones	5	11,042	7,414,191	2,215,349	136,218	90,343	1,979,303	2,769	970,838.44
Keokuk	1		177,672			36,342	151,331		63,062.28
Kossuth	13	1,341,460	8,235,088	2,865,588	215,506	749,795	1,900,695	55,044	1,187,730.91
Lee	4	684,408	18,580,604	9,040,472	797,818	1,048,738	7,267,645	22,927	3,882,809.69
Linn	9	19,651,748	11,617,012	4,381,195	187,159	792,646	3,845,068	267,924	2,015,247.04
Louisia	2		436,614	198,586		8,500	34,031	151,011	83,369.14
Lyon	3	109,804	2,165,732	722,779	44,071	83,929	646,907	100	333,788.33
Madison	1		228,700	115,614	1,138	114,480			48,306.23
Mahaska	5	1,149,331	2,826,630	1,167,082	211,114	325,064	780,795		449,063.56
Marion	2	313,719	1,073,747	758,605	4,035	216,337	541,543	70,785	341,789.33
Marshall	5	1,496,378	7,750,312	2,872,924	132,444	405,375	3,235,105	8,508	1,229,887.17
Mills	2		1,410,000	615,408	3,979	87,073	518,848	7,256	261,241.61
Mitchell	7	39,571	7,536,472	2,359,730	108,025	154,182	2,119,535	21,300	855,021.40
Monona	1		150,715	69,040		7,000	61,940		37,342.71
Montgomery	3	387,070	2,098,122	800,347	1,900	329,093	458,612	3,904	339,521.03
Muscatine	3	403,170	5,844,292	2,192,800	33,970	507,580	1,631,250		940,860.70
Muscatine	3	462,637	4,967,462	1,691,860	118,374	178,814	1,380,634	8,425	735,547.25
Oceola	1	200,000	4,743,403	1,817,589	123,863	96,076	1,507,620		783,073.75
Page	1	513,000	4,728,000	1,760,979	800	114,457	1,646,722		770,613.00
Palo Alto	2	140,333	6,392,904	2,402,828	163,318	1,230,171	1,019,408	4,460	1,034,079.63
Plymouth	2		364,722	161,619	6,560	6,560	129,359		73,050.63
Pocahontas	2		626,328	251,298	10,038	95,455	144,598		103,268.90
Polk	6	31,450,295	19,090,227	7,780,726	50,670	2,092,217	5,729,682	640,562	3,367,126.51
Pottawattamie	2	604,114	4,962,537	2,081,828	38,928	217,437	1,835,445		924,725.56
Poweshiek	2	395,385	2,645,954	1,094,435	24,987	29,692	1,034,590		491,560.27
Racine	1	609,422	1,796,085	796,465	19,814	184,244	271,418		225,674.39
Scott	6	149,310	8,828,104	3,514,478	2,192	641,730	5,866,849		1,369,185.62
Shelby	2	97,532	188,034	78,300	2,139	4,571	60,776		29,141.28
Sioux	8	1,329,922	17,597,188	6,476,544	248,495	407,490	5,677,315	36,442	2,738,771.34
Story	7	1,405,902	6,321,317	2,395,073	196,146	597,091	1,599,858	14,500	1,028,468.14
Story	7	562,544	6,968,091	2,515,615	33,293	274,144	2,495,519		1,257,780.79
Tama	1			430,538	9,949	27,613	373,071		2,031,093.68
Taylor	3			4,899,616	8,657	261,271	4,366,669		380,639.16
Union	2	582,357	11,074,388	897,169	22,651	32,195	843,323	5,891	2,000,643.33
Van Buren	3		10,745,843	4,906,738	61,126	628,125	4,892,297	290,900	2,046,627.27
Wapello	6	1,398,816	391,236	159,430	986	98,056	60,441		236,761.56
Warren	1	17,138	1,322,598	560,429	11,560	142,603	1,246,574		609,644.00
Washington	3		3,285,709	1,385,897	3,702	605,889	285,090	1,145	493,777.80
Wayne	1		2,396,669	931,171		189,643	2,461,291	1,539	1,247,818.84
Webster	2		8,498,617	2,825,463	203,929	333,815	3,966,176	261,397	1,595,225.39
Winneshiek	8	156,358	11,044,835	3,441,089	112,861	1,059,441	30,054,149	22,298	13,559,048.03
Winneshiek	10	337,177	73,743,515	31,103,590	10,000	1,669,441	1,230,218	2,456	787,300.73
Woodbury	7	136,093	8,986,539	1,768,182	122,005	425,162	606,366	390	325,069.16
Worth	9		2,170,323	892,978	42,692	153,440			
Wright	4	53,369							
Total	465	192,406,113	570,892,081	214,561,518	8,837,232	30,099,141	177,214,650	5,444,463	892,549,051.16

CREAMERY LIST, 1929

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. Ryan	Adair
Greenfield Creamery Co.	Greenfield	W. A. Foster	Greenfield	Sam Dotson	Greenfield
Adams County--					
Prescott Creamery	Prescott	C. Lundhigh	Prescott	Chris. Lundhigh	Prescott
Allamakee County--					
Arctic Spring Creamery Ass'n	Quandahl, 10 Mi. S. E. of Spring Grove, Minn.	O. C. Flatberg	Spring Grove, Minn.	Olaf Goodno	Spring Grove, Minn.
Calhoun Creamery Co.	Church	W. G. Marti	Church	Floyd Ferris	Church
Ludlow Co-op. Creamery Co.	Waukon, R. R. 1	O. J. Sanderman	Waukon, R. R. 1	Harry Grovesdahl	Waukon, R. R. 1
New Albin Co-op. Creamery Co.	New Albin	J. E. Welsh	New Albin	Arthur Kruger	New Albin
Postville Farmers Co-op. Creamery Co.	Postville	C. Schultz	Postville	Edgar Riser	Postville
Farmers Co-op. Creamery Co.	Wauville	O. B. Haas	Wauville	Milan Valley	Wauville
Farmers Waukon Creamery Co.	Waukon	Tollef Johnson	Waukon	A. H. Hansmeier	Waukon
Appanoose County--					
Centrox Dairy	Centerville	G. S. Armstrong	Centerville	A. V. Lucas	Centerville
Swift & Co.	Centerville	R. G. Harrop	Centerville	D. K. Williamson	Centerville
Audubon County--					
Audubon Creamery Co.	Audubon	L. W. Barger	Audubon	J. Johansen	Audubon
Audubon Township Cry. Ass'n	Exira	P. W. Sorensen	Exira	P. W. Sorensen	Exira
Crystal Springs Creamery Co.	Kimballton	L. H. Lauritsen	Kimballton	J. I. Petersen	Kimballton
Exira Creamery Co.	Exira	H. K. Jensen	Exira	J. P. Jensen	Exira
Benton County--					
Farmers Creamery	Belle Plaine	Peter Thuesen	Belle Plaine	Russell Brown	Belle Plaine
Model Creamery	Newhall	Wm. Gardemann	Newhall	H. J. Stelling	Newhall
Garrison Co-op. Creamery Ass'n	Garrison	J. A. Ridenour	Garrison	H. Hanson	Garrison
T. M. Sinclair & Co. Creamery	Shellsburg	J. Thomsen	Shellsburg	Albert Gintert	Shellsburg
Black Hawk County--					
Henson Co-op. Creamery Co.	Cedar Falls	P. A. Lund	Cedar Falls	J. F. Lorenzen	Cedar Falls, R. 2
Central Creamery Co.	Waterloo	J. H. Brandes	Waterloo	R. L. Alderson	Waterloo
Crain Creek Creamery	Denver	Wm. Meier	Denver, R. R. 1	Wm. Meier	Denver
Boone County--					
Fosse Produce Co.	La Porte City	Ogden Fosse	La Porte City	William Turner	La Porte City
Hudson Co-op. Dairy Ass'n	Hudson	Henry Lafrenz	Hudson	Wm. McFarland	Hudson
Waterloo Dairy Co.	Waterloo	G. V. Bellinget	Waterloo	H. Jensen	Waterloo
Farmers Co-op. Creamery	Dunkerton	T. R. Fisher	Dunkerton	Thomas Sadler	Dunkerton
Swift & Co.	Waterloo	W. O. Foster	Waterloo	Don Berry	Waterloo
Producers Milk Co.	Waterloo				
Boone County--					
Peerless Dairy Products Co., Inc.	Boone	J. F. Sammin	Boone	V. F. Brunner	Boone
Ogden Creamery	Ogden	Ruth Brenholdt	Ogden	Art Skove	Ogden
Boone Dairy, Inc.	Boone	R. E. Fowler	Boone	Roy Hubrey	Boone
Farmers Union Dairy	Boone	Viola Duncan	Boone	Floyd Skesuck	Boone
Bremser County--					
Artesian Creamery Co.	Waverly	Henry Seegers	Waverly, R. 5	C. J. Meier	Waverly, R. 5
Bremser Creamery Co.	Bremser	Fred Christophel	Waverly, R. 2	C. W. Turner	Waverly
Climax Creamery	Sumner, 6 mi. S. W.	H. Sell	Sumner	J. B. Zbornik	Sumner
Denver Creamery	Denver	W. J. Moehling	Waverly, R. 5	W. J. Sparbeck	Sumner
Excelsior Creamery Co.	Denver	Leo Harvey	Sumner	L. J. Ehiert	Denver
First Maxfield Creamery Co.	Denver	H. C. Griese	Denver	C. F. George	Frederika
Frederika Creamery	Frederika	Leigh Alcock	Tripoli	H. F. Dettmer	Plainfield
Fremont Creamery Co.	Plainfield	J. P. Snelling	Plainfield	Nichols & Bentley	Plainfield
Gilt Edge Creamery Co.	Janeville	Will Dayton	Janeville	B. O. Squires	Janeville
Janeville Creamery Ass'n	Readlyn, 3 mi. S.	B. O. Squires	Readlyn	H. Segebarth	Fairbank
Klinner Co-op. Creamery	Readlyn	Henry Otto	Readlyn, R. 1	W. H. Boovers	Readlyn, R. 1
Knittle Creamery Co.	Readlyn	J. Strottmann	Readlyn, R. 1		
Little Valley Creamery Co.	Sumner, 2 mi. W. 6 mi. S.	Chas. Krueker	Sumner, R.F.D. 4	Faye Carter	Sumner, R.F.D. 4
Potters Siding Creamery Co.	Tripoli	W. H. Barry	Tripoli, R. 1	Albert Kruse	Tripoli
Readlyn Co-op. Creamery Co.	Readlyn	H. A. Griese	Readlyn	H. A. Griese	Readlyn
Seigel Creamery	Tripoli, 6 mi. N. W.	H. F. Bubrow	Waverly, R. 2	Wm. Behrens	Waverly, R. 2
Spring Fountain Creamery Co.	Sumner	Louie Gaede	Sumner	Paul Schroeder	Sumner
Sumner Creamery Co.	Sumner	George Westcott	Sumner	Albert Zierath	Sumner
Tripoli Creamery Co.	Tripoli	B. B. Bennett	Tripoli	H. C. Ladage	Tripoli
Washington Creamery Co.	Waverly	Ernest Lampe	Waverly	Otto Schaefer	Waverly
Western Douglas	Plainfield, 11 mi. N. E.	Wm. Oberken	Waverly, R. 2	Geo. Helme	Waverly, R. 2
Bochanan County--					
H. W. Carmichael Co.	Independence	A. K. Carmichael	Independence	L. W. Ross	Fairbank
Fairbank Farmers Co-op. Creamery	Fairbank	John Tourman	Fairbank	E. J. Primus	Aurora
Farmers Creamery Ass'n	Aurora	K. R. Matheson	Aurora	S. Bergeson	Hazleton
Hazleton Farmers Creamery Co.	Hazleton	C. E. Riede	Hazleton	Comfort & Sogard	Jesop
Jesop Creamery Co.	Jesop	D. E. Rogers	Jesop	Walter Bizer	Lamont
Lamont Creamery Ass'n	Lamont	W. A. Sager	Lamont	Chas. W. Cady	Rowley
Rowley Farmers Co-op. Creamery Co.	Rowley	A. F. Sloan	Independence	R. B. Stewart	Independence
Wapsie Valley Creamery	Independence	C. Nielsen	Winthrop	J. E. Morris	Winthrop
Winthrop Creamery	Winthrop	U. C. Guthrie	Winthrop		

CREAMERY LIST, 1929—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
Buena Vista County—					
The Alta Co-op. Creamery.....c	Alta.....c	E. W. Schaefer.....	Alta.....c	O. W. Albright.....	Alta.....c
Farmers Creamery & Produce Co.....c	Newell.....c	E. P. Kruse.....	Newell.....c	N. C. Olson.....	Newell.....c
Storm Lake Produce Co.....c	Storm Lake.....c	L. W. McCreery.....	Storm Lake.....c	A. O. Becker.....	Storm Lake.....c
Diamond Creamery Co.....c	Storm Lake.....c	L. C. Sutherland.....	Storm Lake.....c	E. W. Brander.....	Storm Lake.....c
Albert City Co-op. Creamery Ass'n.....c	Albert City.....c	N. M. Pearson.....	Albert City.....c	N. M. Pearson.....	Albert City.....c
Butler County—					
Aplington Creamery.....c	Aplington.....c	J. B. Morek.....	Aplington.....c	J. B. Morek.....	Aplington.....c
Clarksville Creamery.....c	Clarksville.....c	H. W. Stine.....	Clarksville.....c	M. A. Jones.....	Clarksville.....c
Parkersburg Community Creamery Co.....c	Parkersburg.....c	C. G. Nelson.....	Parkersburg.....c	C. G. Nelson.....	Parkersburg.....c
Farmers Creamery.....c	Dumont.....c	V. C. Early.....	Dumont.....c	.....	Dumont.....c
Farmers Co-op. Creamery Co.....c	Allison.....c	Wm. Allan.....	.....	E. E. Brooks.....	Allison.....c
Farmers Co-op. Creamery Ass'n.....c	Greene.....c	A. McLaughlin.....	Greene.....c	A. McLaughlin.....	Greene.....c
Shell Rock Creamery Ass'n.....c	Shell Rock.....c	S. P. Adair.....	Shell Rock.....c	E. A. Cole.....	Shell Rock.....c
White Rose Creamery.....c	Austinville.....c	S. L. Patterson.....	Austinville.....c	M. Anderson.....	Austinville.....c
Kesley Co-op. Creamery Co.....c	Kesley.....c	Bemko Johnson.....	Austinville.....c	Fred Carhus.....	Kesley.....c
Farmers Mutual Co-op. Creamery Co.....c	New Hartford.....c	E. F. Perrin.....	New Hartford.....c	A. F. Blair.....	New Hartford.....c
Calhoun County—					
Baird Creamery & Produce Co.....c	Lohrville.....c	Hugh Baird.....	Lohrville.....c	J. J. Stamen.....	Lohrville.....c
Bork Creamery Co.....c	Manson.....c	J. J. Bork.....	Manson.....c	A. C. Matthews.....	Manson.....c
Cedar Creek Creamery Co.....c	Somers.....c	S. P. Petersen.....	Somers.....c	John Douse.....	Somers.....c
Pomeroy Creamery Co.....c	Pomeroy.....c	B. F. Schultz.....	Sac City.....c	Geo. Froom.....	Pomeroy.....c
Carroll County—					
Carroll Creamery Co.....c	Carroll.....c	C. C. Roberts.....	Carroll.....c	H. J. Waisner.....	Carroll.....c
Dedham Creamery.....c	Dedham.....c	H. Lauridsen.....	Dedham.....c	W. Swott.....	Dedham.....c
Ireda Creamery Co.....c	Breda.....c	H. F. Lange.....	Sac City.....c	Alva Jennett.....	Breda.....c
Harbour Creamery.....c	Harbour.....c	M. J. Wagner.....	Harbour.....c	M. J. Wagner.....	Harbour.....c
Glidden Co-op. Creamery Ass'n.....c	Glidden.....c	Jas. Parker.....	Glidden.....c	Matt Junker.....	Glidden.....c
Armour Creamery.....c	Coon Rapids.....c	Armour & Co., Inc.....	Chicago, Ill.....c	Wm. Ruzgaard.....	Coon Rapids.....c
Manning Creamery Co.....c	Manning.....c	J. A. Bruck.....	Manning.....c	Sam Gleim.....	Manning.....c
Rose Valley Creamery.....c	Roseville.....c	M. Friedman.....	Carroll, R. 4.....c	M. Friedman.....	Carroll, R. 4.....c
Cass County—					
Central Iowa Poultry & Egg Co.....cen	Atlantic.....c	C. I. P. & E. Co.....	New York City.....c	M. Mikkelsen.....	Atlantic.....c
Swift & Co.....cen	Atlantic.....c	C. A. Peacock.....	Chicago, Ill.....c	F. E. Kelley.....	Atlantic.....c
Cedar County—					
Durant Farmers Creamery Ass'n.....c	Durant.....c	A. R. Lamp.....	Durant.....c	H. G. Davis.....	Durant.....c
Golden Star Creamery Ass'n.....c	Bennett.....c	W. H. Kroeger.....	Bennett.....c	Henry Schmidt.....	Bennett.....c
Sidwell Dairy Co., Inc.....c	West Branch.....c	A. B. Sidwell.....	Iowa City.....c	Earl Hunter.....	West Branch.....c
Tipton Creamery.....c	Tipton.....c	A. B. Salsbury.....	Tipton.....c	A. B. Salsbury.....	Tipton.....c
Dayton Creamery Co.....c	Clarence.....c	J. B. Baman.....	Clarence.....c	Henry Struck.....	Clarence.....c
Lowden Farmers Mut. Co-op. Cr'y. Ass'n.....c	Lowden.....c	M. Pauls.....	Lowden.....c	Wm. L. Sloan.....	Lowden.....c
Massillon Co-op. Creamery.....c	Massillon.....c	P. H. Schneider.....	Massillon.....c	L. Fetteknecht.....	Massillon.....c
Cerro Gordo County—					
Dougherty Co-op. Creamery Co.....c	Dougherty.....c	May Lalor.....	Dougherty.....c	O. A. Jensen.....	Dougherty.....c
Farmers Mutual Co-op. Creamery.....c	Clear Lake.....c	W. F. Paul.....	Clear Lake.....c	V. J. Rule.....	Clear Lake.....c
Plymouth Co-op. Creamery.....c	Plymouth.....c	J. L. Stevens.....	Plymouth.....c	M. J. Mikkelsen.....	Plymouth.....c
Rockwell Co-op. Creamery Co.....c	Rockwell.....c	F. C. Siegfried.....	Rockwell.....c	Victor Anderson.....	Rockwell.....c
Swaledale Creamery.....c	Swaledale.....c	Henry Donner.....	Swaledale.....c	Henry Donner.....	Swaledale.....c
Thornton Creamery Co.....c	Thornton.....c	Peter Reisdahl.....	Thornton.....c	Peter Reisdahl.....	Thornton.....c
Ventura Creamery Co.....c	Ventura.....c	H. E. Ollenburg.....	Garner.....c	M. W. Dammen.....	Ventura.....c
Ventura Farmers Creamery Co.....c	Mason City.....c	Glen Swartz.....	Mason City.....c	Glen Swartz.....	Mason City.....c
Farm Products Co.....cen	Mason City.....c	A. M. Feist.....	Mason City.....c	F. Mortenson.....	Mason City.....c
Swift & Co.....cen	Mason City.....c	G. Leffingwell.....	Mason City.....c	O. Anderson.....	Mason City.....c
Sanitary Dairy Co.....c	Mason City.....c	.....	.....	.....	.....
Cherokee County—					
Cherokee Creamery Co.....c	Cherokee.....c	C. J. Goeb.....	Cherokee.....c	Harry Cosgrove.....	Cherokee.....c
Chickasaw County—					
Alta Vista Farmers Creamery Co.....c	Alta Vista.....c	C. A. White.....	Alta Vista.....c	T. F. Shipton.....	Alta Vista.....c
Farmers Coop. Creamery Ass'n.....c	Nashua.....c	Max Wayne.....	Nashua.....c	M. H. Bullis.....	Nashua.....c
Fredericksburg Butter Factory.....c	Fredericksburg.....c	J. D. Treplett.....	Fredericksburg.....c	R. D. Sweet.....	Fredericksburg.....c
Ionia Farmers Creamery Ass'n.....c	Ionia.....c	F. B. Moody.....	Ionia.....c	Joe Herzog.....	New Hampton.....c
Farmers Mutual Co-op. Ass'n.....c	Lawler.....c	Earl Cochran.....	New Hampton.....c	Alfred Robinson.....	Lawler.....c
Lawler Creamery Ass'n.....c	Lawler.....c	R. E. Nulty.....	Lawler.....c	J. Jacobson.....	New Hampton.....c
New Hampton Creamery.....c	New Hampton.....c	Wescott & Winks.....	Sumner.....c	Edward Peter.....	Lawler, R. 2.....c
Saunder Farmers Mutual Creamery Ass'n.....c	Saunder.....c	H. Ellingson.....	Lawler, R. 2.....c	Aug. Bremer.....	New Hampton.....c
Williamstown Creamery Ass'n.....c	Williamstown.....c	C. M. Burmaster.....	Fredericksburg.....c	.....	.....
Clarke County—					
Golden Valley Creamery.....cen	Osceola.....c	B. H. Burns.....	Osceola.....c	A. F. Barclay.....	Osceola.....c
Clay County—					
Farmers Creamery Co.....c	Dickens.....c	T. H. Holmes.....	Dickens.....c	T. H. Holmes.....	Dickens.....c
Fostoria Co-op. Creamery Ass'n.....c	Fostoria.....c	E. O. Bollman.....	Fostoria.....c	E. O. Bollman.....	Fostoria.....c
Northwest Ice Cream Co.....c	Spencer.....c	Clemons & Shaffer.....	Spencer.....c	Keith Enerich.....	Spencer.....c
Clayton County—					
Farmers Co-op. Creamery Co.....c	Elkader.....c	R. C. Lemks.....	Elkader.....c	O. Bailey.....	Elkader.....c
Farmersburg & St. Olaf Co-op. Cr'y. Ass'n.....c	St. Olaf.....c	O. Thorson.....	St. Olaf.....c	C. C. Bomberger.....	St. Olaf.....c
Farmers Co-op. Creamery Co.....c	Edgewood.....c	Ralph Rizer.....	Edgewood.....c	B. C. Wilson.....	Edgewood.....c
Farmers Co-op. Creamery Co.....c	McGregor.....c	J. C. Heilman.....	McGregor.....c	D. H. Clymer.....	McGregor.....c

CREAMERY LIST, 1929—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
Farmers Creamery Co.	Osterdock	John White	Garber	F. J. Havens	Osterdock
Garber Farmers Co-op. Creamery	Garber	Jas. McLane	Guttenberg	W. C. Johnson	Garber
Garnaville Creamery Co.	Garnaville	A. J. Kregel	Garnaville	F. W. Hessel	Garnaville
F. H. Hatch Co.	Edgewood	F. H. Hatch	Edgewood	W. I. Dilger	Edgewood
Littleport Farmers Co-op. Cry. Co.	Littleport	G. C. Ruegnitz	Elkport	Geo. Ryerson	Littleport
Luana Farmers Co-op. Creamery Co.	Luana	E. Nelson	Luana	B. A. Gubevig	Luana
Milville Creamery Co.	Milville	H. G. Friedlein	Turkey River	H. D. Ash	Turkey River
Star Creamery Co.	No. Buena Vista	Arnold Klase	No. Buena Vista	Louis Wills	No. Buena Vista
Strawberry Point Farmers Cry. Ass'n	Strawberry Point	J. P. Dinsmore	Strawberry Point	Otto Weger	Strawberry Pt.
Union Farmers Co-op. Creamery Co.	Monona	John Sabbahn	Monona	P. A. Jordahl	Monona
Volga Farmers Co-op. Creamery Ass'n	Volga City	A. L. Moats	Volga	F. P. Gerandi	Volga
Volga Valley Creamery Co.	Mederville	F. E. Dittmer	Strawberry Point	G. N. Olinger	Mederville
White Lilly Creamery	Guttenberg	J. D. Rybarczyk	Guttenberg	B. H. Minger	Guttenberg
Clinton County—					
Clinton County Central Cry.	De Witt	O. C. Capper	De Witt	O. C. Capper	De Witt
Farmers Co-op. Creamery Co.	Toronto	S. A. Turner	Toronto	W. Fitzsimmons	Toronto
Farmers Co-op. Creamery Co.	Wheatland	W. A. Templeton	Wheatland	O. R. Ball	Wheatland
Swift & Co. Produce Dept.	Clinton	F. H. Johnson	Clinton	D. W. Cox	Clinton
Welton Creamery	Welton	W. B. Berst	Welton	C. B. Berst	Welton
Oak Grove Dairy	Clinton	R. L. Gideoussen	Clinton	S. Hansen	Clinton
Sanitary Butter Co.	Clinton	Elmer Primoth	Clinton	K. Hansen	Clinton
Clinton Pure Butter Co.	Clinton	M. Nielsen	Clinton	Lee Cressy	Clinton
Charlotte Creamery	Charlotte	Wesley Smith	Charlotte	Wesley Smith	Charlotte
Crawford County—					
Armour Creameries	Denison	R. R. Hayes	Denison	S. F. Richards	Denison
Dallas County—					
Dexter Creamery Co.	Dexter	W. L. McMenamin	Dexter	Ward Paulsen	Dexter
Perry Milk Products Co.	Dexter	M. P. Byner	Perry	Chas. Meacham	Perry
Louis Pohl	Dexter	Louis Pohl	Dexter	Louis Pohl	Dexter
Davis County—					
England Creamery Co.	Bloomfield	H. B. England	Bloomfield	W. H. England	Bloomfield
Decatur County—					
The Lamoni Co-op. Creamery Ass'n	Lamoni	N. Roy Carmichael	Lamoni	J. F. Vandamser	Lamoni
Delaware County—					
Colesburg Creamery Co.	Colesburg	Jacob Brown	Colesburg	A. C. Honn	Colesburg
Farmers Co-op. Creamery Co.	Greely	W. S. Bissell	Manchester	C. N. Bachler	Greely
Farmers Creamery Co.	Ryan	C. F. Wegler	Ryan	Alex Grafham	Ryan
Farmers Mutual Creamery Ass'n	Hopkinton	H. Chaplin	Hopkinton	John L. Bateholder	Sand Springs
Hopkinton Co-op. Creamery Co.	Sand Springs	H. M. Reeve	Hopkinton	C. W. House	Hopkinton
Manchester Co-op. Creamery Ass'n	Hopkinton	G. I. McGee	Manchester	H. R. Cox	Manchester
Masonville Creamery	Manchester	C. Nielsen	Independence	C. Horan	Masonville
Petersburg Farmers Co-op. Creamery	Masonville	C. Nielsen	Dyersville, R. 2	E. F. Winkler	Dyersville, R. 1
Petersburg Creamery Co.	Petersburg	F. J. Osterhaus	Delhi	D. O. Rokbridge	Delhi
Silver Spring Creamery Co.	Delhi	A. E. Clark	Delhi	Tom D. May	Thorp
Thorp Creamery	Thorp	Tom D. May	Manchester	Tom D. May	Manchester
Mayflower Dairy	Manchester	Tom D. May	Manchester	Tom D. May	Manchester
Des Moines County—					
Burlington Sanitary Milk Co.	Burlington	A. D. Reppert	Burlington	C. A. Thompson	Burlington
Farmers' Store (Burlington)	Burlington	Edgar Wiener	Burlington	Edgar Wiener	Burlington
Burlington Creamery Co.	Burlington	Nelson & Rice	Peoria, Ill.	S. W. Hepburn	Peoria, Ill.
Mediapolis Butter & Ice Cream Co.	Mediapolis	Chas. Skands	Mediapolis	Roy Yoder	Mediapolis
Gustafson Bros.	Burlington	B. V. Gustafson	Burlington	Paul Gustafson	Burlington
Dickinson County—					
Lake Park Co-op. Creamery Ass'n	Lake Park	A. G. Kruger	Lake Park	A. G. Kruger	Lake Park
Milford Farmers Butter & Cheese Ass'n	Milford	F. W. Born	Milford	Fred W. Born	Milford
Spirit Lake Produce Co.	Spirit Lake	W. E. Priebe, Jr.	Chicago, Ill.	A. Stahl	Spirit Lake
Dubuque County—					
Balltown Farmers Co-op. Creamery Co.	Balltown	L. J. Sigworth	Waupeton	Al. Barker	Waupeton
Cascade Creamery Co.	Cascade	F. X. Sausser	Cascade	C. A. Miller	Cascade
Farmers Golden Star Creamery Co.	Dyersville	Ralph Burkie	Dyersville	R. V. Blaine	Dyersville
Five Point Mutual Creamery Co.	Durango	Frank Fischer	Durango	F. E. McLean	New Vienna
Globe Creamery Co.	Luxemburg	H. Rausch, Sr.	Turkey River	Geo. Hanser	Epworth
Hawkeye Farmers Creamery Co.	Epworth	S. G. Streif	Epworth	H. E. Rooten	Farley
Hickory Valley Creamery Co.	Dyersville	J. A. Ries	New Vienna	T. E. Landis	Farley
Farmers Creamery Co. of Farley	Farley	R. J. Kennedy	Farley	Otto Metzner	Zwingle
Zwingle Co-op. Creamery Ass'n	Zwingle	Geo. Thelsen	Graf	G. Stuessl	No. Buena Vista
Holy Cross Creamery Co.	Holy Cross	A. Fluctsch	Dubuque	H. E. Williamson	New Vienna
Iowa Dairy Co.	New Vienna	H. F. Smith	New Vienna	M. O. Buraker	Dubuque
New Vienna Central Creamery Co.	Dubuque	E. Vyverberg	Dubuque	Emil Denotshch	Spechts Ferry
Sanitary Milk Co.	Sherrill	Henry Franz	Chicago, Ill.	Wm. Broesel	Dubuque
Sherrill Creamery Co.	Dubuque	C. A. Peacock	Chicago, Ill.	Jess Jordan	Dubuque
Swift & Co.	Worthington	J. M. Kohn	Worthington	G. F. Broers	Worthington
Worthington Farmers Co-op. Cry. Co.	Worthington	J. M. Kohn	Worthington	G. F. Broers	Worthington
Emmet County—					
Farmers Creamery Co.	Wallingford	O. O. Refsell	Wallingford	Wm. Helgason	Wallingford
Ringsted Co-op. Creamery Co.	Ringsted	S. C. Holen	Ringsted	J. C. Jensen	Ringsted
Farmers Creamery Co.	Dolliver	D. P. Stow	Dolliver	E. C. Rasmussen	Dolliver
Estherville Co-op. Creamery Ass'n	Estherville	Elmer Rogers	Estherville	E. E. Kelley	Estherville

CREAMERY LIST, 1929—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
Fayette County—					
Alpha Farmers Creamery Co.	Alpha	W. J. Niewachner	Alpha	P. J. Lusson	Alpha
Center Valley Creamery Ass'n	Sumner	F. M. Messerer	Sumner	R. J. Allenstien	Sumner
Clermont Valley Creamery Co.	Clermont	J. W. Miller	Clermont	T. H. Hangartner	Clermont
Elgin Farmers' Dairy Co.	Elgin	M. Luchsinger	Elgin	F. L. Sires	Elgin
Farmers Creamery Co.	Arlington	F. W. Bates	Arlington	Walter Waskow	Arlington
Farmers Co-op. Creamery	St. Lucas	G. H. Hackman	St. Lucas	A. E. Mitchell	St. Lucas
Fayette Mutual Creamery Ass'n	Fayette	J. H. Morf	Fayette	Chas. Pinch	Fayette
German Creamery Co.	Westgate	H. T. Meyer	Maynard	J. H. Schroeder	Westgate
Harlan Farmers Mutual Co-op. Cry.	Maynard	C. H. Paul	Maynard	G. C. Mittelsadt	Maynard
Hawkeye Creamery Co.	Hawkeye	H. F. Hauth	Hawkeye	Frank Bowdish	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	Alfred Morf	Sumner	N. B. Tibbets	Sumner
Riverside Mutual Creamery Ass'n	Wadena	W. F. Moore	Wadena	J. J. O'Hara	Wadena
Waucoma Farmers Creamery Ass'n	Waucoma	H. E. Marron	Waucoma	J. J. Boland	Waucoma
Westgate Creamery Co.	Westgate	T. F. Meyer	Westgate	C. H. Caswell	Westgate
West Union Farmers Creamery Co.	West Union	M. A. Hutchinson	West Union	Floyd Neizer	West Union
Randalla Mutual Creamery Ass'n	Randalla	J. R. Shaler	Randalla	W. A. Rizer	Randalla
Floyd County—					
Charles City Creamery Co., Inc.	Charles City	H. C. Hansen	Charles City	Chas. Zierath	Charles City
Niles Creamery Co.	Colwell	Frank Brunner	Colwell	C. J. Christensen	Colwell
Nora Springs Creamery Co.	Nora Springs	E. J. Collin	Nora Springs	E. J. Collin	Nora Springs
Rockford Co-op. Dairy Ass'n	Rockford	P. J. Goetzing	Rockford	Jos. Westholder	Rockford
Franklin County—					
Popejoy Creamery	Popejoy	E. M. Guiney	Popejoy	E. M. Guiney	Popejoy
Farmers Creamery Co.	Alexander	W. F. Dunn	Alexander	W. H. Tinkey	Alexander
Hamilton Co-op. Creamery Co.	Coulter	Geo. Dohrmann	Hampton	Chester Hansen	Coulter
Latimer Co-op. Creamery Co.	Latimer	A. P. Johansen	Hampton	F. M. Kidd	Latimer
Sheffield Community Creamery Co.	Sheffield	Fred Cockran	Sheffield	H. J. Ringer	Sheffield
Hansell Creamery Ass'n	Hansell	Jack Straw	Hansell	Cecll Oswood	Hansell
E. H. Bryan	Hampton	E. H. Bryan	Hampton	Wayne Hunter	Hampton
Farmers Creamery Co.	Dows	H. J. Iverson	Dows	A. O. Larson	Dows
Greene County—					
Churdan Creamery Co.	Churdan	J. V. Randleman	Churdan	J. V. Randleman	Churdan
Jefferson Creamery	Jefferson	M. G. Brunner	Jefferson	Harry Young	Jefferson
Grundy County—					
Reinbeck Farmers Creamery, Inc.	Reinbeck	Wm. Matter	Reinbeck	Wm. Matter	Reinbeck
Beaver Center Creamery Co.	Stout	A. J. Meyer	Stout	T. E. Digger	Stout
Buck Grove Creamery	Aplington	Ralph Slicht	Aplington	Jack Perry	Aplington
Dike Creamery Co.	Dike	Anderson Bros.	Dike	P. Anderson	Dike
Fern Creamery Co.	Parkersburg	W. H. Henning	Parkersburg	B. T. Soles	Stout
Grundy Co-op. Creamery Ass'n	Grundy Center	W. R. Finlayson	Grundy Center	H. C. Hardinger	Grundy Center
Wellsburg Creamery	Wellsburg	H. G. Kramer	Wellsburg	Geo. Carhus	Wellsburg
Guthrie County—					
Casey Creamery Co.	Casey	Joe F. Oddy	Casey	E. J. Rott	Casey
Farmers Creamery & Produce Co.	Guthrie Center	C. A. Nelson	Guthrie Center	M. W. Bixby	Guthrie Center
Swift & Co.	Guthrie Center	C. A. Peacock	Chicago, Ill.	Lee Hite	Guthrie Center
Stuart Creamery Co.	Stuart	H. E. Wise	Stuart	C. T. Wambold	Stuart
Hamilton County—					
Randall Farmers Creamery Co.	Randall	Oscar Soreld	Randall	L. E. Nelson	Randall
Ellsworth Co-op. Creamery Ass'n	Ellsworth	Chris Sorenson	Ellsworth	Chris Sorenson	Ellsworth
Webster City Creamery Co.	Webster City	H. E. Forrester	Webster City	C. L. Forrester	Webster City
Williams Creamery	Williams	P. W. Petersen	Williams	E. S. Utben	Williams
R. R. Bullock	Webster City	H. R. Bullock	Webster City	R. R. Bullock	Webster City
Hancock County—					
Britt Creamery Ass'n	Britt	F. P. Healy	Britt	G. G. Kolthoff	Britt
Crystal Creamery Co.	Crystal Lake	C. C. Powers	Crystal Lake	C. M. Pederson	Crystal Lake
Farmers Co-op. Creamery Co.	Garner	H. H. 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	Peter Josten	Klemme	A. D. Gliner	Klemme
Woden Farmers Creamery Co.	Woden	T. Frederickson	Woden	Geo. Breen	Woden
Hardin County—					
Alden Co-op. Creamery Co.	Alden	W. C. Granzow	Alden	Farnest Smith	Alden
Cleves Creamery Co.	Cleves	G. W. Smith	Cleves	O. W. Smith	Cleves
Concord Co-op. Creamery Co.	Garden City	E. P. Tysdahl	Hubbard	A. M. Whitney	Garden City
Eldora Creamery	Eldora	H. Soballe	Eldora	Asa Nelson	Eldora
Hadley Mfg. Butter & Ice Cream	Hubbard	R. R. Hadley	Ackley	G. T. Armstrong	Ackley
Hubbard Creamery Co.	Hubbard	H. A. Hoelscher	Hubbard	K. Nelson	Hubbard
Iowa Falls Co-op. Creamery	Iowa Falls	J. R. Santee	Iowa Falls	J. B. Jones	Iowa Falls
Swift & Co.	Iowa Falls	J. B. Smith	Iowa Falls	L. R. Rolison	Iowa Falls
Farmers Co-op. Creamery	Eldora	W. T. Emmert	Eldora	F. W. Nelson	Eldora
Steamboat Rock Creamery	Steamboat Rock	John J. Eilers	Steamboat Rock	John Eilers	Steamboat Rock
Harrison County—					
Dunlap Creamery Co.	Dunlap	Fred Major	Dunlap	Fred Major	Dunlap
Gillette Sanitary Dairy & Creamery	Missouri Valley	W. E. Gillette	Missouri Valley	Steve Hobson	Missouri Valley

CREAMERY LIST, 1929—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
Henry County—					
Fankhauser Dairy Co.	Mt. Pleasant	A. W. Fankhauser	Mt. Pleasant	C. R. Fankbouser	Mt. Pleasant
New London Co-op. Creamery Ass'n	New London	F. B. Mills	New London	F. B. Mills	New London
Howard County—					
Cresco Creamery Co.	Cresco	W. H. Eischeid	Cresco	W. H. Eischeid	Cresco
Elma Co-op. Creamery Co.	Elma	M. H. Mealy	Elma	A. Berckes	Elma
Farmers Creamery Ass'n	Chester	J. M. Hughes	Chester	A. C. Plummer	Chester
Farmers Co-op. Creamery	Protivin	Joe Kovarik	Protovin	C. W. Chyle	Protivin
Farmers Creamery Co.	Cresco	B. McAllister	Cresco	C. W. Nast	Cresco
Maple Leaf Creamery Co.	Maple Leaf	Frieda G. Lunck	Elma, R. 1	N. W. Graf	Elma, R. 1
Saratoga Creamery Co.	Saratoga	Hans Larson	Saratoga	Hans Larson	Saratoga
Wheelan Produce Co.	Elma	J. P. Wheelan	Elma	W. R. Sweet	Elma
Humboldt County—					
Bode Creamery & Produce Co.	Bode	D. H. Grefstad	Bode	L. H. Beach	Bode
Ottosen Co-op. Creamery Ass'n	Ottosen	Leonard Holden	Ottosen	E. Forrester	Ottosen
Humboldt Co-op. Creamery Ass'n	Humboldt	A. P. Andersen	Humboldt	A. P. Anderson	Humboldt
Ida County—					
A. & P. Tea Co. Creamery	Ida Grove	Roy Palmer	Ida Grove	Don Schultz	Ida Grove
Iowa County—					
Iowa Valley Creamery Co.	Marengo	Eugene Pelzer	Marengo	Eugene Pelzer	Marengo
Victor Creamery	Victor	H. F. Lenocker	Victor	H. F. Lenocker	Victor
York Co-op. Creamery Ass'n	Williamsburg	Carl Holden	Williamsburg, R. 1	A. Polkowsky	Williamsburg
Jackson County—					
Andrew Co-op. Creamery Co.	Andrew	J. H. Mohlenhoff	Andrew	C. O. Von Rhein	Andrew
Bellevue Co-op. Creamery Co.	Bellevue	Joe Dempewolf	Bellevue	O. H. Christenson	Bellevue
Farmers Union Co-op. Creamery Co.	Maquoketa	H. A. Werden	Maquoketa, R. 1	J. W. Fross	Maquoketa, R. 1
Kirchhoff Ice Cream Co.	Maquoketa	Ed. Kirchhoff	Maquoketa	Paul Pockels	Maquoketa
Preston Creamery Ass'n	Preston	Max Ehler	Preston	Vern Silas	Preston
St. Donatus Creamery Co.	St. Donatus	J. L. Hensley	St. Donatus	G. P. Byrne	St. Donatus
Sterling Creamery	Lamotte	Hoffman Cry. Co.	Lamotte	J. M. Hoffman	La Motte
Spragueville Co-op. Creamery Ass'n	Spragueville	E. V. Driscoll	Spragueville	Lyle E. Miller	Spragueville
Rhode Creamery Co.	Maquoketa	C. J. Rohde	Maquoketa	Hilde & Son	Maquoketa
Jasper County—					
Dairyland Dairy Co.	Newton	G. M. Lambert	Newton	Chas. Chew	Newton
Colfax Dairy	Colfax	E. S. Calhoun	Colfax	E. R. Calhoun	Colfax
Jefferson County—					
Linder-Iverson Co.	Fairfield	R. O. Linder	Fairfield	Guy Hartson	Fairfield
Gibson & Kirby	Fairfield	J. E. Gibson and O. E. Kirby	Fairfield	E. E. Anderson	Fairfield
Johnson County—					
Iowa City Creamery Co.	Iowa City	Wm. Ruppert, Jr.	Iowa City	A. A. Anderson	Iowa City
Globe Creamery Co.	Iowa City	A. J. Barth	Iowa City	Guy Smith	Iowa City
Jones County—					
Amber Mutual Creamery Co.	Amber	P. B. Daly	Amber	H. C. Kofoed	Amber
Anamosa Farmers Creamery Co.	Anamosa	D. M. Strawman	Anamosa	G. W. Simes	Anamosa
Farmers Creamery Co.	Center Junction	W. K. Moats	Center Jet.	H. B. Gray	Center Jet.
Farmers Mutual Creamery	Langworthy	George Poppe	Langworthy	A. Henshot	Langworthy
Farmers Mutual Creamery Co.	Monticello	O. W. Brazelton	Monticello	L. D. Morey	Monticello
Kookuk County—					
A. Wisby	Sigourney	A. Wisby	Sigourney	A. Wisby	Sigourney
Kossuth County—					
Alcona Co-op. Creamery Co.	Alcona	M. P. Christiansen	Alcona	M. P. Christiansen	Alcona
Bancroft Co-op. Creamery Co.	Bancroft	Joseph Vaske	Bancroft	H. E. Thies	Bancroft
Burt Co-op. Creamery Co.	Burt	M. E. Warner	Burt	Paul Macatley	Burt
Farmers Co-op. Creamery Co.	Hobarton	A. R. Croikshank	Alcona	V. Helner	Alcona
Ledyard Co-op. Creamery Ass'n	Ledyard	J. T. Heaney	Fenton	L. C. Strand	Ledyard
Fenton Creamery Co.	Fenton	F. C. Bailey	Fenton	Fred Kucker	Fenton
Germania Creamery Co.	Lakota	J. E. Smith	Lakota	Niek Behrends	Lakota
Lone Rock Farmers Cry. Co.	Lone Rock	Bancroft & Bourne	Lone Rock	Watson Shick	Lone Rock
Lotts Creek Co-op. Creamery Co.	Lone Rock	G. Wehtendahl	Lone Rock	Harold Smith	Lone Rock
Swea City Co-op. Creamery Co.	Swea City	L. C. Knutsen	Swea City	L. C. Knutsen	Swea City
Titonka Co-op. Creamery Co.	Titonka	E. P. Hansen	Titonka	John Knutsen	Titonka
Whittemore Farmers Creamery Co.	Whittemore	M. W. Fandel	Whittemore	G. J. Kloock	Whittemore
Wesley Farmers Creamery Co.	Wesley	V. Kuhlholm	Wesley	V. Kuhlholm	Wesley
Lee County—					
Swift & Co.	Keokuk	C. A. Peacock	Chicago, Ill.	Jos. A. Scheesehel	Keokuk
Whitehouse Creamery Co.	Keokuk	Wysie Peterson	Keokuk	Melvin Capper	Keokuk
Ft. Madison Creamery Co.	Ft. Madison	J. E. Peter	Ft. Madison	Clute & Wentz	Ft. Madison
Favorite Dairy	Ft. Madison	Joe Menke	Ft. Madison	Everett Marsh	Ft. Madison
Linn County—					
Blue Valley Creamery Co.	Cedar Rapids	R. H. Vansant	Chicago, Ill.	J. W. Lentz	Cedar Rapids
Lundine Creamery & Dairy Co.	Central City	H. G. Lundine	Central City	H. A. Lundine	Central City
Coggon Creamery	Coggon	M. L. Ware	Coggon	Paul Wright	Coggon
Marion Creamery	Marion	C. E. Batchelder	Marion	Lee Dunlap	Marion

CREAMERY LIST, 1929—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
Lisbon Co-op. Creamery.....e	Lisbon.....	G. K. Frink.....	Lisbon.....	L. C. Capper.....	Lisbon.....
Springville Creamery Co.....e	Springville.....	E. H. Levsen.....	Springville.....	Harry Erickson.....	Springville.....
Waple Valley Creamery.....e	Cedar Rapids.....	Frank Orr.....	Cedar Rapids, Bx. 57.....	James Roland.....	Cedar Rpd. Bx. 57.....
Walker Farmers Creamery.....e	Walker.....	Keith Vawter.....	Walker.....	Cecil Cuhn.....	Walker.....
Cedar Rapids Co-op. Dairy Co.....e	Cedar Rapids.....	H. G. Smyth.....	Cedar Rapids.....	C. J. Hauskins.....	Cedar Rapids.....
Louis County—					
Colombus Creamery.....j	Columbus Junction.....	R. C. Utter.....	Columbus Jet.....	Lester Ohlsen.....	Columbus Jet.....
Morning Sun Co-op. Creamery.....e	Morning Sun.....				
Lyon County—					
Inwood Creamery.....j	Inwood.....	A. Yonker.....	Inwood.....	A. Yonker.....	Inwood.....
Farmers Co-op. Creamery.....e	George.....	J. S. Janssen.....	George.....	J. J. Marx.....	George.....
Rock Rapids Co-op. Creamery Ass'n.....e	Rock Rapids.....	E. Van Anne.....	Adrain, Minn.....	Nels Thompson.....	Rock Rapids.....
Madison County—					
Winterset Creamery.....j	Winterset.....	F. B. Seidler.....	Winterset.....	F. B. Seidler.....	Winterset.....
Mahaska County—					
Love's Creamery.....e	Oskaloosa.....	J. C. Love.....	Oskaloosa.....	Emmett Love.....	Oskaloosa.....
Reisman Co., Inc.....cen	Oskaloosa.....	J. C. Reisman.....	Oskaloosa.....	C. Bergstresser.....	Oskaloosa.....
Maplehurst Dairy Co.....cen	Oskaloosa.....	E. G. Squire.....	Grinnell.....	M. Ver Steigh.....	Oskaloosa.....
Ferguson Creamery & Produce.....j	Barnes City.....	Chris. Jensen.....	Barnes City.....	H. Ferguson.....	Barnes City.....
Farmer's Union Co-op. Creamery.....e	Oskaloosa.....	G. E. Dugger.....	Oskaloosa.....	John McLane.....	Oskaloosa, Bx. 86.....
Marion County—					
Knoxville Creamery.....j	Knoxville.....	W. H. Anderson.....	Knoxville.....	T. W. Alexander.....	Knoxville.....
Pella Creamery.....cen	Pella.....	Ben Kuyk.....	Pella.....	Lee Jarman.....	Pella.....
Marshall County—					
Jackson Dairy Co.....j	Marshalltown.....	F. R. Jackson.....	Marshalltown.....	F. Thompson.....	Marshalltown.....
Miscery Valley Co-op. Cry. Ass'n.....e	Clemons.....	Theo. Helmeke.....	Clemons.....	Chris. Jensen.....	Clemons.....
Nielsen Butter & Ice Cream Co.....j	Marshalltown.....	N. C. Nielsen.....	Marshalltown.....	Anton Nielsen.....	Marshalltown.....
State Center Farmers Creamery Ass'n.....e	State Center.....	Chris. Jensen.....	State Center.....	F. M. Olsen.....	State Center.....
Marshalltown Co-op. Dairy Ass'n.....e	Marshalltown.....	C. L. Gord.....	Marshalltown.....	C. A. Smock.....	Marshalltown.....
Mills County—					
Glenwood Creamery Co.....cen	Glenwood.....	J. P. Stille.....	Glenwood.....	Wm. Loustsen.....	Glenwood.....
Malvern Cold Storage Co.....cen	Malvern.....	Bruce Boehmer.....	Malvern.....	C. Eason.....	Malvern.....
Mitchell County—					
Little Cedar Co-op. Creamery Ass'n.....e	Little Cedar.....	C. H. Penney.....	Little Cedar.....	L. J. Ethen.....	Little Cedar.....
New Haven Creamery.....e	New Haven.....	Julius Brunner.....	Osage, R. D. No. 4.....	Julius Brunner.....	Osage.....
Osage Co-op. Creamery Ass'n.....j	Osage.....	Judson Burtch.....	Osage.....	C. Woodwise.....	Osage.....
Riceville Creamery.....e	Riceville.....	Kistner Bros.....	Riceville.....	Wm. & A. Kistner.....	Riceville.....
Rock Creek Creamery Ass'n.....e	Maro, Mail Osage.....	H. K. Klemmerud.....	Osage.....	D. Christensen.....	Osage.....
St. Ansgar Creamery Co.....e	St. Ansgar.....	O. C. Seefeld.....	St. Ansgar.....	H. R. Bullis.....	St. Ansgar.....
Stacyville Creamery Co.....e	Stacyville.....	W. A. Schrandt.....	Stacyville.....	K. M. Durben.....	Stacyville.....
Monona County—					
Maple Valley Creamery Co.....j	Mapleton.....	W. R. Koon.....	Mapleton.....	Edd. Hein.....	Mapleton.....
Montgomery County—					
Lee Blue Ice Cream Co.....j	Red Oak.....	Lee Blue.....	Red Oak.....	W. F. Coonley.....	Red Oak.....
Red Oak Creamery.....cen	Red Oak.....	G. L. Bushion.....	Red Oak.....	Earl Daddow.....	Red Oak.....
Tyler Bros.....j	Villisca.....	H. F. & H. M. Tyler.....	Villisca.....	George Parks.....	Villisca.....
Muscatine County—					
Swift & Co.....cen	Muscatine.....	C. A. Peacock.....	Chicago, Ill.....	Les B. Folsom.....	Muscatine.....
The Stockton Creamery & Product Co.....j	Stockton.....	Earl Holst.....	Stockton.....	Joe Taylor.....	Stockton.....
West Liberty Co-op. Creamery Co.....e	West Liberty.....	Lawton & Buckman.....	West Liberty.....	Wm. Sampson.....	West Liberty.....
O'Brien County—					
Hartley Creamery Co.....j	Hartley.....	Peter F. Soenke.....	Hartley.....		Hartley.....
Sheldon Co-op. Creamery.....e	Sheldon.....	Geo. Boerhave.....	Sheldon.....	A. H. Ady.....	Sheldon.....
Sutherland Creamery Co.....j	Sutherland.....	Sreen & Jensen.....	Sutherland.....	Arno Rein.....	Sutherland.....
Osceola County—					
Osceola County Co-op. Cry. Ass'n.....e	Sibley.....	Jens Kramme.....	Sibley.....	Jay Wolfe.....	Sibley.....
Page County—					
Swift & Co.....cen	Clarinda.....	John Warnock.....	Clarinda.....	Earl Martin.....	Clarinda.....
Palo Alto County—					
Emmettburg Farmers Co-op. Cry. Co.....e	Emmettburg.....	Elma Gustafson.....	Emmettburg.....	Elma Gustafson.....	Emmettburg.....
Farmers Co-op. Creamery Co.....e	Ruthven.....	Ruth V. Curran.....	Ruthven.....	Orto Spies.....	Ruthven.....
Farmers Creamery.....e	Graettinger.....	F. L. Lambe.....	Graettinger.....	Falmer Fretten.....	Graettinger.....
Lost Island Creamery Co.....e	Graettinger.....	S. M. Andersen.....	Emmettburg, R. 3.....	Selmer Nelson.....	Graettinger.....
Mallard Butter & Cheese Ass'n.....e	Mallard.....	E. B. White.....	Mallard.....	Carl W. Larsen.....	Mallard.....
Ayrshire Creamery Ass'n.....e	Ayrshire.....	J. E. Dalley.....	Ayrshire.....	Edwin Larson.....	Ayrshire.....
West Bend Co-op. Creamery Co.....e	West Bend.....	F. Lockwood.....	West Bend.....	O. W. Dubbs.....	West Bend.....
Plymouth County—					
Akron Creamery Co.....j	Akron.....	O. C. Larson.....	Akron.....	W. A. Larsen.....	Akron.....
Wells Dairy.....j	Le Mars.....				

CREAMERY LIST, 1929—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
Pocahontas County—					
Farmers Creamery Ass'n.....c	Laurens	C. C. Hall	Laurens	E. A. Olsen	Laurens
Pocahontas Creamery.....c	Pocahontas	Geo. Siebels	Palmer	J. F. Petersen	Pocahontas
Polk County—					
Harding Cream Co.....cen	Des Moines	J. M. Harding	Omaha, Neb.	O. W. Baah	Des Moines
Swift & Co.....cen	Des Moines	Geo. Linden	Des Moines	H. C. Larson	Des Moines
Armour Creameries.....cen	Des Moines	Armour & Co.	Chicago, Ill.	Frank Halloran	Des Moines
Lange Creamery Co.....cen	Des Moines	F. L. Taylor	Des Moines, Bx 882	J. E. Travase	Des Moines
Hutchison Ice Cream Co.....cen	Des Moines	J. R. Hutchison	Des Moines	Geo. McClain	Des Moines
D. M. Co-op. Dairy Mktg. Ass'n.....c	Des Moines	J. H. Mason	Des Moines	Wm. Anderson	Des Moines
Pottawattamie County—					
Hurd Creamery Co.....cen	Council Bluffs	Fred E. Hurd	Council Bluffs	G. S. Supernau	Council Bluffs
Farmers Co-op. Creamery Ass'n.....c	Avoca	Henry Rock	Avoca	Albert Stone	Avoca
Poweshiek County—					
Maplehurst Dairy Co.....cen	Grinnell	W. C. Winkleman	Grinnell	H. E. Crowder	Grinnell
Brooklyn Co-op. Creamery Ass'n.....c	Brooklyn	W. I. Wasson	Brooklyn	J. B. Pierson	Brooklyn
Sac County—					
Sac City Creamery Co.....cen	Sac City	H. F. Lange	Sac City	I. Sallie	Sac City
Scott County—					
Pioneer Creamery Co.....cen	Davenport	Wm. Eulers	Davenport	Eli Londahl	Davenport
Tri City Butter Co.....cen	Davenport	P. J. Lyngholm	Davenport	Wm. Seltz	Davenport
Davenport Dairy Product Co.....c	Davenport	A. C. Norskow	Davenport	A. C. Norskow	Davenport
Sunlight Produce.....cen	Davenport	A. W. Anderson	Chicago, Ill.	John Vale	Davenport
Scott Co. Produce Co.....c	Davenport	W. H. Hobday	Cudahy, Wis.	L. M. Rasmussen	Davenport
Davenport Produce Co.....c	Davenport	H. C. Priester	Davenport	Canwertzel & Burns	Davenport
Shelby County—					
Harlan Ice & Creamery Co.....c	Harlan	O. G. Ruffcorn	Harlan	R. W. Jensen	Harlan
Farmers Creamery Ass'n.....c	Harlan	Geo. Larson	Harlan	D. J. Moran	Harlan
Sioux County—					
Alton Creamery.....c	Alton	Sjostrom Bros.	Marcus	Herbert Lucas	Alton
Farmers Co-op. Creamery Co.....c	Boydton	W. F. Wargowsky	Boydton	Berman Jacobs	Boydton
Hull County—					
Farmers Co-op. Creamery Ass'n.....c	Hull	D. Scholten	Hull	B. Scholten	Hull
Farmers Mutual Co-op. Creamery Ass'n.....c	Orange City	O. Noteboom	Orange City	B. Riekenno	Orange City
Farmers Mutual Co-op. Creamery.....c	Sioux Center	H. H. Jensen	Sioux Center	H. H. Jensen	Sioux Center
Farmers Mutual Creamery Co.....c	Hospers	P. H. Yonker	Hospers	P. H. Yonker	Hospers
Rock Valley Creamery Co.....c	Rock Valley	A. Gaslewky	Hudson, S. D.	J. Dodeward	Rock Valley
Inter-State Co-op. Creamery Ass'n.....c	Hawarden	W. H. Miller	Hawarden	Paul Moerman	Hawarden
Story County—					
Dept. of Dairy Industries—J. S. C.....c	Ames	M. Mortensen	Ames	Fred C. Hinne	Ames
Farmers Co-op. Creamery Co.....c	Slater	H. L. Buche	Slater	C. Clark	Slater
Huxley Farmers Co-op. Creamery Co.....c	Huxley	Sigm. Mainland	Huxley	Jens Rjerk	Huxley
Roland Farmers Creamery Co.....c	Roland	S. L. Belfeldt	Roland	L. H. Larsen	Roland
Story City Farmers Co-op. Cry.....c	Story City	M. C. Hansco	Story City	L. C. Peterson	Story City
Zearing Creamery Co.....c	Zearing	C. P. Bean	Zearing	C. M. Peterson	Zearing
Nevada Creamery.....c	Nevada	Carl Irish	Nevada	W. P. Hughes	Nevada
Tama County—					
J. H. Neil Creamery Co., Inc.....cen	Tama	J. H. Neil	Tama	Ray Adams	Tama
Traer Co-op. Creamery Ass'n.....c	Traer	F. W. Niemeier	Traer	N. O. Bendickson	Traer
Lone Pine Creamery.....c	Garwin	H. P. Anderson	Garwin	H. P. Anderson	Garwin
Taylor County—					
Bedford Creamery.....c	Bedford	A. E. Lake	Bedford	Leslie Klopp	Bedford
Union County—					
Armour Creameries.....cen	Creston	J. N. Ahmquist	Creston	J. H. Miller	Creston
Boyd Creamery Co.....c	Creston	J. I. Boyd	Creston	S. B. Dotson	Creston
Swift & Co.....cen	Creston	C. F. Cagley	Creston	J. J. Killan	Creston
Van Buren County—					
Keosauqua Co-op. Creamery Ass'n.....c	Keosauqua	Asa L. Fellows	Keosauqua	C. M. Reeve	Keosauqua
Farmers Co-op. Creamery Co.....c	Farmington	Alfred Baldwin	Farmington	Alfred Baldwin	Farmington
Wapello County—					
F. C. Buxton Creamery Co.....cen	Ottumwa	P. G. Vermillion	Ottumwa	F. T. Thill	Ottumwa
Swift & Co.....cen	Ottumwa	C. A. Peacock	Chicago, Ill.	E. A. McFarland	Ottumwa
Yorkshire Creamery Co.....cen	Ottumwa	G. M. Foster	Ottumwa	W. A. Stowe	Ottumwa
Graham Milk Co.....c	Ottumwa	W. S. Graham	Ottumwa	D. Dayton	Ottumwa
Vandelo's Milk Company.....c	Ottumwa	Wm. J. & J. F. Van- deloo	Ottumwa	O. Shoemaker	Ottumwa
Wyatt Produce Co.....c	Ottumwa	Wm. Wyatt	Ottumwa	Rowland & Wyatt	Ottumwa
Warren County—					
Indianola Creamery.....c	Indianola	M. J. Van Dam	Indianola	M. J. Van Dam	Indianola

CREAMERY LIST, 1929—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
Washington County--					
Reister Creamery	Washington	W. S. Reister & Sons	Washington	H. J. Hays	Washington
Wellman Co-op. Creamery Ass'n	Wellman	Wellman	Wellman	R. G. Weeks	Wellman
Brighton Creamery	Brighton	E. C. Capper	Brighton	E. C. Capper	Brighton
Wayne County--					
Jas. L. Humphrey, Jr.	Humeston	J. L. Humphrey, Jr.	Humeston	Ralph King	Humeston
Webster County--					
Fort Dodge Creamery	Ft. Dodge	A. B. Sayles	Ft. Dodge	B. Jensen	Ft. Dodge
Gowrie Co-op. Creamery Co.	Gowrie	Mrs. F. P. Stillman	Gowrie	Geo. Madsen	Gowrie
Winnebago County--					
Buffalo Center Co-op. Creamery Co.	Buffalo Center	Geo. Jutting	Buffalo Center	Ben Swanson	Buffalo Center
Forest City Co-op. Creamery Ass'n	Forest City	J. E. Reed	Forest City	Soren Kristensen	Forest City
Lake Mills Creamery Co.	Lake Mills	O. T. Groe	Lake Mills	Carl Hovland	Lake Mills
Leland Co-op. Creamery Co.	Leland	R. W. Branstad	Leland	Albert Bakken	Leland
Lincoln Co-op. Creamery Co.	Rake	A. A. Sheldon	Rake	L. B. Cash	Rake
Searville Creamery Ass'n	Searville	J. E. Hermanson	Searville	C. Hanson	Searville
Thompson Co-op. Creamery Ass'n	Thompson	J. G. Field	Thompson	W. Thompson	Thompson
Vinje Creamery Ass'n	Searville	A. C. Engebretson	Searville	G. Hovland	Searville
Winneshiek County--					
Calmar Creamery Co.	Calmar	A. A. Olson	Calmar	H. A. Fjelstul	Calmar
Decorah Farmers Ice Cave Cry. Co.	Decorah	H. A. Lubke	Decorah, R. 8.	N. M. Larson	Decorah
Festina Co-op. Creamery Co.	Festina	A. C. Bohr	Oxlan	Wm. Schuler	Ft. Atkinson, R. 1
O. A. Fosse Creamery	Ridgeway	O. A. Fosse	Ridgeway	A. Sanderson	Ridgeway
Haberman Creamery	Ft. Atkinson	Geo. Haberman	Ft. Atkinson	Geo. Haberman	Ft. Atkinson
Highlandville Creamery Co.	Highlandville	Bideo & Akre	Highlandville	P. J. Bidne	Highlandville
Lincoln Creamery Co.	Ridgeway	H. L. Wimack	Ridgeway	L. J. Quaily	Ridgeway
Pleasant Co-op. Creamery Co.	Decorah	Edward Lund	Decorah, R. 7.	H. E. Hauge	Decorah, R. 7
Silver Springs Creamery Co.	Ossian	H. P. Nicholson	Ossian	O. O. Hauge	Ossian
Nordness Creamery	Nordness	G. O. Remmen	Decorah, R. D. 2	C. H. Kolarud	Decorah, R. 2
Woodbury County--					
Blue Valley Creamery Co.	Sioux City	R. H. Vansant	Chicago, Ill.	A. C. E. Mortenson	Sioux City
Fairmont Creamery Co.	Sioux City	A. D. Bland	Sioux City	J. A. Rathen	Sioux City
Hanford Produce Co.	Sioux City	P. G. Wilson	Sioux City	Scott Davis	Sioux City
Swift & Co.	Sioux City	J. J. Hayes	Sioux City	F. V. Jones	Sioux City
Sunlight Produce Co.	Sioux City	A. W. Anderson	Chicago, Ill.	M. Romburg	Sioux City
Worth County--					
Farmers Butter & Cheese Ass'n	Northwood	A. L. Linter	Northwood	H. C. Stedel	Northwood
Farmers Co-op. Cry. Ass'n of Tenold	Northwood	O. K. Storre	Kensett	E. Anderson	Northwood
Farmers Creamery	Grafton	F. M. Glasel	Grafton	R. Jorgensen	Grafton
Farmers Creamery Co.	Kensett	Edman Gasler	Kensett	E. P. Conway	Kensett
Farmers Creamery	Manly	C. J. Mueller	Manly	Ed. Andreasen	Manly
Fertile Co-op. Dairy Co.	Fertile	Roy Larson	Hanlontown	H. P. Euren	Fertile
Hanlontown Creamery Co.	Hanlontown	E. A. Gudvangen	Hanlontown	R. A. Gudvangen	Hanlontown
Hartland Creamery Co.	Northwood	E. E. Breen	Northwood	N. O. Dahlen	Northwood
Joice Creamery Co.	Joice	J. M. Paulson	Joice	J. H. Hagen	Joice
Wright County--					
Hutchinson Ice Cream Co.	Clarton	Hutchinson Ice Cream Co.	Cedar Rapids	Merl Whitish	Clarton
Farmers Creamery Co.	Belmond	O. D. Jentson	Belmond	C. H. Jennings	Belmond
Goldfield Co-op. Creamery Co.	Goldfield	C. M. Clausen	Goldfield	E. A. Clus	Goldfield
Eagle Grove Creamery	Eagle Grove	J. N. Melne	Eagle Grove	T. W. Melne	Eagle Grove

CHEESE FACTORY LIST

Name of Factory	Location	Name of Proprietor	Address of Proprietor	Name of Cheesemaker	Address of Cheesemaker
Allamakee County—					
Volley Farmers Cheese Co.....	Monona, R. 2	Mrs. D. Bose, Sec.	Luana, R. 2	R. Garber	Monona, R. 2.
Forest Mills Cheese Co.....	Postville	Postville State Bank	Postville	E. E. Austin	Postville
Hanover Cheese Co.....	Dorchester	T. J. Fitzgerald, Mgr.	Dorchester	O. Stemhart	Dorchester
Crawford County—					
Armour Creameries.....	Denison	Armour & Co.			
Delaware County—					
Tom May Cheese Factory.....	Thorpe	Tom May	Manchester		
Humboldt County—					
Pioneer Cheese Factory.....	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.....	Riceville	John Stettler	Riceville	John Stettler	Riceville
Story County—					
Iowa State College.....	Ames	Prof. Mortensen, Head Dairy Dept.	Ames		Ames
Winneshiek County—					
Frankville Farmers Cheese Co.....	Postville, R. D.	J. E. Kneeskem, Sec.	Postville, R. 2.		

CONDENSED MILK LIST

Name of Factory	Location	Name of Proprietor	Address of Proprietor
Carnation Milk Products Company.....	Waverly	Paul R. McKee, Secretary	220 State St., Chicago, Ill.
Perry Milk Products Company.....	Perry	H. J. Ryner, President	Perry, Iowa
H. W. Carmichael Co.....	Independence	A. K. Carmichael, Mgr.	Independence

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 Department of Agriculture
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