

State of Iowa

1927

Forty-First Annual Report
Dairy and Food Division

OF THE

Iowa Department of Agriculture

For the Year Ending December 31, 1927

Reprinted from the
Twenty-Eighth Annual Year Book
of Agriculture

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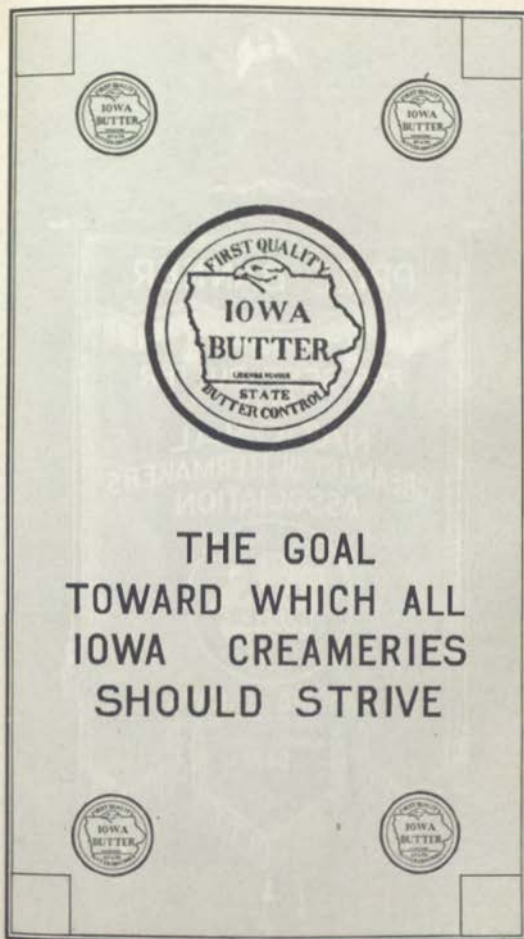
LETTER OF TRANSMITTAL

HON. JOHN HAMMILL, Governor:

Sir: I have the honor to transmit herewith the Forty-First Annual Report of the Dairy and Food Division of this department for the year ending December 31, 1927, as a part of the twenty-eighth Iowa Year Book of Agriculture.

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

Des Moines, January 1, 1928.



THE GOAL
TOWARD WHICH ALL
IOWA CREAMERIES
SHOULD STRIVE



DEPARTMENT OF AGRICULTURE
Des Moines, Iowa

M. G. THORNBURG,
Secretary

C. N. KENNEDY,
Assistant Secretary

OFFICERS AND EMPLOYEES OF THE DAIRY AND FOOD DIVISION

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Chief of Inspectors	B. O. Brownlee	Des Moines
Chief Chemist	E. L. Redfern	Des Moines
Assistant Chemist	R. C. Meehan	Des Moines
Chief Record Clerk	C. S. Bogle	Des Moines
Chief Clerk	A. W. Day	Des Moines
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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
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State Inspector	Burr Willis	Burlington
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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. Flete	Iowa Falls
State Inspector	A. L. Landis	Waterloo
State Inspector	P. W. Stephenson	Oelwein
State Inspector	W. W. Newland	Cedar Rapids
State Inspector	O. P. Thompson	Iowa City
State Inspector	A. E. Robertson	Oskaloosa
State Inspector	Peter White	Atlantic
State Inspector	E. E. Mittlestadt	Carroll
State Inspector	C. E. Behnke	Ames
State Inspector	Fred Susie	Marshalltown
State Inspector	H. E. Ritter	Des Moines
State Inspector	H. W. McElroy	Des Moines
Heavy Scale Inspector	E. J. Nolan	Des Moines
Heavy Scale Inspector	A. B. Briggs	Ottumwa
Heavy Scale Inspector	Frank Johnson	Des Moines
Assistant Record Clerk	Evelyn Rees	Des Moines
Stenographer	Kathryn Birmingham	Des Moines
Stenographer	Helen T. Hackley	Des Moines
Stenographer	Mildred Lidell	Des Moines
Janitor	A. J. Newquist	Des Moines

REPORT OF DAIRY AND FOOD DIVISION

FOREWORD

This has been an active year for the Dairy and Food Division of Iowa's Agricultural Department. At no time during the twelve months of 1927 has there been a cessation of things to do. It has also been a satisfactory year from the standpoint of the work done; from the problems solved that necessarily arise in the supervising and enforcing our twenty-nine laws; and the co-operation received from those who come under the jurisdiction of those laws.

Each year finds the department a little better organized. Its various units, becoming more familiar with their duties, are increasing both the volume and quality of the service rendered. Limiting an inspector's territory to three or four counties enables him to go over his territory oftener, brings him in closer touch with the trade, and does much to dispel the feeling of irritation that so many merchants have when called upon by any public inspector. The reliable merchant now realizes that he profits as much as any one by the enforcement of our food laws, and is becoming a great help to the department in its inspection work.

Under separate heads more will be given in detail of what has been done during the last year.

DAIRYING

Much is being said these days about a more economic production by Agriculture, to which we can all subscribe, provided it does not mean more hours and less home comforts to bring it about.

The dairy industry is one of the helpful methods of putting Agriculture on sound and economic lines. Its production takes from the soil the least proportion of its fertility and puts the most back. Its contribution to our state's income is not only large but timely.

That this is being generally accepted, is shown by the increased interest being taken in dairying in such portions of our state as have been slow to take up milking. From 1920 to 1927 the southern half of the state increased its output of creamery butter 105%. The increase in the northwest quarter during the same period was

DAIRY COMMISSIONERS

NAME	County	From Appointment	Years Served
	Which Chosen	Date of First	
Henry D. Sherman.....	Jones	May 1, 1886....	1886-1890
Augustus C. Tupper.....	Mitchell	May 1, 1890....	1890-1894
William K. Boardman.....	Story	May 1, 1894....	1894-1898
Levi S. Gates.....	Delaware	May 1, 1898....	1898-1902
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

149%; while the twenty-five counties in the northeast quarter of the state, where 40% of our creamery butter is now made, have increased their make 60% since 1920. The total increase of creamery butter in the state as a whole during same period has been 100%.

We do not compile an annual report without stressing this point, that dairying does not necessarily lessen other farm production. Perhaps, our best illustration of this is Sioux County, one of our leading counties in the production of corn, hogs, oats, poultry and eggs. It likewise holds a similar position in the production of creamery butter from its own cows, there being only two counties that slightly lead it. Its seven co-operatives and one individual owned creamery made last year 4,957,631 pounds of butter, an increase over 1926 of 707,298. Sioux County also has the distinction of being one of Iowa's thirty-nine modified accredited counties, which further demonstrates that the tuberculin testing of its dairy cows has not decreased its dairy production.

Clayton County leads in the make of creamery butter from milk or cream produced within the county. Her eighteen creameries report 5,753,339 pounds.

Fayette County with the same number of creameries, (eighteen), continues to hold second place with an output of 5,243,305 pounds.

Bremer County continues to lead in the number of creameries as well as the number of co-operatives, there being only one individual owned creamery, the remaining twenty being co-operative.

Creamery prices for butterfat have been well sustained during the year, the general average for the state being three cents per pound above 1926.

Iowa's production of creamery butter shows a gain over 1926 of 20,184,240 pounds, making a total of 192,442,103 pounds. This added to our farm-made butter, of which there is an estimated amount of 24,000,000 pounds, make Iowa's total butter production of 216,442,103 pounds.

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

AVERAGE PRICE	AVERAGE PRICE	AVERAGE PRICE
1920—First 6 mos. 64.90c	Last 6 mos. 58.26c	12 mos. 61.44c
1921—First 6 mos. 62.93c	Last 6 mos. 45.28c	12 mos. 43.25c
1922—First 6 mos. 37.22c	Last 6 mos. 43.89c	12 mos. 40.59c
1923—First 6 mos. 46.27c	Last 6 mos. 47.31c	12 mos. 46.79c
1924—First 6 mos. 44.80c	Last 6 mos. 40.43c	12 mos. 42.61c
1925—First 6 mos. 42.94c	Last 6 mos. 47.50c	12 mos. 45.22c
1926—First 6 mos. 42.29c	Last 6 mos. 46.46c	12 mos. 44.38c
1927—First 6 mos. 45.95c	Last 6 mos. 47.60c	12 mos. 47.25c

It would seem that so far as price and quantity production were concerned, we had about reached our saturation point in 1926; yet last year we had an increase in production of 10½% and an increase in the average price for butterfat of three cents per pound. This increase in both volume and price added eight and one-half million dollars to Iowa's agricultural income. All of this increase has come without any apparent increase in the number of our dairy cattle, which justifies the conclusion that our farmers are working along the line of better cows, rather than more cows.

There are yet too many of our cows in the boarder class, as there is altogether too much cream marketed that fails to reach the 90 score mark when made into butter. This will not be overcome until cream is entirely bought on a quality basis. No one disputes this, but progress along that line has been slow until recently. More interest is being shown at present, than ever before. All classes of buyers, from the small individual owned creamery to the large centralizer, are taking initiatory steps towards buying on grade. As we have expressed ourselves before, Iowa is too well fortified in the abundance and productiveness of her soil, to devote all her farming to the making of butter. There is no reason, though, why the dairying we do should not be put on as sound and profitable a basis as possible, which means high producing cows properly rationed and the milk or cream well taken care of.

We here give our customary table showing what goes to the credit of Iowa's dairy cow:

TOTAL VALUE DAIRY PRODUCTS—1927

Creamery Butter	192,442,103 lbs.	\$ 84,005,134.06
Ice Cream	6,500,000 gal.	6,175,000.00
Sweet Cream (40%)	12,000,000 lbs.	2,688,000.00
Market Milk	800,000,000 lbs.	20,000,000.00
Cheese	870,000 lbs.	207,000.00
Cottage Cheese	2,000,000 lbs.	240,000.00
Farm Dairy Butter	24,000,000 lbs.	10,080,000.00
Condensed Milk	15,397,729 lbs.	1,399,358.50
Skim Milk and Butter Milk	5,068,500,000 lbs.	15,205,500.00
Calves	900,000	3,600,000.00
Fertilizer	11,200,000 tons	11,200,000.00

\$154,799,992.56

As shown by the above table, there are around twelve million pounds of cream put on the market as sweet cream. Seventy per cent of this goes out of the state to the following cities: Baltimore, Newark, Boston, Chicago, Philadelphia, Pittsburg, Detroit, Cleveland and St. Louis. The prevailing price is 20% over New York

Extras at the creamery on the day of shipment. That would average last year fully 56 cents per pound for fat.

That the additional tariff of four cents per pound on import butter was a much needed protection to our dairy interests, is now generally conceded. Even with a barrier of twelve cents, 8,459,741 pounds of foreign butter found its way into this country during 1927. It is not pleasant to contemplate what would have happened to our butter market if the tariff had remained at eight cents. Cream is another dairy product that should be better protected from the imported product. Ten cents a gallon on cream of 30% fat or over, permits our neighbors on the north to cross the line with their cream, by paying a custom duty of not over four cents per pound of butterfat. Whereas, if that cream was churned and the fat was brought across the line in the form of butter, the tariff charge would be at the rate of 16 cents for the fat.

The tariff on imported cream to be made into butter should be levied on its butterfat content, and put on a par with butter. As yet not enough cream is imported to materially affect our butter market. In 1927 we received from Canada 4,495,917 gallons of cream and 4,886,445 gallons of milk. These, figure in terms of butter close to 25 million pounds. As a rule the difference in price between here and Canada is more than the tariff, and if this tariff is not increased, we will wake up some day to find we have encouraged the establishment of creameries along the border making butter from Canadian cream.

CREAMERY BUTTER SOLD IN IOWA 1917-1924

1917	12,958,678 lbs.
1918	16,827,457 lbs.
1919	15,342,119 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	30,598,069 lbs.

It was with a feeling of chagrin that we had to chronicle in last year's report, that there was a decrease in the creamery butter sold to the public other than patrons during 1926. This year, as the above table shows, 1927 not only makes up what we lost in 1926 but puts us ahead of 1925 by 2,079,661 pounds.

From the following table we get our estimate of the total amount

of milk that Iowa's one and one-third million dairy cows produced in 1927:

Milk used in Creamery Butter	5,500,000,000 lbs.
Milk used in Sweet Cream	128,000,000 lbs.
Milk used in Ice Cream	121,000,000 lbs.
Milk used in Market Milk	800,000,000 lbs.
Milk used in Cheese	9,670,000 lbs.
Milk used in Farm Butter	650,000,000 lbs.
Milk used in Condensed Milk	30,200,000 lbs.
	7,258,870,000 lbs.

That Iowa is keeping pace with the general increase in the make of butter is shown by the following tables:

BUTTER PRODUCTION IN THE UNITED STATES

	Farm Butter	Creamery Butter
1899	1,071,626,000 lbs.	420,127,000 lbs.
1909	594,761,000 lbs.	627,146,000 lbs.
1919	707,566,000 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.

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.

THE IOWA CREAMERY

There are 462 creameries in this state classified as follows: 264 co-operatives; 141 individuals; and 58 centralizers. This is an increase of eight over the year before, or 1½%. The output of these creameries increased our total for the year 20,184,240 pounds of butter, or 11 3/5%.

The Iowa creamery as a manufacturing institution stands well to the front in the value of its product of \$84,000,000.00, being surpassed only by the meat packing industry. The manufacturing, transportation and wholesaling of butter, perhaps, brings back to the farmer as large a per cent of his dollar as any product he puts on the wholesale market.

Our creameries are not equally distributed over the state. Two hundred forty-three are located in the northeast 25 counties; the northwest 24 counties supports 101; the remaining 118 are in the southern half, with the east 25 counties having 67 to their credit and 52 to the west 25 counties. This tabulation shows that the 25

counties in the northeastern part of the state is the dairy section of Iowa. Their 243 creameries made last year 72,321,936 pounds of butter. This is 38% of Iowa's total production of creamery butter.

The following six counties are without creameries: Ida, Fremont, Lucas, Monroe, Ringgold, Monona. The farmers in the foregoing counties, though, like our southern counties generally, are not as indifferent to dairying as evidenced by their lack of a creamery. Thirty-five of our 58 centralizers are in the south half of the state. We doubt if you will find in all this territory a community without its cream station. There are 2,367 cream stations in the



Iowa's second largest manufacturing industry is her creameries.

state where cream is bought direct from the farm and shipped to a central manufacturing plant. It is owing to this large number of centralizers that these 50 counties, with less than half the number of creameries of northeastern Iowa's 25, turned out 80% as much butter last year, all of which indicates that considerable milking is done in southern Iowa. The centralizers with their cream stations afforded a ready cash market for many million pounds of butter last year at an average price of 44 cents, that prior to this form of buying, had to be marketed through the general store at much less than half that price.

The remaining 23 centralizers in the northern half of the state do a thriving business in a territory dominated by the co-operative

creamery. No one can question the success of co-operation when applied to the making of butter. Of our 264 co-operatives, 172 are in this territory. When the number of cows warrant it and the organizers of a co-operative creamery realize the value of a quality product as well as a buttermaker that can produce it, the returns to such a creamery's patrons are very satisfactory. One of our best illustrations of this is the new creamery just put in operation at Keosauqua. The report for the five months of their operation, up to December 31st, gives the following: 216,000 pounds of cream purchased; 94,514 pounds of butter made; average price paid patrons 48.98 cents per pound of butterfat. They have some 300 patrons, with a total of 1,200 cows. This is a particularly good showing for a new creamery started as this was entirely outside of what we might call our cooperative territory, and in a southern county.

The following table gives the number of patrons, number of cows, and the amount of milk and cream it took to make the 192,442,103 pounds of creamery butter; also the disposition that was made of the butter:

Milk received	238,015,534 lbs.
Cream received	532,583,176 lbs.
Pounds of butter made	192,442,103 lbs.
Pounds sold to patrons	7,902,195 lbs.
Pounds sold in Iowa	22,695,814 lbs.
Pounds sold outside of the state	155,043,396 lbs.
Total number of patrons	181,077 lbs.
Total number cows	1,368,420 lbs.

As shown by the foregoing table 4% of our creamery butter goes back to the farm, 12% is sold in Iowa, and 84% finds its way to markets outside of the state. Chicago, New York, Boston and Philadelphia, are our principal markets, although our creamery reports show that few of our larger eastern cities are without some brand of Iowa butter. From these reports we estimate the Iowa shipment to the four principle markets:

New York	72,500,000 lbs. Butter
Chicago	40,500,000 lbs. "
Philadelphia	5,000,000 lbs. "
Boston	4,000,000 lbs. "
All other markets	24,043,396 lbs. "

155,043,396 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
1899	582			71,255,796		96	
1901	705			68,690,716		111	
1902	773			69,112,361		113	
1903	790			54,572,902	.30	110	
1904	806	10		54,500,417	.22	64	
1905	774	32		66,497,108	.22	81	
1906	741	69		80,032,916	.219	73	
1907	795	96		88,900,000	.188	76	
1908	811	143		87,704,214	.197	67	
1909	779	188		87,972,470	.203	69	
1910	797	167		84,865,062	.227	73	
1911	759	161		82,706,944	.216	73	
1912	752	168		77,885,606	.242	52	
1913	552	109		64,565,970	.242	45	
1914	559	106		70,000,000	.214	37	
1915	573	82	30	82,707,588	.248	29	
1916	548	48	20	91,202,354	.227	27	
1917	510	84	75	91,164,363	.282	13	
1918	514	36	82	101,553,063	.285	9	
1919	524	19	99	101,907,316	.288	9	
1920	485	9	86	96,911,000	.305	5	
1921	468	1	23	96,695,584	.261	9	
1922	504		36	91,738,573	.312	6	
1923	518		56	96,953,183	.324	11	
1924	500		45	92,865,921	.30	12	
1925	467		42	89,834,005	.302	11	
1926	443		41	97,628,788	.325	13	
1927	451		43	94,269,685	.42.7	24	
1928	402		44	83,348,309	51.0	19	
1929	398		42	90,915,938	60.3	20	
1930	399		41	89,179,612	61.5	17	
1931	414		40	98,740,419	43.4	10	
1932	422		50	124,108,089	40.7	5	
1933	429		50	132,378,353	46.8	5	
1934	445	No. of Cream Stations	55	140,497,549	42.5	5	
1935	448		55	165,834,574	45.2	9	
1936	455		57	172,327,863	44.4	9	
1937	463	2,367	58	192,442,103	47.2	10	

BUTTER PRODUCTION FOR 1923

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

BUTTER PRODUCTION FOR 1924

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

BUTTER PRODUCTION FOR 1925

No. Creameries	Butter Made	Average Price Paid Patron
262 Co-operative Creameries	74,152,506 lbs.	43.5 cents
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	81,259,654 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.	

STATE TRADE-MARK

The two illustrations at the first of this report express better than words what our buttermakers can do and should do. It takes quality cream in a well equipped and properly constructed building combined with the skill of a good buttermaker, to make, in season and out, butter of which seventy-five per cent (75%) will score 93 or better, and none less than 92. When a buttermaker so



Trade-Mark Adopted for First Quality Iowa Butter.

operates and maintains his creamery that a representative of the Agricultural Department gives it a score of 85 or better, and the Dairy Department at the State College certifies that his butter is up to the required standard, his creamery is added to our group of State Brand Creameries and he is granted, by the Dairy Board, the privilege of branding his butter with the state trade mark.

There are now 29 state brand creameries, the following three having been added during 1927: Exira Creamery, Exira, Iowa, J. P.

Jensen, buttermaker; German Creamery Co., Westgate, Iowa, J. H. Schroeder, buttermaker; New Haven Creamery, Osage, Iowa, Reuben Larson, buttermaker.

These 29 creameries made a total of 8,645,384 pounds of butter last year, besides selling 594,397 pounds of fat in sweet cream. The highest average paid for butterfat by a state brand creamery was 55.04 cents, the lowest was 47.2 cents, the average for the 29 creameries was 52 cents.

STATE BRAND CREAMERIES

Strawberry Point Co-op. Creamery, Straw-	
berry Point	Otto F. Wegers.....No. 1
Farmers Creamery Co., Manly.....	Ed. M. Anderson.....No. 2
Algona Co-op. Creamery, Algona.....	M. P. Christiansen.....No. 3
Farmers Co-op. Creamery Ass'n, Hull.....	O. W. Albright.....No. 4
Center Valley Creamery Co., Sumner.....	R. J. Allenstine.....No. 5
Lake Mills Creamery Co., Lake Mills.....	Carl Hoveland.....No. 6
Tripoli Creamery Co., Tripoli.....	H. C. Ladage.....No. 7
Farmers Co-op. Creamery Ass'n, Tenold.....	Elmer Anderson.....No. 8
Denver Creamery Co., Denver.....	W. J. Spurbeck.....No. 9
Klinger Creamery Co., Readlyn.....	Henry Segebath.....No. 10
Readlyn Creamery Co., Readlyn.....	H. A. Griese.....No. 11
Farmers Co-op. Creamery Co., Oelwein.....	F. H. Harms.....No. 12
Siegel Creamery Co., Tripoli.....	W. Behrens.....No. 13
Lost Island Creamery Co., Graettinger.....	Selmer Nelson.....No. 14
Harlan Mutual Co-op. Cry. Co., Maynard.....	G. C. Mittlestadt.....No. 15
Plymouth Co-op. Creamery Co., Plymouth.....	M. Mikkalson.....No. 16
Farmers Butter & Cheese Ass'n, Northwood.....	H. C. Stendal.....No. 17
Farmers Creamery Co., Grafton.....	Peter Refsdahl.....No. 18
Fenton Co-op. Creamery, Fenton.....	Fred Kuecker.....No. 19
Randall Mutual Creamery Co., Randallia.....	W. A. Rizer.....No. 20
Whittemore Farmers Creamery, Whittemore.....	O. J. Kloock.....No. 21
Alpha Farmers Creamery Co., Alpha.....	P. J. Lussan.....No. 22
Volga Farmers Creamery Co., Volga City.....	F. P. Gernand.....No. 23
Ringsted Co-op. Creamery, Ringsted.....	J. C. Jensen.....No. 24
Niles Creamery, Colwell.....	Earl Regal.....No. 25
Farmers Creamery Co., Arlington.....	E. J. Primus.....No. 26
Exira Creamery, Exira.....	J. P. Jensen.....No. 27
German Creamery Co., Westgate.....	John Schroeder.....No. 28
New Haven Creamery, New Haven.....	Julius Brunner.....No. 29

The above creameries are located in thirteen counties and are distributed as follows: Fayette, 7; Bremer, 5; Worth, 4; Kossuth, 3; Clayton, 2; Audubon, 1; Cerro Gordo, 1; Emmet, 1; Floyd, 1; Mitchell, 1; Palo Alto, 1; Sioux, 1; Winnebago, 1.

IOWA STATE BRAND CREAMERY ASSOCIATION

For over a year the question of a co-operating selling organization for Iowa's state brand butter, was under discussion by representatives from these state brand creameries; the Dairy Department, Iowa State College; the Dairy and Food Division, Iowa De-

partment of Agriculture; the Iowa Creamery Secretaries' and Managers' Association, and the State Dairy Association.

After a number of meetings and much debate pro and con, the Iowa State Brand Creamery Association was formed with a membership of 13 state brand creameries. Mr. H. A. Harmison was employed as manager and a start was made by Mr. Harmison, establishing his headquarters in Davenport, in June of last year. Later he moved to Mason City and, by the last of December, was comfortably located in part of the E. B. Higley Building, and 70,000 to 80,000 pounds of creamery butter per week are marketed through this association.

The plant is well equipped with all the necessary machinery for putting carton butter up in its most convenient form of four quarter pounds to the carton. The butter is wrapped and packed by girls in neat white smocks. The whole establishment has a business-like and prosperous air that promises much for the success of the association and is a credit to the enterprise and progressive spirit of these thirteen state brand creameries.

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

IOWA BUTTERMAKERS COME BACK

In order to refresh our memory we will repeat what has been said before, that prior to 1921 the buttermakers of Minnesota had won every banner offered by the National Creamery Buttermakers' Association for the best ten scores. That year (1921) ten of our buttermakers came to the front with an average score of 95.45, and the banner was brought to Iowa for the first time.

In 1922 we had again to give way to Minnesota's high score. In 1923 we apparently lost by a small margin, as it was announced that the banner would again go to Minnesota, but on re-checking the scores by the officials it was found that Iowa had won with a final average of 94.558, as against Minnesota's average of 94.540.

In 1924 we were able to put this at the head of our article: "Iowa



Fred Kucker,
Fenton



Phil J. Lussan,
Alpha



F. P. Gernand,
Volga City

**SIX OF THE BUTTERMAKERS
WHO HELPED TO BRING THE
PRIZE BANNER
TO IOWA FOR THE YEAR 1927**



Albert F. Harms,
Oelwein



Reuben N. Larson,
Osage, R. 4



R. E. Palmer,
Rock Valley



John H. Schroeder,
Westgate



Paul L. Smith,
Rockwell



John Dodeward,
Rock Valley

**SIX OF THE BUTTERMAKERS
WHO HELPED TO BRING THE
PRIZE BANNER
TO IOWA FOR THE YEAR 1927**



Viggo Killeholm,
Wesley



F. L. Sires,
Elgin



W. A. Riser,
Randall

Buttermakers Again Make Good." In 1925 we changed our headline a little, making it read, "Iowa Buttermakers Continue to Make Good." This meant that Iowa had won the banner four different times, three times consecutively. In 1926 a fraction of a score was against us and the best we could do for a headline that year was, "Iowa Buttermakers Slip a Cog." This year our boys were again traveling true to form, and while the race was a close one, Iowa nosed out with an average score for Iowa's high ten of 94.7303, as against Minnesota's 94.3136, Wisconsin 93.5306 and South Dakota 92.1740.

The national banner was not the only honor that was won at Minneapolis. Two of Iowa's buttermakers tied for the grand sweepstakes. In the fresh butter contest the gold, silver and bronze medals were also won by our buttermakers, as were the gold, silver and bronze medals in the cold storage butter contest.

We here give a list of the men who bring all this honor to Iowa, and their scores.

GRAND SWEEPSTAKE A TIE BETWEEN

Floyd L. Sires, Elgin, Iowa.....	94.35
F. P. Gernand, Volga City, Iowa.....	94.35

IOWA BUTTERMAKERS WHO WIN THE BANNER FRESH BUTTER CONTEST

Fred Kucker, Fenton.....	95.00
Phil J. Lussen, Alpha.....	95.50
F. P. Gernand, Volga City.....	95.25
Albert F. Harms, Oelwein.....	95.00
Reuben N. Larson, Osage, R. 4.....	94.75
R. E. Palmer, Rock Valley.....	94.75
John H. Schroeder, Westgate.....	94.75
Paul L. Smith, Rockwell.....	94.50
John Dodeward, Rock Valley.....	94.50
Vigge Kilisholm, Wesley.....	94.50
F. L. Sires, Elgin.....	94.50
W. A. Rizer, Randallia.....	94.50
Average of 10 highest.....	94.95

COLD STORAGE BUTTER SCORED IN JUNE

D. W. Mohler, New Hampton.....	95.50
W. F. Wargowsky, Boyden.....	95.00
John Dodeward, Rock Valley.....	94.75
Elmer J. Primus, Arlington.....	94.75
Donald Schulz, Algona.....	94.50
Chas. F. George, Denver.....	94.50
J. J. Marx, George.....	94.50
E. A. Gudvangen, Hanlontown.....	94.25
H. T. Hangartner, Clermont.....	94.25
O. A. Jensen, Dougherty.....	94.25
A. E. Zierath, Sumner.....	94.25
Average of 10 highest.....	94.6250

FRESH BUTTER CONTEST



Gold Medal
Fred Kucker,
Fenton, Iowa
Score—95.00



Silver Medal
Phil J. Lussen,
Alpha, Iowa
Score—95.50



Bronze Medal
F. P. Gernand,
Osage, Iowa
Score—95.25

MINNEAPOLIS

1927

COLD STORAGE CONTEST



Gold Medal
R. C. Wilson,
Hawkeye, Iowa
Score—95.50



Silver Medal
J. J. Boland,
Estherville, Iowa
Score—95.25



Bronze Medal
Otto A. Harms,
Oelwein, Iowa
Score—95.00



Floyd L. Sires,
Elgin, Iowa
Score—94.36

The
Two Buttermakers
who tied for
the Grand
Sweepstakes Prize
Minneapolis
1927



F. P. Gernand,
Volga City, Iowa
Score—94.36

COLD STORAGE BUTTER SCORED IN NOVEMBER

R. C. Wilson, Hawkeye.....	95.50
J. J. Boland, Estherville.....	95.25
Otto A. Harms, Oelwein.....	95.00
Chas. F. George, Denver.....	94.75
Floyd L. Sires, Elgin.....	94.75
H. C. Ladage, Tripoli.....	94.50
R. E. Palmer, Rock Valley.....	94.50
Will Behrens, Waverly.....	94.25
Elmer Anderson, Northwood, R. 1.....	93.83
F. P. Gernand, Volga City.....	93.83
Andrew Gudvanzen, Hanlontown.....	93.83
M. J. Mikkelsen, Plymouth.....	93.83
Fred Mitchell, St. Lucas.....	93.83
Donald Schulz, Algona.....	93.83
Mrs. H. C. Stendel, Northwood.....	93.83
Average of 10 highest.....	94.6169

INDIVIDUAL WINNERS FRESH BUTTER CONTEST

Gold Medal—Fred Kueker, Fenton, Iowa.....	96.00
Silver Medal—Phil J. Luason, Alpha, Iowa.....	95.50
Bronze Medal—F. P. Gernand, Volga City, Iowa.....	95.25

COLD STORAGE BUTTER

Gold Medal—R. C. Wilson, Hawkeye, Iowa.....	95.50
Silver Medal—J. J. Boland, Estherville, Iowa.....	95.25
Bronze Medal—Otto A. Harms, Oelwein, Iowa.....	95.00

NUMBER OF TUBS IN COLD STORAGE EXHIBIT BY STATES

Minnesota, 131; Iowa, 165; Wisconsin, 34; South Dakota, 15; Oregon, 2; Washington, 2; California, 1; Idaho, 1; Illinois, 1; Mississippi, 1; Montana, 7; Ohio, 1; Tennessee, 1. Loving Cup to be presented to Iowa.

NUMBER OF TUBS IN FRESH BUTTER EXHIBIT BY STATES

Minnesota, 245; Iowa, 121; Wisconsin, 112; South Dakota, 18; Oregon, 9; Washington, 3; Illinois, 2; Missouri, 2; Idaho, 1; Indiana, 1; Michigan, 1; Montana, 1; Nebraska, 1; North Dakota, 1; Oklahoma, 1; Pennsylvania, 1; Unknown, 1. Loving Cup to be presented to Minnesota.

CHEESE

We have often said that an agricultural state like Iowa, should at least make her own cheese. Yet, if we consume on an average as much cheese as the per capita consumption of the United States, we make about 10% of our consumption.

Cheese making flourishes only where farmers milk cows and take interest enough in dairying to take their milk every day to the factory. We have a few such sections in this state, and they do take their milk every day to a factory, but it is to a whole milk creamery and not a cheese factory. When the average wholesale price for cheese is not over 25 cents per pound, there is not much inducement for any of our whole milk creameries to turn to cheese making.

We are not prepared to say, though, that a cheese factory can not be maintained profitably in this state. We have nine that have weathered the storm for several years, and Armour & Company have established a cheese making outfit in their plant at Denison, Iowa, as an initiatory step towards adding this industry to their extensive butter business. The State Board of Control have made cheese at Anamosa for several years, but this last year, owing to the price they had to pay for milk at \$2.70 per hundred, they did not come out quite even at a price of 30 cents per pound for cheese to the State institutions.

MILK SURVEY

One of the important features of this division's work during the year was the milk survey put on by the American Child Health Association of New York, jointly with the State Health Department and the Dairy and Food Division of the Agricultural Department. Mr. Charles F. Chrisman, staff associate of the Child Health Association came to Iowa the latter part of October. He was assisted in the work by Mr. George Hollingsworth, bacteriologist of the State University at Iowa City; Mr. A. F. Wieters, sanitary engineer of the State Health Department; Mr. B. O. Brownlee, inspector in charge of this division, and such local inspectors as he called to their assistance in the different cities where they set up.

The plan organized called for a survey in eight sections of the state. A set-up consisted of establishing a portable laboratory in some central city in each of the several sections. Milk was then collected from the dealers in the various cities adjacent to the set-

up by department inspectors. A thorough analysis of each sample was then made for fat and solids contents, sediment tests, bacterial count, source of supply, sanitary conditions of the plant and handling, whether from a tuberculin tested herd or not, whether pasteurized or raw, and the daily per capita consumption in the various communities.

The survey included 683 samples of market milk in 42 Iowa cities, collected from 344 dairies selling 1,877 gallons of milk daily to 286,000 people. Seventy-eight per cent of this milk supply was raw milk, 22 per cent was pasteurized. Eighty per cent of the raw milk came from cows that had been tuberculin tested. One-third of the milk collected showed a higher bacterial count than would be desired, yet only a few samples were high enough to be considered dangerous. Sixteen per cent of the samples showed considerable dirt on the sediment pad. Only two per cent of the samples were below the standard of three per cent butterfat and nine per cent below the eight and one-half per cent solids not fat. High bacterial counts indicate either carelessness in the sterilization of equipment or prompt cooling of milk. Some of the pasteurization plants were negligent in the cooling of the milk and some a little careless in the handling and some a little careless in their pasteurization.

Every organized city and town government should have a milk ordinance governing the general supervision of the milk sold within their limits and such ordinances should be enforced by some local man, even if only for part time work. Seventy-four per cent of the cities inspected have such ordinances at the present time but only 36% had some local officer empowered to check up on the milk supply.

The outcome of the survey was very satisfactory as the survey shows that Iowa people are receiving a good milk supply although there is room for improvement. Mr. Chrisman, who has had charge of similar surveys in many of our states, was very high in praise of what we found here in Iowa.

At the suggestion of Dr. Crumrine, the head of the American Child Health Association, a follow-up program was agreed upon which meant the coming into the state of a representative of the Child Health Association who would visit the various sections in which the milk survey had been conducted and assisted by representatives from the Board of Health and the Dairy and Food Division put on a series of talks calling the people's attention to

what had been found in the survey and what was advisable and necessary for them to do in order to give their people a good milk supply.

EGGS

The egg business for 1927 from the shipper or packer's standpoint was satisfactory, the best for several years. The price paid the farmers was two to three cents less, which was not quite so satisfactory. The production and marketing of the Iowa egg crop is admittedly not what it should be. The spread between what the consumer pays and is willing to pay for the kind of eggs he wants, and what our producers get for most of the eggs they sell, is much too great. During the months of March, April, May and June, when 70% of our eggs are produced, the average price the farmers received was around 18 cents. During the same period the consumer was paying in New York City 44 to 45 cents for strictly fresh eggs. Fully 70% of the eggs that go out of the state are consumed east of Chicago, mostly in New York or surrounding cities. This difference between what the Iowa farmer was paid, and what some of the consumers in New York paid for their eggs, was almost entirely due to our prevailing system of buying and marketing the home product. Altogether too few of our eggs go on to the Eastern market as a strictly fresh or hennery egg.

No state in the union is better prepared to produce the kind of an egg that the eastern market will pay its best price for. At present the demand is turning to the large clean brown egg with the yellow yolk, the only kind of a yolk that corn-fed poultry puts in its egg. The question then arises—why do we not produce that kind of an egg? The answer is—our system of buying pays just as much for the little stained and dirty egg of any age, provided it has not reached the inedible stage.

This department is confident that whenever we furnish the farmers of Iowa with a local market for the strictly fresh egg, of the type referred to, the farmer will respond by producing that kind of an egg. Of course if all of the 120 to 130 million dozens of eggs that go out of Iowa each year were hennery eggs, the retail price would not be quite so high in the East, but on the other hand, we are satisfied that the consumption of eggs would be materially increased. Canada, it is claimed, has increased her consumption since her government has compelled all eggs marketed to be bought and sold on a grade basis 100%. An increase of consumption in

this country of at least 25% would be fully enough to take care of any surplus that we may have at times.

Two industries have been added to the egg business that now have to be reckoned with. The egg breaking plants of the state consumed last year seven million dozen. Quite a portion of this would otherwise have gone in a secondary grade. This industry has done much to increase the value of the No. 2 eggs during the spring months. On the other hand, the hatching of baby chicks, by incubation, has grown to such an extent that it is estimated that our 500 commercial hatcheries last year took out of the channels of trade between 4 and 5 million dozens of eggs, these of course were of the best grade, and therefore were an offset to the advantage gained by the purchases of the egg breaking plants.

It is estimated that during the storage season, March to June, 120 million dozen eggs go to the breaking establishment, and 108,500,000 dozen eggs go into cold storage in this country. The value of these eggs, either frozen or stored, depends largely on the quality of the eggs. This quality we are going to get here in Iowa in only one way, and that is, by making a difference in price between the kind of an egg that the public wants and is willing to buy, and the kind of an egg we are prone to produce, and are trying to induce and force the public to buy.

The following tabulations compare the total production of eggs and their farm value for this year, with the last five years:

YEAR	NO. DOZEN	VALUE
1922	159,720,000	\$32,423,160.00
1923	175,000,000	42,250,000.00
1924	154,000,000	35,728,000.00
1925	150,000,000	41,325,000.00
1926	160,000,000	44,400,000.00
1927	170,000,000	36,337,500.00

AVERAGE PRICE PAID FARMER

During	March, April, May, June.....	1922	18.50c
	for remaining months.....	1922	24.50c
	the entire year.....	1922	23.83c
"	March, April, May, June.....	1923	20.25c
	for remaining months.....	1923	30.00c
	the entire year.....	1923	26.75c
"	March, April, May, June.....	1924	19.00c
	for remaining months.....	1924	33.00c
	the entire year.....	1924	28.33c
"	March, April, May, June.....	1925	25.00c
	for remaining months.....	1925	35.50c
	the entire year.....	1925	32.66c
"	March, April, May, June.....	1926	23.50c
	for remaining months.....	1926	31.00c

During the entire year.....	1926	37.20c
" March, April, May, June.....	1927	18.00c
for remaining months.....	1927	29.25c
the entire year.....	1927	25.00c

AVERAGE MONTHLY PRICE PAID

	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

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

The legislature, for 1927, went so far toward an egg grading law as to establish five grades for eggs. These grades were not compulsory. But they did define a fresh egg (a much misused word in retailing eggs) and also an extra quality egg (known in the East as a nearby henner egg) called Special Grade 1. No one selling eggs can use the word "Fresh" or the words "Special Grade 1" unless the eggs so labeled comply with the law. The remaining three grades are designated as Grade 1, Grade 2 and Grade 3. These grades were made to conform to the tentative U. S. grades. Buying eggs according to these grades would do much to improve the average quality of the Iowa eggs.

A copy of the Iowa law follows:

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 requirements 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.

SANITARY AND FOOD LAWS

Anyone whose memory can carry him back twenty-five to thirty years and recall the inside appearance of our stores, bakeries, creameries, restaurants and hotels, and the conditions under which they were operated, can readily vouch for the vast improvement that there has been since then in the sanitary handling of all our foodstuffs. Owing to the rapid changes that have taken place, in the preparing of what we eat, so much being done outside of the home, our food and sanitary laws were enacted none too soon.

A population, two-fifths of which was at one time on the farm, is now in the city or town. The large roomy kitchen is getting smaller, and in our large cities is being replaced by the kitchenette, as so much of the work formerly performed there is now done in some food preparing establishment.

It has become absolutely necessary that the public have some assurance that the food they purchase comes from wholesome raw material, and is prepared and sold under sanitary conditions.

A gradual change has been taking place in the manner of selling much of our food. That long row of bins back of the counter that contained such quantities of our food products in bulk has disappeared. The contents of those bins are still on sale, but the merchant hands it to you already packed in a neat package, properly labeled as to what it contains, how much it contains, and who is responsible for it. The net weight on the package takes the place of the former weighing and wrapping, and saves time. The self serving and chain stores run largely to the package or container in handling their merchandise, and the public seems to like it. It costs more perhaps, but the buying public continues to show its appreciation of a quality product of full weight or measure put up in a nice, clean package.

There are some 20,000 places in the state where food is prepared or sold. There were 39,325 inspections made of these establishments last year. That most of those operating these places were endeavoring to be law abiding is indicated by the few prosecutions found necessary. During the year 239 prosecutions were made for violating our sanitary and food laws.

After the District of Columbia court decision, which rules that a colored product called Nu-nine was not subject to the Internal Revenue tax of 10 cents per pound for colored Oleomargarine, a Kansas City firm manufacturing Rich-nut Oleomargarine, sent into Iowa a product which had all the appearances of their Oleomargarine but was called "Shortening" and was sold as a cooking compound. F. L. Odell, one of our inspectors, was authorized to file a case against a merchant in Truesdale, Iowa, who persisted in selling this product after being informed it was contrary to our law. The case was tried at Storm Lake. The merchant was represented by a Sioux City lawyer employed by a jobbing firm of Sioux City. The state was represented by C. E. Pendleton, County Attorney of Buena Vista County, and Earl F. Wisdom of the attorney general's office. When it was found that we really meant to try the case, the Sioux City attorney, who represented the manufacturers of this product, agreed to pay all costs of the trial and to have this product withdrawn from sale within the state. This proposal was accepted by the State Department.

HOTELS AND RESTAURANTS

Since July 1, 1923, when restaurant and hotel inspection was placed under our supervision, we have endeavored each year to make our inspection of these places more thorough and more efficient. We find that the majority of hotels and restaurants try to comply with the law and are more than anxious to comply with whatever request our inspectors may suggest. During the past year a number of new hotels have been built in this state, and judging from the plans submitted to the Labor Commission for their approval, the hotel men are striving to give the public the best service and accommodations possible. Few complaints have been received the past year from the traveling public, or the Grievance Committee of the Traveling Men's Association, which indicates better inspection service on the part of the department, and better co-operation on the part of the hotel men.

There are three factors to be checked in inspecting hotels and restaurants; sanitation, pure food and cleanliness. This means constant care and frequent visits. During the year 1927, 1,533 hotels and rooming houses were inspected, and the majority were found to be complying with the law. There are, of course, always a few who lag behind the standard, and these require constant attention from our inspectors. In some cases where parties are ex-

tremely negligent, the department has refused to issue them a license until they have complied with the inspector's request. There were 1,403 hotels licensed in 1927. The license fee for hotels of fifteen rooms or less is \$4.00; more than fifteen room and less than thirty-one rooms, \$6.00; more than thirty rooms and less than seventy-six rooms, \$8.00; more than seventy-five and less than one hundred fifty rooms, \$10.00; one hundred fifty rooms and upward, \$15.00.

In close connection with the hotels are the restaurants. Under the head of restaurant comes the lunch counter, lunch wagon, cafeteria, cafe, dining hall, in fact, any place where food is served to the public for pay. It is the duty of the inspector to see that the restaurants prepare and serve the best of food in the most sanitary manner possible, and in very few cases has it been necessary to refuse a party a license. The busiest time in restaurant inspection is during the summer months, as all lunch stands are required to have a license. Most of these stands are operated in the open at carnivals, circuses, fairs, and by the roadside; and it involves upon the inspector to see that the food products are protected from dirt and contamination.

There were 1,265 lunch stand licenses, and 3,819 restaurant licenses issued, and 10,431 inspections made on restaurants during 1927. The license fee for restaurants and lunch stands is three dollars. A hotel license covers the operation of the dining room or cafe in connection with a hotel, provided they are in the same building and under the same management.

AGRICULTURAL SEEDS

During 1927 the department collected and analyzed 2,630 samples of seed. This work is considered well worth while as each year there is a notable improvement in the quality and labeling of seed being sold here in the state.

It was necessary during the year to prosecute a few cases for the sale of illegal seed, much less than was found necessary in 1926. The Iowa Seed Law is considered very exacting but reputable dealers are striving to meet its requirements.

We here give what is required on the label of all packages of seeds sold in Iowa:

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 grownWhere 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, Dodders, singly 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.

A full text of the Iowa Seed Law may be had by writing the Iowa Department of Agriculture.

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

COMMERCIAL FEEDS

Before any commercial feed can be put on sale the person who desires to offer it for sale shall pay the department annually a registration fee of fifty cents, accompanied by an affidavit that the items required by law are printed on the label. Payment of the inspection fee, provided by law, by the manufacturer or importer exempts all other persons from such payment.

The law also requires that an inspection fee of ten cents a ton shall be paid on all commercial feeds by attaching a tag to each package or container. Tags for this purpose can be procured from the department which issues them in denominations suitable for all quantities.

Any person purchasing any commercial feed in this state for their own use may submit fair samples of said seed to the department for analysis by paying one dollar for same.

The records in the department show that there is a constantly increasing use of ready prepared feeds. In 1927 there was registered for sale in Iowa 1,451 feeds as compared with 1,208 in 1926. There was also an increase in the number of mineral mixtures and 135 stock tonics registered as compared with 172 and 119 respectively for 1926.

We again stress the importance to the purchaser of feeds, in noting the information on the label of feeds which he buys or is contemplating buying. The law requires this information to be given for the benefit of the purchaser and he should take advantage of this information. With this information and simple mathematics he can determine which feed is the cheaper for his purpose.

A product made from the food portions or garbage from some of our large cities is being offered for sale quite extensively in this state. It seems impossible to manufacture this product without the inclusion of small amounts of finely broken glass and some complaint comes from this fact. The manufacturer is using every possible means to eliminate this glass by picking over the garbage but no doubt small pieces escape into the finished product. In general this product is made by picking from the city garbage scraps of meat, bone, vegetables and bread and these are cooked and ground. The protein in these products amounts to about 16% and in some cases feeds such as oil meal and tankage are mixed with them.

The proper name for a product made from garbage is Processed

Garbage. It is not a tankage, as this name applies to a definite product of the packing house.

In buying these products the feeder should compare the cost with the analysis of this and packing house tankage.

WEIGHTS AND MEASURES

C. S. BOGLE

This Department has completed fifteen years of operation, first as an integral part of the Dairy and Food Commission and later under the Dairy and Food Division of the Agricultural Department. Many changes have taken place since this agency of state government was established. The work of quantity regulation, which was at first taken up in a small but efficient way, has grown extensively, and the scope of activities now embraces practically every form of business enterprise wherein the factor of quantity determination forms a part. Nearly every known commodity entering into the every-day lives of the citizens of Iowa is now subject to weights and measures supervision from a quantity standpoint. Those that are not, will, eventually, be gathered into the fold, when the interests that keep them outside become imbued with a spirit of fairness and adopt honesty as the best policy for business reasons, if not as a moral issue.

The department has been educating the public to use correct buying methods, the cardinal principles of which are to buy by definite quantity and to check amounts received, and to buy by weight whenever possible. The public should provide themselves with reliable weighing and measuring devices for use in their own households, and, finally, should take the same exception to a shortage in the amount of commodity delivered to them, as to a discrepancy in the amount of money returned to them in change. To look with suspicion upon any departure from well-recognized methods of quantity determination; to expect the same sort of quantity determination from the peddler or transient vendor, as is demanded from the established merchant; to recognize their own responsibility in the matter of correct buying methods; and to report to the Secretary of Agriculture, Weight and Measure Department, full information regarding any violation of the Weights and Measures Law, not alone for their personal protection but also for the protection of the community at large.

The department devotes considerable time to investigating complaints relative to short weight and misbranded food commodities. Many unwarranted complaints are received based on misunder-

standing of facts, ignorance of rights or even personal animus, but the official must not permit a knowledge of this fact to engender laxness in his attention to complaints, or in his investigations, because real trouble may be found in the most questionable-appearing complaint which may lead to the uncovering of the most serious conditions.

Getting the facts is not alone a matter of observation and asking questions, although keen observation and intelligent questioning have a great deal to do with it; but it is frequently necessary to trace cause from effect, or vice versa, where the connection is not obvious, to follow involved and faintly marked trails of evidence, to study and analyze manufacturing, industrial, or marketing processes. Then in combination with this, we must have an impartial, open-minded attitude, and freedom from a tendency to form hasty conclusions.

Closer application of the laws affecting weights and measures, together with a more careful inspection of the instruments found in use, has brought about a decided improvement. There is more frequent checking of the weights of commodities purchased by the housewife. This is evident from the fewer complaints received by the department as to short weight. The inspectors make frequent check on the various commodities put up in package form, to determine the correct weight, also inspect the merchants' scales to determine their accuracy.

During the year ending December 31, 1927, the department inspected 78,299 scales and measuring devices. There is an inspection made of all scales and measuring devices at least once during the year, retesting as often as possible. Of the total number of scales tested, 996 were condemned for repairs, there were also 13,501 gasoline pumps and measures tested, of which 956 were condemned for repairs and adjustment. The following table shows the percentage of scales tested that were found incorrect, this does not show the number which were adjusted by the inspector at the time of inspection.

	TESTED	CONDEMNED	PER CENT
Wagon Scales	3,978	394	9.9
Counter Scales	36,808	396	1.1
Platform Scales	13,956	111	.8
Cream Test Scales	9,409	50	.5
Penny-in-Slot Scales	647	45	6.9
Gasoline Pumps and Measures	13,501	956	7.

NEW LEGISLATION

For the protection of the public, the standard weight Bread Law was adopted by the last Legislature. The law requires loaves of bread to conform to certain standards as to weight, and requires the branding of bread. All bread manufactured, offered or exposed for sale, or sold in the form of loaves, shall be one of the following standard weights and no other, namely; one-half pound, one pound, one and one-quarter pound, one and one-half pound, or multiples of one pound, avoirdupois weight. There shall be printed upon the wrapper of each loaf of bread in plain conspicuous type, the name and address of the manufacturer, and the weight of the loaf in terms of one of the standard weights herein specified.

Many bakeries had a large supply of wrappers on hand. Six months' time was given to use up their supply, and at the end of six months an extension was granted for six months longer in order that the bakeries may not suffer any loss by having to discard their wrappers left on hand.

FUEL AND ICE

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

STANDARD WEIGHTS

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

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

	1 bushel pounds	1 peck pounds	1 quart ounces
Apples	48	12	24
Apples, dried	24	6	12
Alfalfa seed	60	15	30
Barley	48	12	24
Beans, green	56	14	28
Beans, dry	60	15	30
Beans, lima	56	14	28
Beets	56	14	28
Bluegrass seed	14	3½	7
Bran	20	5	10
Bromus inermis	14	3½	7
Broom corn seed	50	12½	25
Buckwheat	48	12	24
Carrots	50	12½	25
Castor beans	50	12½	25
Charcoal	20	5	10
Cherries	40	10	20
Clover seed	60	15	30
Coal	80	20	40
Coke	40	10	20
Corn, ear	70	17½	35
Corn, unhusked	75	18½	37½
Corn, shelled	56	14	28
Corn meal	48	12	24
Cucumbers	48	12	24
Emmer	40	10	20
Flax seed	56	14	28
Grapes, stems	40	10	20
Hemp seed	44	11	22
Hickory nuts hulled	50	12½	25
Hunkarian seed	50	12½	25
Kaffir corn	56	14	28
Lime	80	20	40
Millet seed	50	12½	25
Oats	32	8	16
Onions	32	8	16
Onion top sets	28	7	14
Onion bottom sets	32	8	16
Orchard grass seed	14	3½	7
Osage orange seed	32	8	16
Parsnips	45	11¼	22½
Peaches	48	12	24
Peaches, dried	33	8¼	16½
Peanuts	22	5½	11
Pears	45	11¼	22½
Peas, unshelled	50	12½	25
Peas, dried	60	15	30
Plums	48	12	24
Pop corn, cob	70	17½	35
Pop corn, shelled	56	14	28
Potatoes	60	15	30
Quinces	48	12	24
Rape seed	50	12½	25
Redtop seed	14	3½	7
Rutabagas	60	15	30
Rye	56	14	28
Salt	80	20	40
Sand	130	32½	65
Shorts	20	5	10
Sorghum seed	50	12½	25
Speltz	40	10	20
Sweet corn	50	12½	25
Sweet potatoes	50	12½	25
Timothy seed	45	11¼	22½
Turnips	50	12½	25
Walnuts	55	13¾	27½
Wheat	60	15	30
All root crops not specified above	50	12½	25

1 dry qt.—67.2 cu. ins. 1 liquid qt.—57.75 cu. ins. A dry qt. holds 14 per cent more than a liquid qt. Dry commodities must be sold by weight or dry measure.

WEIGHTS OF MILK AND CREAM

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

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

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

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

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

CANNING INDUSTRY

Unlike most of Iowa's agricultural projects, the packing of our canned goods is on the decrease. In 1926 we packed 18 per cent less than in 1925. In 1927 our pack of 1,621,000 cases was a de-

crease of 50 per cent less than 1926. The average price paid the farmer in 1927 is practically the same as the year before, \$10.33 per ton. The cause of this decrease in the pack is said to be, by Mr. Clapper, President of the Iowa-Nebraska Canning Association, a restriction of their marketing territory, due to competition that circumstances prevent them from meeting.

We are here giving a complete directory of all canners and packers in the Iowa-Nebraska Association, recently revised for 1927; also the key to the letters indicating the nature of their pack.

CODE

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

IOWA

Ames Canning Co. Ames. A.
Anderson Bros. Canning Co. Oskaloosa. A-C-F.
Atlantic Canning Co. Atlantic. A-F.
Audubon Canning Co. Office—Mt. Pleasant. A.
Factory—Audubon.
Baxter Bros. Co., The. Office—Brunswick, Me. A-N.
Factory—Wapello.
Bell Canning Co. Office—Waterloo. A.
Factories—Grundy Center, Reinbeck.
Belle Plaine Canning Co. Belle Plaine. A.
Burlington Vinegar & Pickle Works. Burlington. t-pickles.
Cambridge Canning Co. Cambridge. A.
Carnation Milk Products Co. Office—Oconomowoc, Wis. m.
Factory—Waverly.
Caster Canning Co. Leon. C.
Cedar Falls Canning Co. Cedar Falls. A.
Cedar Rapids Canning Co. Cedar Rapids. C-E-Q-p.
Center Point Canning Co. Center Point. A.
Clarksburg Canning Co. Clarksburg. A.
Columbus Canning Co. Columbus Junction. C.
Cudahy Packing Co., The. Office—Chicago, Ill. M.
Factory—Sioux City.
Dennire, L. E. Office—Montrose. C-Z.
Factories—Montrose, Farmington, Sandusky.
Virgen-Richards Canning Co. Dexter. A-F.
Elgin Canning Co. Elgin. A.
Farmer Canning Co., J. Le Roy. Office—Monticello. A.
Factories—Monticello, Tipton.
Farmer Canning Co., S. T. Story City. A.
Farmer Canning Co., V. F. Mt. Pleasant. A.

Glenwood Canning & Fruit Pro. Co. Glenwood. C.
Grimes Canning Corp. Office—1220 Southern Surety Bldg., A-F-I.
Factories—Altoona, Grimes, Pella, Des Moines, Perry, Rockwell City
Grinnell Canning Co. Grinnell. A.
Guttenberg Canning Co. Guttenberg. A.
Independence Canning Corp. Independence. A.
Iowa Canning Co. Vinton (office.) A.
Factories—Vinton, LaPorte City, Garrison, Shellsburg.
Iowa City Canning Co. Iowa City. A.
Iowa Valley Canning Co. Marengo. A.
Keokuk Canning Co. Office—Keokuk. C-pickles.
Factories—Fort Madison, Keokuk.
Lake Mills Canning Co. Lake Mills. A-C.
Marshall Canning Co. Office—Marshalltown. A-B-C-F-K-I.
Factories—Marshalltown, Roland, Hampton, Ackley, Waverly.
Merrell Canning Co. Harlan. A.
Morrell & Co., John. Ottumwa. M-u.
Otoe Food Products Co. Office—Nebraska City, Neb. A.
Factory—Hamburg.
Penick & Ford, Ltd., Inc. Office—New Orleans, La. w.
Red Oak Canning Co. Red Oak. A.
Riverside Canning Co. Hamburg. C-D-E-F-Q-k-p.
Root Canning Company, A. L. Office—Medina, Ohio. h.
Factory—Council Bluffs.
Sac City Canning Co. Office—Sac City. A.
Factories—Sac City, Storm Lake.
Smith, P. G. Office—Keokuk. C-D-P-p-pickles.
Factories—Montrose, Croton.
Tripoli Canning Association. Tripoli. A.
Virgen Cannery. Office—Grinnell. A-F.
Factory—Gilman.
Forest Canning Co. Forest City. A.
Waterloo Canning Co. Office—Waterloo. A.
Factories—Waterloo, Dyersville, Dysart.
Weir Canning Co. Office—Toledo. A.
Factories—Toledo.
Woerman Pickle & Canning Co., H. A. Office—\$27 S. 11th St., St. Louis, Mo. C-E-F-K-P-Z-i-p-r-t-pickles.
Factory—Farmington.
Zeigler Canning & Preserving Co. Muscatine. C-F-K-P-i-p-r-t.

NEBRASKA

Auburn Canning Co. Auburn. A-F.
Blair Canning Co. Blair. A.
Cudahy Packing Co. Office—Chicago, Ill. M.
Factory—Omaha.
Farrell & Company. Omaha. w.
Fremont Canning Co. Fremont. a.
Grand Island Canning Co. Grand Island, Neb. a.
Morris & Company. Columbus. A-C.
Klaus & Moerssen. 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

An unusually large variety of samples, which come under the laws enforced by the department, have been analyzed during the year. Nearly 200 samples of sweet pickles were analyzed. One manufacturer was found using saccharine as an artificial sweetener and was prosecuted and fined \$100.00. He also was required to remove all of his illegal product from the shelves of the retailer.

Many of our men in the field have paid special attention to securing samples of butter made by our creameries and sending them to the laboratory for analysis. Altogether, last year, 935 butter samples were analyzed. We here give the results of our work in analyzing these samples for fat content, moisture, salt and casein.

FAT

3 samples	contained	73% fat
1 sample	contained	76% fat
7 samples	contained	77% fat
13 samples	contained	78% fat
71 samples	contained	79% fat
166 samples	contained	80% fat
257 samples	contained	81% fat
196 samples	contained	82% fat
90 samples	contained	83% fat
32 samples	contained	84% fat
11 samples	contained	85% fat
4 samples	contained	86% fat

MOISTURE

4 samples	contained	11% moisture
7 samples	contained	12% moisture
44 samples	contained	13% moisture
122 samples	contained	14% moisture
318 samples	contained	15% moisture
253 samples	contained	16% moisture
83 samples	contained	17% moisture
19 samples	contained	18% moisture
3 samples	contained	19% moisture
4 samples	contained	20% moisture
1 sample	contained	21% moisture
1 sample	contained	23% moisture
1 sample	contained	24% moisture

SALT

19 samples	contained less than	1% salt
218 samples	contained from	1% to 2% salt
434 samples	contained from	2% to 3% salt
141 samples	contained from	3% to 4% salt
6 samples	contained from	4% to 5% salt
1 sample	contained from	5% to 6% salt

CASEIN

526 samples	contained less than	1% casein
320 samples	contained from	1% to 2% casein
14 samples	contained from	2% to 3% casein

AVERAGE ANALYSIS

Fat	\$1.07
Salt	2.34
Casein	1.01
Moisture	15.60

Out of these 935 samples analyzed only 1% was found to contain less than the legal amount of fat, and a small fraction over 1% of excess moisture. This we consider a very good showing and indicates that our creameries are being given close attention.

The total number of food samples analyzed is here given:

Butter	935
Milk and Cream	825
Stock Foods	125
Ice Cream	146
Miscellaneous	876

INSPECTION SERVICE

An important part of the Dairy and Food Division of the Agricultural Department is its inspection service. Laws are not self-enforcing and it is not enough that our legislature has given us the twenty-nine laws that if properly adhered to would put our food and dairy establishments beyond criticism. Our business world is not yet 100% perfect. Each line has its per cent of slackers,—men, who through carelessness, ignorance or malicious intent, are constantly defrauding or jeopardizing the health of the public. It is to protect our people as well as the honorable and conscientious merchant, from these transgressors of our rules and department regulations, that thirty-three specially trained men under the direct charge of a chief inspector are kept constantly in the field. We can say, to the credit of our merchants and food producers, that these offenders represent a small per cent of the trade.

Three of these inspectors traveling in Dodge and Buick cars carry a complete scale testing outfit, including 500 pounds of weights. They test all wagon, large platform, grain and coal scales, as well as check up on all commodities sold by the load, such as grain, coal, etc. The remaining thirty attend to all the inspection work in their own territories, required by the laws and regulations enforced by this division. These thirty men travel in Ford coupes and the department must be pardoned if "it points with pride" to the record that has been made in the maintenance of these cars, through its purchasing contracts of oil, gasoline and supplies, and the careful handling of the cars by the men themselves.

We here give a summary of the record the department cars made during the last four years:

Total Expense for the last four years.....	\$ 73,189.03
Total Miles traveled for the last four years.....	170,256 miles
Average Cost per mile (.041).....	.041
Average Miles per car per year.....	12,898 miles
Total Depreciation on 33 cars.....	\$ 19,588.10
Depreciation per mile (.0115).....	.0115
Oil per mile (20/100 cents).....	.0029
Gas per mile (1 10/100 cents).....	.0110
Tires and Tubes per miles (33/100 cents).....	.0023
Repairs per mile (90/100 cents).....	.0099
Storage per mile (42/100 cents).....	.0042
Total Cost per mile (4 1/10 cents).....	.0410

Under the heading of "Total Inspections Made," there is given the number of inspections for the years 1924, 1925, 1926 and 1927. Also the number of inspections made during the last year before the consolidation by the various departments then working separately. We consider the record our men have made and are making a creditable one.

MISCELLANEOUS WORK

	1924	1925	1926	1927
Number of Meetings Attended.....	702	487	558	645
Number of Complaints Investigated.....	2,389	2,271	2,537	1,156
Number of Samples Collected.....	5,848	5,346	12,099	2,943
Number of Samples Tested.....	13,215	14,270	10,583	16,035
Number of Prosecutions.....	406	313	286	311
Number of Examinations given.....	1,387	545	1,568	1,316
	23,947	24,232	27,631	27,406

TOTAL INSPECTIONS FOR THE YEAR ENDING
DECEMBER 31, 1924, 1925, 1926 and 1927

	1924	1925	1926	1927
Counter Scales.....	33,824	43,339	39,059	36,808
Groceries.....	16,472	19,468	19,263	19,836
Platform Scales.....	14,903	17,890	16,260	13,956
Gasoline Pumps and Measures.....	8,434	12,707	12,015	13,501
Produce Houses.....	10,051	10,543	11,475	12,593
Cream Test Scales.....	8,969	10,837	10,237	9,409
Cream Stations.....	8,556	10,004	10,269	10,530
Meat Markets.....	7,839	9,535	9,474	10,158
Restaurants.....	8,343	9,462	10,305	10,431
Oil.....	7,389	7,428	7,724	8,069
Wagon Scales.....	3,426	3,795	3,478	3,978
Creameries.....	2,332	2,690	2,490	2,534
Confectionery.....	2,049	2,413	3,155	3,430
Farm Dairies.....	1,672	1,955	1,096	2,485
Bakeries.....	1,502	1,729	1,419	1,788
Hotels.....	1,547	1,625	1,816	1,533
Feed Stores.....	876	1,392	1,990	2,777
Miscellaneous.....	815	1,100	1,452	917
Ice Cream Factories.....	877	958	1,013	897
Slaughter Houses.....	684	940	933	1,023
Dairymen.....	1,259	809	896	263
Coal Dealers.....	172	602	551	450
Milk Wagons.....	943	500	430	1,670
Seed Dealers.....	209	245	536	652

Bottling Works.....	303	237	241	256
Rendering Plants.....	222	164	263	281
Penny-in-the-Slot Scales.....	296	146	636	647
Wholesale Groceries.....	122	103	161	211
Elevators.....	64	96	141	7
Investigations.....				845
Toilets.....				246
Canning Factories.....				135
Soda Fountains.....				113
Cold Storage Plants.....				3
Mattress Factories.....				2
	144,151	172,712	168,778	172,384

TOTAL INSPECTIONS THE LAST YEAR BEFORE CONSOLIDATION

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

DAIRY AND FOOD DIVISION—YEAR ENDING DECEMBER 31, 1927

Office Force	Salary	Expense
B. G. Clark.....	\$ 3,000.00	\$ 100.00
B. O. Brownlee.....	3,200.00	701.20
E. L. Redfern.....	3,000.00	157.70
C. S. Bogle.....	2,450.00	25.11
R. C. Meehan.....	2,100.00	
A. W. Day.....	2,250.00	51.32
R. V. Barker.....	1,550.00	
Agnes Hermannsen.....	1,357.50	
Evelyn Reed.....	1,460.00	
Helen Hackley.....	900.00	
Mildred Lidell.....	1,320.00	
Ann Murphy.....	750.00	
Kathryn Shannon.....	840.00	
H. Van Meter.....	141.33	
W. J. Van Meter.....	375.00	
F. E. Wells.....	800.00	
D. M. Seath.....	174.38	
W. W. Shaffer.....	150.00	
A. J. Newquist.....	750.00	
Inspectors:		
J. B. Frisbie.....	2,300.00	705.23
F. L. Odell.....	2,300.00	654.79
T. A. Clarke.....	2,300.00	619.23
Guy Thomas.....	2,300.00	286.82
Roy Scoles.....	2,300.00	905.16
C. N. Hart.....	2,300.00	809.00
D. T. Broers.....	2,300.00	569.26
G. H. Guthrie.....	2,300.00	701.13
F. D. Payn.....	2,300.00	646.38
Burr Willis.....	2,300.00	607.58
A. A. Nolte.....	2,300.00	734.46
L. E. Otterback.....	2,300.00	655.29
J. W. Milnes.....	2,300.00	772.48
R. E. Long.....	2,300.00	814.45
S. S. Hygh.....	2,300.00	963.07
B. F. Carrier.....	2,300.00	650.46
B. F. Schultz.....	2,300.00	882.54
Elmer J. Reed.....	2,075.00	741.59
J. D. Fiete.....	2,325.02	1,106.54
A. L. Landis.....	2,300.00	503.25
F. W. Stephenson.....	2,500.00	693.16
W. W. Newland.....	2,300.00	485.90
A. E. Robertson.....	2,300.00	794.31
Peter White.....	2,300.00	579.27

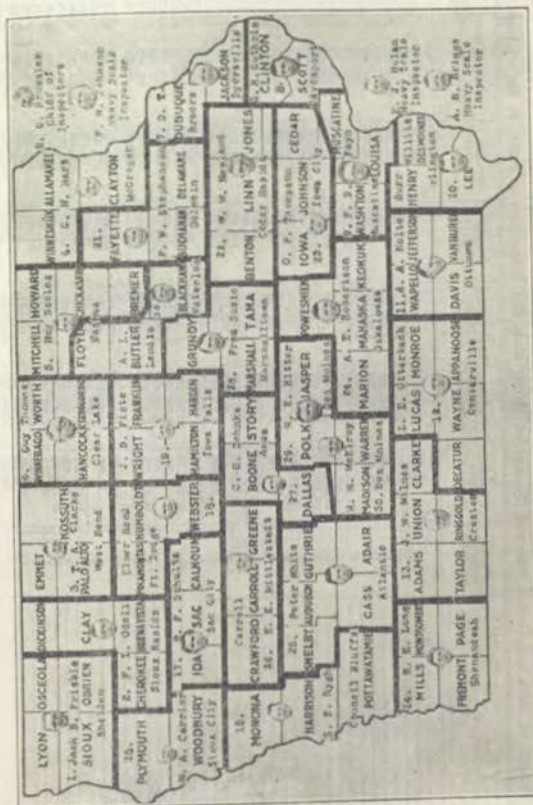
DAIRY AND FOOD DIVISION—YEAR ENDING DECEMBER 31, 1937
Continued

Office Force	Salary	Expense
E. E. Mittelstadt.....	2,300.00	85.13
C. F. Behnke.....	3,675.00	1,041.00
Fred Nisse.....	2,300.00	70.00
H. E. Ritter.....	2,300.00	70.00
H. W. McElroy.....	2,300.00	70.00
E. J. Nolan.....	5,800.00	1,557.00
A. B. Briggs.....	2,300.00	1,280.00
F. W. Johnson.....	2,300.00	1,280.00
O. P. Thompson.....	2,300.00	1,280.00
Expenses:		
General Office and Laboratory Expense.....		4,624.00
New Automobiles.....		3,840.00
	\$ 100,574.18	\$ 40,346.13

LICENSES ISSUED AND FEES RECEIVED YEAR ENDING
DECEMBER 31, 1927

Oil Inspection Fees (Bbls.)	No.	1,195.45	\$ 58,221.48
Sanitary Law Licenses	No.	5,972	17,316.00
Babcock Test Licenses	No.	4,987	12,467.50
Egg Dealers' Licenses	No.	8,336	8,336.00
Scale Tag Licenses	No.	2,312	6,936.00
Scale Inspection Fees	No.	4,377	13,132.00
Feed Inspection Fee Tags (Tons)	No.	394,798	39,479.80
Milk Dealers' Licenses	No.	6,742	6,742.00
Gasoline Pump Licenses	No.	11,488	34,464.00
Hotel Transfer Fees	No.	64	64.00
Hotel Licenses	No.	1,403	7,736.00
Fair Restaurant Licenses	No.	1,265	3,795.00
Restaurant Licenses	No.	4,209	12,627.00
Commercial Feed Fees	No.	1,809	1,788.00
Feeding Stuffs Analysis Fees	No.	109	109.00
Seed Analysis Fees	No.	276	123.00
Commercial Fertilizer Licenses	No.	184	4,900.00
Cold Storage Licenses	No.	26	650.00
Commercial Fertilizer Fees	No.	51	1,920.00
Iowa Butter Trade Mark (Stamps)	No.	2	60.00
Mattress Inspection Fees	No.	10	10.00
Poultry Licenses	No.	3,693	3,693.00
Lime Analysis	No.	12	12.00

\$226,094.75



THE AGRICULTURAL DEPARTMENT

Counties	No. of Creameries Reported	Pounds of Milk Received	Pounds of Cream Received	Lbs. of Butter Manufactured	Pounds Sold in Patrons	Pounds Sold in Iowa	Pounds Sold Outside of Iowa	Total Value
Adair	1	20,417	1,835,861	760,615	45,350	73,494	641,171	\$ 327,328.79
Adams	1		6,440,000	178,500	3,500	12,000	163,000	71,000.00
Allamakee	1	386,000	5,145,000	2,469,886	82,778	151,723	2,322,128	1,084,884.77
Appanoose	1	208,404	2,532,584	1,087,177	42,000	350,000	10,000	880,042.61
Ashtabula	4	73,000	4,053,331	1,571,632	42,955	207,000	800,366	471,492.32
Black Hawk	1	16,266,253	28,383,142	2,839,185	240,276	637,576	1,548,470	1,779,878.15
Boone	3	2,217,076	1,242,987	184,566	7,887	815,428	1,348,428	1,479,462.31
Bremet	21	46,918,791	5,924,359	2,491,352	231,094	339,016	1,890,811	1,305,704.48
Buena Vista	1	17,119,917	9,035,650	3,792,723	21,466	241,646	1,301,455	1,015,940.85
Butler	5	6,612,623	2,512,000	1,496,501	60,568	106,082	869,404	381,588.63
Calhoun	11	31,000	13,501,292	2,884,317	119,162	146,634	2,415,613	1,201,312.92
Carroll	4	91,000	3,383,397	3,383,397	70,415	700,763	438,149.17	438,149.17
Cedar	2	129,166	8,133,259	3,383,397	50,415	1,807,269	1,414,000.08	1,414,000.08
Delaware	2	139,975	3,254,169	1,702,816	3,000	8,413	1,288,745	111,100
Des Moines	11	6,602,439	4,880,025	1,812,349	120,407	406,769	1,288,745	1,414,000.08
Dickinson	0		611,232	3,001,656	104,097	498,769	2,530,191	1,414,000.08
Dickinson	1	2,575,046	8,474,333	2,676,095	159,800	168,329	2,468,042	1,038,714.04
Drake	3		9,181,270	307,542	13,344	29,884	297,542	150,017
Emery	38	19,001,324	11,188,762	5,750,314	38,584	38,584	3,940,718	88,500.01
Emery	8	5,504,547	9,680,755	3,570,346	38,584	38,584	3,940,718	88,500.01
Fayette	1	24,550	4,908,058	2,397,137	57,019	1,013,087	1,013,087	1,013,087
Floyd	3	10,907,191	1,441,826	576,800	15,000	359,722	302,968	353,000
Franklin	1		100,180	36,658		18,058	18,058	18,058
Grant	11	607,280	11,459,432	3,071,375	189,249	111,778	2,775,585	1,500,618.11
Grant	4	30,000	5,002,700	1,902,700	27,710	417,301	234,506	448,658.56
Hamilton	17	13,070,110	10,397,382	4,543,460	9,820	635,574	2,015,208	903,767.74
Hancock	1	794,896	2,393,423	849,335	48,712	107,658	1,080,516	1,080,516
Harrison	18	31,861,703	4,607,045	5,746,932	366,097	388,782	4,252,582	2,400,670.78
Harrison	4	68,000	5,631,448	2,312,719	241,844	147,305	3,851,489	854,680.36
Howard	2	439,160	490,000	122,063	8,443	71,073	3,851,489	854,680.36
Humboldt	1		11,459,432	3,071,375	189,249	111,778	2,775,585	1,500,618.11
Iowa	1		11,459,432	3,071,375	189,249	111,778	2,775,585	1,500,618.11
Jackson	1		11,459,432	3,071,375	189,249	111,778	2,775,585	1,500,618.11
Jefferson	1		11,459,432	3,071,375	189,249	111,778	2,775,585	1,500,618.11
Johnson	1		11,459,432	3,071,375	189,249	111,778	2,775,585	1,500,618.11
Jones	1		11,459,432	3,071,375	189,249	111,778	2,775,585	1,500,618.11
Kossuth	13	1,047,859	7,622,322	2,639,986	218,398	358,122	2,215,264	1,196,251.14
Lee	4	1,237,457	10,412,584	7,841,603	10,077	413,727	1,013,727	1,013,727
Lee	10	6,512,800	3,581,554	69,124	130,748	2,775,585	1,775,585	1,775,585
Louis	1		941,372	324,068	30,786	21,678	278,326	15,421.24
Lyon	1	74,596	941,372	324,068	30,786	21,678	278,326	15,421.24
Madison	1		877,220	329,306	3,600	271,680	62,225	145,987.02
Malhaska	1	1,003,160	1,003,160	384,354	3,600	191,650	355,252.81	355,252.81
Marion	1	106,156	1,003,160	384,354	3,600	191,650	355,252.81	355,252.81
Mitchell	1	602,090	2,127,077	2,127,077	96,988	328,711	1,805,366	880,545.94
Mitchell	1	60,237	8,097,476	2,427,049	129,098	1,414,230	9,414,230	880,545.94
Montgomery	1	514,768	1,858,623	739,109	1,650	175,650	514,769	318,000.58
Muscatine	1	46,991	5,671,529	2,129,455	37,783	462,653	1,666,093	607,912.95
O'Brien	1	445,080	4,002,048	1,523,900	291,294	36,190	1,154,607	658,410.38
Oceola	1		4,000,000	1,401,579	18,642	86,280	1,594,657	658,410.38
Pack	1	135,200	4,000,000	1,401,579	18,642	86,280	1,594,657	658,410.38
Pack	1	135,200	4,000,000	1,401,579	18,642	86,280	1,594,657	658,410.38
Palo Alto	1	941,372	3,101,129	1,111,256	22,765	12,146	60,343	47,300.34
Plymouth	1		310,129	1,111,256	22,765	12,146	60,343	47,300.34
Pocahontas	1	61,654	300,017	254,243	6,100	135,264	95,733	101,651.66
Polk	1	375,000	17,226,624	6,942,796	3,300	1,508,243	4,561,396	2,242,796.40
Pottawattamie	1	705,372	2,355,510	1,248,011	5,000	183,478	1,077,565	508,045.84
Poweshiek	1	397,185	1,880,303	725,702	13,000	143,978	594,437.84	594,437.84
Rock	1	176,007	1,559,043	1,521,007	13,000	104,000	913,000	413,000.00
Shelby	1	72,000	1,559,043	1,521,007	13,000	104,000	913,000	413,000.00
Shelby	1	72,000	1,559,043	1,521,007	13,000	104,000	913,000	413,000.00
Sioux	1	1,213,435	13,549,115	4,857,631	280,559	318,446	4,254,040	2,116,114.12
Story	1	676,640	2,078,967	1,481,654	158,188	239,861	1,995,623	967,287.78
Tama	1	4,859,357	4,859,357	1,265,114	24,796	306,490	1,495,152	900,990.35
Taylor	1	736,382	3,210,506	1,210,506	1,665	30,991	272,649	134,006.10
Union	1	5,881,613	4,963,513	8,111,471	8,111	4,817	4,817	4,817
Van Buren	1	8,951,261	13,553,886	5,301,156	5,485	765,255	2,336,646	1,231,711.39

CREAMERY STATISTICS OF IOWA—Continued

Counties	No. of Creameries Reported	Pounds of Milk Received	Pounds of Cream Received	Lbs. of Butter Manufactured	Pounds Sold to Patrons	Pounds Sold in Iowa	Pounds Sold Outside of Iowa	Total Value
Warren.....	1	.....	331,893	142,026	2,062	116,131	22,833	59,650.92
Washington.....	1	.....	333,547	148,962	1,590	149,839	.....	65,661.81
Wayne.....	1	.....	4,147,645	1,897,977	3,697	45,336	1,358,984	707,510.00
Webster.....	2	31,006	1,961,912	768,313	16,283	692,338	154,719	342,618.85
Winnebago.....	8	211,373	7,552,657	2,553,435	234,429	122,837	2,130,156	1,174,717.14
Winneshiek.....	10	510,488	8,595,801	3,129,005	361,050	235,202	2,791,508	1,397,690.67
Woodbury.....	6	23,903,568	79,888,472	31,630,173	10,418	1,170,342	31,571,588	13,867,176.22
Worth.....	9	154,942	4,770,206	2,050,347	237,106	99,158	1,600,424	837,462.57
Wright.....	3	.....	567,711	556,174	33,023	69,910	338,424	182,545.52
Total.....	.....	238,015,534	532,583,175	192,442,103	7,902,195	22,695,814	155,943,396	\$84,005,134.06

CREAMERY LIST

Name of Creamery	Located at or Near	Name of Proprietor, Secretary or Manager	P. O. Address of Proprietor, Secretary or Manager	Name of Buttermaker	P. O. Address of Buttermaker
Adair County—					
Adair Creamery Co.....	Adair	J. W. Crow.....	Adair	J. T. Ryan.....	Adair
Greenfield Creamery Co.....	Greenfield	W. A. Foster.....	Greenfield	R. H. McCrea.....	Greenfield
Adams County—					
Prescott Creamery.....	Prescott	Chris. Lundhigh....	Prescott	Raymond Ferguson..	Prescott
Allamakee County—					
Arctic Spring Creamery Ass'n.....	Quandahl, 9 mi. S. of Spring Grove, Minn.	O. C. Flatberg.....	Spring Grove, Minn.	Olaf Goodno.....	Spring Grove, Minn.
Calhoun Creamery Co.....	Church	W. G. Maite.....	Church	Floyd Ferris.....	Church
Ludlow Co-op. Creamery Co.....	Waukon, 7 mi. S. W. New Albin	O. L. Sanderman.....	Waukon	V. V. Johnson.....	Waukon
New Albin Co-op. Creamery Co.....	Postville	J. E. Welsh.....	New Albin	Jacob W. Rouster....	New Albin
Postville Farmers Co-op. Creamery Co.....	Waukon	Cloy Schultz.....	Postville	Edgar Riser.....	Postville
Farmers Creamery Co.....	Waukon	O. R. Haas.....	Waukon	V. C. Anderson.....	Waukon
Farmers Waukon Creamery Co.....	Waukon	Tollef Johnson.....	Waukon	A. H. Hanesmeier....	Waukon
Appanoose County—					
Centrox Dairy.....	Centerville	G. S. Armstrong.....	Centerville	A. V. Lucas.....	Centerville
Audubon County—					
Audubon Creamery Co.....	Audubon	L. W. Barger.....	Audubon	Johannes Johansen..	Audubon
Audubon Township Creamery Ass'n.....	Exira	Albert S. Stone.....	Exira	Albert S. Stone.....	Exira
Crystal Springs Creamery.....	Kimballton	L. H. Lauritsen.....	Kimballton	J. I. Petersen.....	Kimballton
Exira Creamery Co.....	Exira	H. K. Jensen.....	Exira	Jens P. Jensen.....	Exira
Benton County—					
Farmers Creamery.....	Belle Plaine	Peter Thuesen.....	Belle Plaine	Peter Thuesen.....	Belle Plaine
Model Creamery.....	Newhall	Wm. Gardeman.....	Newhall	H. J. Stelling.....	Newhall
Garrison Co-op. Creamery Ass'n.....	Garrison	J. A. Ridenour.....	Garrison	Wm. T. Turner.....	Garrison
T. M. Sinclair Packers Ltd.....	Shellsburg	A. C. Sinclair.....	Cedar Rapids	Albert Gintert.....	Shellsburg
Black Hawk County—					
Benson Co-op. Creamery Co.....	Cedar Falls	P. A. Lund.....	Cedar Falls	J. F. Lorenzen.....	Cedar Falls
Cedar Falls Creamery Co.....	Cedar Falls	E. F. Nasby.....	Cedar Falls	E. V. Jensen.....	Waterloo
Central Creamery Co.....	Waterloo	J. H. Brandes.....	Waterloo	George Holm.....	Cedar Falls
Crain Creek Creamery.....	Denver, 6 mi. S. E.	Wm. Meier.....	Denver, R. I.	Wm. Meier.....	Denver

CREAMERY LIST—Continued

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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
C. A. Fosse Creamery.....cen	La Porte City.....	C. A. Fosse.....	La Porte City.....	H. M. Brant.....	La Porte City.....
Hudson Co-op. Dairy Ass'n.....c	Hudson.....	Henry Laifrenz.....	Hudson.....	Wm. McFarland.....	Hudson.....
Mt. Vernon Creamery Co.....c	Cedar Falls.....	A. H. Musch.....	Cedar Falls.....	F. J. Van Alstine.....	Cedar Falls.....
Waterloo Co-op. Dairy Co.....c	Waterloo.....	Glen Lichty.....	Waterloo, R. 1.....	H. Jensen.....	Waterloo.....
Farmers Creamery Co.....c	Dunkerton.....	T. R. Fisher.....	Dunkerton.....	Thomas Sadler.....	Dunkerton.....
Producers Milk Co.....c	Waterloo.....	V. B. Foster.....	Waterloo.....	.....	.....
Boone County—					
Peerless Dairy Products Co., Inc.....i	Boone.....	J. F. Sammin.....	Boone.....	V. F. Brunner.....	Boone.....
Rosendale Co-op. Creamery Co., operated by Dairy Dept. I. S. C.....i	Boone.....	R. E. Fowler.....	Boone.....	Roy Bilbrey.....	Boone.....
Boone Dairy, Inc.....i					
Bremer County—					
Artesian Creamery Co.....c	Waverly, 7 mi. E.....	Henry Seegers.....	Waverly, R. 5.....	C. J. Meier.....	Waverly, R. 5.....
Bremer Creamery Co.....c	Bremer.....	Fred Christophel.....	Waverly, R. 2.....	Theo. Slack.....	Waverly.....
Climax Creamery Co.....c	Sumner.....	H. Sell.....	Sumner.....	I. B. Zbornik.....	Sumner.....
Denver Creamery Co.....c	Sumner.....	Geo. J. Moehling.....	Denver.....	W. J. Spurbach.....	Denver.....
Excelsior Creamery Co.....c	Sumner.....	Geo. Rockdasschel.....	Denver.....	L. J. Ehler.....	Sumner.....
First Maxfield Creamery Co.....c	Denver, 2 mi. E.....	H. C. Griesel.....	Denver.....	C. F. George.....	Denver.....
Frederika Creamery.....c	Frederika.....	Leigh Alcock.....	Tripoli.....	J. Ambrose.....	Frederika.....
Fremont Creamery Co.....c	Tripoli, 5 mi. S. E.....	L. P. Snelling.....	Tripoli.....	H. F. Dettmer.....	Tripoli.....
Gift Edge Creamery Co.....i	Plainfield.....	Nichols & Bentley.....	Plainfield.....	.....	Plainfield.....
Janesville Creamery Ass'n.....c	Janesville.....	B. O. Squires.....	Janesville.....	B. O. Squires.....	Janesville.....
Klinger Co-op. Creamery Co.....c	Readlyn, 3 mi. S.....	Henry Otto.....	Readlyn.....	Henry Segebarth.....	Fairbank.....
Knitell Creamery Co.....c	Readlyn.....	J. Strodtmann.....	Readlyn.....	W. H. Bowers.....	Readlyn.....
Little Valley Creamery Co.....c	Sumner.....	Chas. Krueger.....	Sumner, R. 7.....	E. J. Henning.....	Sumner, R. 7.....
Potters Siding Creamery Co.....c	Tripoli.....	W. H. Barry.....	Tripoli.....	Albert Kraus.....	Tripoli.....
Readlyn Co-op. Creamery Co.....c	Readlyn.....	H. A. Griesel.....	Readlyn.....	H. A. Griesel.....	Readlyn.....
Siegel Creamery Co.....c	Tripoli, 6 mi. N. W.....	H. F. Buhrow.....	Waverly, R. 2.....	Will Behrens.....	Waverly, R. 3.....
Spring Pounding Creamery Co.....c	Sumner.....	G. C. Schwake.....	Sumner, R. 6.....	Paul Schroeder.....	Sumner, R. 6.....
Sumner Creamery Co.....c	Sumner.....	George Wescott.....	Sumner.....	Albert Zierath.....	Sumner.....
Tripoli Creamery Co.....c	Tripoli.....	J. C. Kuch.....	Tripoli.....	H. C. Ladage.....	Tripoli.....
Washington Creamery.....c	Waverly.....	Ernest Sampe.....	Waverly.....	C. L. Gamm.....	Waverly.....
Western Douglas Creamery.....c	Bremer, 1 mi. W.....	Wm. Oberken.....	Waverly, R. 2.....	Geo. Heine.....	Waverly, R. 2.....
Buchanan County—					
H. W. Carmichael Co.....i	Independence.....	L. C. Carmichael.....	Rockford, Ill.....	Raymond Palmer.....	Independence.....
Fairbank Farmers Creamery Co.....c	Fairbank.....	Harry Lyon.....	Fairbank.....	L. W. Ross.....	Fairbank.....
Farmers Creamery Ass'n.....c	Aurora.....	W. J. Warren.....	Aurora.....	C. W. Turner.....	Aurora.....
Hazleton Farmers Creamery Co.....c	Hazleton.....	C. E. Riede.....	Hazleton.....	Arthur Hemshut.....	Hazleton.....
Jesup Creamery Co.....c	Jesup.....	D. E. Rogers.....	Jesup.....	A. D. Comfort & Leonard Sogard.....	Jesup.....
Lamont Creamery Ass'n.....c	Lamont.....	W. A. Sager.....	Lamont.....	Ralph Schmidt.....	Lamont.....
Rowley Farmers Co-op. Creamery Co.....c	Rowley.....	A. F. Sloan.....	Rowley.....	Chas. W. Cady.....	Rowley.....
Waspie Valley Creamery.....cen	Independence.....	C. Nielsen.....	Independence.....	R. W. Stewart.....	Independence.....
Winthrop Creamery.....i	Winthrop.....	J. C. Guthrie.....	Winthrop.....	Henry Jensen.....	Winthrop.....
Buena Vista County—					
Clover Leaf Dairy.....i	Alta.....	L. H. Hatch.....	Alta.....	Earl Post.....	Alta.....
Farmers Creamery & Produce Co.....c	Newell.....	E. P. Kruse.....	Newell.....	N. C. Olson.....	Newell.....
Storm Lake Produce Co.....i	Storm Lake.....	L. W. McCreery.....	Storm Lake.....	L. W. McCreery.....	Storm Lake.....
Diamond Creamery Co.....c	Storm Lake.....	L. C. Sutherland.....	Storm Lake.....	E. W. Brander.....	Storm Lake.....
Albert City Co-op. Creamery Ass'n.....c	Albert City.....	N. M. Pearson.....	Albert City.....	N. M. Pearson.....	Albert City.....
Butler County—					
Aplington Creamery.....i	Aplington.....	J. B. Morek.....	Aplington.....	J. B. Morek.....	Aplington.....
Clarksville Creamery.....i	Clarksville.....	H. W. Stine.....	Clarksville.....	M. A. Jones.....	Clarksville.....
Parkersburg Community Creamery Co.....i	Parkersburg.....	W. H. Henning.....	Parkersburg.....	C. G. Nelson.....	Parkersburg.....
Dumont Creamery Co.....i	Dumont.....	J. F. Vandermeer.....	Dumont.....	J. F. Vandermeer.....	Dumont.....
Farmers Co-op. Cry. Co.....c	Allison.....	Wm. Allan.....	Allison.....	E. E. Brooks.....	Allison.....
Farmers Co-op. Cry. Co.....c	Greene.....	Aaron Hardman.....	Winthrop.....	E. E. Morris.....	Winthrop.....
Jefferson Creamery Co.....c	Shell Rock.....	Henry Harms.....	Shell Rock.....	E. E. Brooks.....	Allison.....
Shell Rock Cry. Ass'n.....c	Shell Rock.....	C. D. Adair.....	Shell Rock.....	F. D. Daniels.....	Shell Rock.....
White Rose Creamery.....i	Austinville.....	S. L. Patterson.....	Austinville.....	M. Andersen.....	Austinville.....
Kesley Co-op. Cry. Co.....c	Kesley.....	Remko Johnson.....	Austinville.....	Fred Carolus.....	Kesley.....
New Hartford Farmers Mutual Cry. Co.....c	New Hartford.....	E. F. Perrin.....	New Hartford.....	A. F. Blair.....	New Hartford.....
Carroll County—					
Carroll Creamery.....i	Carroll.....	C. C. Roberts.....	Carroll.....	H. W. Waisner.....	Carroll.....
Dedham Creamery.....i	Dedham.....	H. Lauridsen.....	Dedham.....	H. Lauridsen.....	Dedham.....
Farmers Co-op. Cry. Co.....c	Breda.....	A. J. Polking.....	Breda.....	J. E. Du Charme.....	Breda.....
Halbur Creamery.....i	Halbur.....	M. J. Wagner.....	Halbur.....	M. J. Wagner.....	Halbur.....
Jensen Creamery.....cen	Coon Rapids.....	Jens Jensen.....	Coon Rapids.....	Wm. Rogaard.....	Coon Rapids.....
Manning Creamery Co.....cen	Manning.....	J. A. Brock.....	Manning.....	Emar Hansen.....	Manning.....
Rose Valley Creamery.....i	Roselle.....	M. Friedman.....	Carroll, R. 4.....	M. Friedman.....	Carroll, R. 4.....
Calhoun County—					
A. Baird Co.....i	Lohrville.....	Hugh Baird.....	Lohrville.....	John J. Stamen.....	Lohrville.....
Bork Creamery Co.....i	Manson.....	J. J. Bork.....	Manson.....	A. C. Matthies.....	Manson.....
Cedar Creek Creamery Co.....i	Somers.....	S. P. Petersen.....	Somers.....	John Dose.....	Somers.....
Pomeroy Creamery Co.....i	Pomeroy.....	B. F. Schultz.....	Pomeroy.....	Geo. Froome.....	Pomeroy.....
Cass County—					
Central Iowa Poultry & Egg Co.....cen	Atlantic.....	E. H. Busse, Mgr.....	New York City.....	Marinus Mikelson.....	Atlantic.....
Swift & Co.....cen	Atlantic.....	Swift & Co.....	Chicago, Ill.....	P. E. Kelley.....	Atlantic.....

DAIRY AND FOOD DIVISION OF

THE AGRICULTURAL DEPARTMENT

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CREAMERY LIST—Continued

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DAIRY AND FOOD DIVISION OF

Name of Creamery	Located at or Near	Name of Proprietor, Secretary or Manager	P. O. Address of Proprietor, Secretary or Manager	Name of Buttermaker	P. O. Address of Buttermaker
Cedar County—					
Durant Farmers Cry. Ass'n.....c	Durant	A. R. Lamp.....	Durant	H. G. Davis	Durant
Golden Star Creamery Ass'n.....c	Bennett	W. H. Kroeger.....	Bennett	Henry Schmidt	Bennett
Lowden Farmers Mut. Co-op. Cry. Ass'n.....c	Lowden	Matthiessen Pauls.....	Lowden	Wm. L. Sloan.....	Lowden
Massillon Co-op. Creamery.....c	Massillon	P. H. Schneider.....	Massillon	R. L. Litts.....	Massillon
Dayton Creamery Co.....c	Clarence	F. J. Bachman.....	Clarence	Glen Barnes	Clarence
Capper Creamery Co.....c	Tipton	E. C. Capper.....	Tipton	Harlan Walker	Tipton
Sidwell Dairy, Inc.....i	West Branch	A. B. Sidwell.....	Iowa City	W. E. Hunter.....	West Branch
Cerro Gordo County—					
Dougherty Co-op. Creamery Co.....c	Dougherty	May Lalor.....	Dougherty	O. A. Jensen.....	Dougherty
Farmers Mutual Co-op. Cry.....c	Clear Lake	W. F. Paul.....	Clear Lake	S. S. Hudson.....	Clear Lake
Plymouth Co-op. Creamery.....c	Plymouth	J. L. Stevens.....	Plymouth	M. J. Mikkalson.....	Plymouth
Rockwell Co-op. Creamery.....c	Rockwell	F. C. Siegfried.....	Rockwell	Paul Smith	Rockwell
Swaledale Creamery.....i	Swaledale	Henry Donner.....	Swaledale	Henry Donner	Swaledale
Thornton Creamery Co.....i	Thornton	Geo. and Henry Assink.....	Thornton	Henry Assink	Thornton
Ventura Farmers Creamery Co.....c	Ventura	H. H. Ollendeg.....	Garner	Otto Spies	Ventura
Hermanson Bros.....i	Mason City	Hermanson Bros.....	Mason City	Glen Swartz	Mason City
Farm Products Co.....c	Mason City	Glen Swartz.....	Mason City	Fred Mortenson	Mason City
Swift & Co.....cen	Mason City	A. M. Feist, Mgr.....	Mason City .....	.....	.....
Sanitary Dairy & Creamery.....i	Mason City	Geo. Leffingwell.....	Mason City .....	.....	.....
Producers Milk Co.....i	Mason City .....	.....	.....	.....	.....
Cherokee County—					
Cherokee Creamery Co.....i	Cherokee	Carl J. Goeb.....	Cherokee	Dean Gallup	Cherokee
Chickasaw County—					
Alta Vista Farmers Cry. Ass'n.....c	Alta Vista	O. A. Bartels.....	Alta Vista.....	T. F. Shipton.....	Alta Vista
Farmers Co-op. Creamery Ass'n.....c	Nashua	S. W. Blinn.....	Nashua	M. H. Bulis.....	Nashua
Fredericksburg Butter Factory.....c	Fredericksburg	J. D. Tuplett.....	Fredericksburg	R. D. Sweet.....	Fredericksburg
Ionia Farmers Creamery Ass'n.....c	Ionia	C. B. Moody.....	Ionia	Joe Herzog	Ionia
Jerico Farmers Mut. Co-op. Ass'n.....c	Jerico	E. Cochran.....	New Hampton	P. W. Nelson.....	New Hampton
Lawler Creamery Ass'n.....c	Lawler	R. E. Nulty.....	Lawler	John Plaskerul	Lawler
New Hampton Farmers Cry. Ass'n.....c	New Hampton	Joe Deling.....	New Hampton	D. W. Mohler.....	New Hampton
Pauls Farmers Mutual Cry. Ass'n.....c	Lawler	Henry Ellingson.....	Lawler R. 2.....	Edward Peter	Lawler, R. R. 2
Williamstown Creamery Ass'n.....c	New Hampton	C. M. Burmaster.....	Fredericksburg	Aug. Bremer	New Hampton
Clarke County—					
Golden Valley Creamery.....cen	Osceola	B. H. Burns.....	Osceola	Wesley Davis	Osceola
Clay County—					
Farmers Creamery Co.....c	Dickens	Geo. I. Southard.....	Dickens	Geo. I. Southard.....	Dickens
Postoria Co-op. Cry. Ass'n.....c	Postoria	E. O. Bollman.....	Postoria	E. O. Bollman.....	Postoria
Webb Creamery Co.....i	Webb	A. E. Birdsall.....	Webb	H. B. Stowe.....	Webb
Clayton County—					
Elkader Creamery.....i	Elkader	C. C. Wilkinson.....	Elkader	Hans Baumgartner.....	Elkader
Farmersburg & St. Olaf Co-op. Cry. Co.....c	St. Olaf	A. A. Hath.....	St. Olaf	C. C. Bomberger.....	St. Olaf
Farmers Co-op. Creamery Co.....c	Edgewood	Ralph Rizer.....	Edgewood	G. Stuessl.....	Edgewood
Farmers Co-op. Creamery Co.....c	McGregor	J. C. Heilman.....	McGregor	D. H. Clymer.....	McGregor
Farmers Creamery Co.....c	Osterdock	John White.....	Garber	F. J. Havens.....	Osterdock
Garber Farmers Co-op. Cry.....c	Garber	Jas. McLane.....	Guttenberg	W. C. Johnson.....	Garber
Garnaville Creamery Co.....c	Garnaville	A. I. Kregel.....	Guttenberg	F. W. Hessel.....	Garnaville
F. H. Hatch Co.....c	Edgewood	F. H. Hatch.....	Edgewood	W. I. Dilger.....	Edgewood
Littleport Farmers Co-op. Cry. Co.....c	Littleport	G. C. Ruegnitz.....	Elkport	Geo. Reyserson.....	Littleport
Luana Farmers Co-op. Cry. Co.....c	Luana	elliott Nelson.....	Luana	B. A. Gulsavig.....	Luana
Millville Creamery Co.....c	Millville	H. G. Friedlein.....	Turkey River	Glen Mueller.....	Millville
Mueller's Dairy.....i	Guttenberg	Fred Mueller.....	Guttenberg .....	.....	Guttenberg
Star Creamery Co.....c	No. Buena Vista	Arnold Klaas.....	No. Buena Vista	Louis Wills	No. Buena Vista
Strawberry Point Far. Cry. Ass'n.....c	Strawberry Point	J. P. Dismore.....	Strawberry Point	Otto Weger	Strawberry Pt.
Union Farmers Co-op. Cry. Co.....c	Monona	John Sabbann.....	Monona	P. A. Jordahl.....	Monona
Volga Farmers Co-op. Cry. Ass'n.....c	Volga City	A. L. Moats.....	Volga	F. P. Gernand.....	Volga
Volga Valley Creamery Co.....c	Mederville	F. E. Dittmer.....	Strawberry Point	G. N. Olinger.....	Mederville
White Lily Creamery.....c	Guttenberg	J. D. Ryharczyk.....	Guttenberg	B. R. Minger.....	Guttenberg
Clinton County—					
Clinton County Central Cry.....i	De Witt	O. C. Capper.....	De Witt	O. C. Capper.....	De Witt
Farmers Co-op. Cry. Co.....c	Toronto	Samuel A. Turner.....	Toronto	Louis Feltcheker.....	Toronto
Farmers Co-op. Cry. Co.....c	Wheatland	W. A. Templeton.....	Wheatland	O. R. Ball.....	Wheatland
Swift & Co. Produce Dept.....cen	Clinton	F. H. Johnson.....	Chicago, Ill.	D. W. Cox.....	Clinton
Welton Creamery.....c	Welton	W. O. Calvert.....	Davenport	C. B. Berst.....	Welton
Oak Grove Dairy.....c	Clinton	John Gidenssen.....	Clinton	Sanke	Hansen
Sanitary Butter Co.....c	Clinton	Elmer Frimoth.....	Clinton	Leroy Hansen	Clinton
Clinton Pure Butter Co.....c	Clinton	Martin Nielsen.....	Clinton	Lee Cressy	Charlotte
Crawford County—					
Armour Creameries.....cen	Denison	R. R. Hayes.....	Denison	S. P. Richards.....	Denison
Dallas County—					
Dexter Creamery Co.....c	Dexter	W. L. McMenamin.....	Dexter	Ward Paullen	Dexter
Perry Milk Product Co.....cen	Perry	H. P. Ryner.....	Perry	John Howarth	Perry
Louis Pohle	Dexter .....	.....	.....	.....	.....
Davis County—					
England Creamery Co.....c	Bloomfield	H. B. England.....	Bloomfield	W. D. Clayton.....	Bloomfield

THE AGRICULTURAL DEPARTMENT

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CREAMERY LIST—Continued

Name of Creamery	Located at or Near	Name of Proprietor, Secretary or Manager	P. O. Address of Proprietor, Secretary or Manager	Name of Buttermaker	P. O. Address of Buttermaker
Delaware County—					
Colesburg Co-op. Creamery Co.	Colesburg	Jacob Brown	Colesburg	A. C. Honn	Colesburg
Earlville Creamery	Earlville	L. S. Hutton	Earlville	Kenneth Klaus	Earlville
Farmers Co-op. Creamery Co.	Greeley	W. S. Bissell	Manchester	C. N. Bachler	Greeley
Farmers Creamery Co.	Ryan	C. F. Wendt	Ryan	G. M. Paullins	Ryan
Farmers Mutual Creamery Co.	Sand Springs	H. E. Chaplin	Hopkinton	J. L. Batchelder	Sand Springs
Hazel Green Creamery Co.	Ryan, 6 mi. E.	H. J. Dunlap	Hopkinton	Alex. Graham	Delhi
Hopkinton Co-op. Creamery Assn.	Hopkinton	H. M. Reeve	Hopkinton	C. W. Rouse	Hopkinton
Manchester Co-op. Creamery Co.	Manchester	G. I. McGee	Manchester	Orlando Bailey	Manchester
Masonville Creamery	Masonville	C. Nielsen	Independence	P. H. Scott	Masonville
Petersburg Farmers Cry. Co.	Petersburg	Joseph Dingbaum	Earlville	Joseph Taylor	Dyersville
Silver Spring Creamery Co.	Delhi	A. L. Clark	Delhi	D. O. Holdridge	Delhi
Thorpe Creamery	Thorpe	A. E. Dunlap	Manchester	Matt McDowell	Thorpe
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	Edgar Wiemer	Burlington	Edgar Wiemer	Burlington
Burlington Creamery Co.	Burlington	W. A. Lee	Burlington	Peter Rose	Mediapolis
Mediapolis Butter & Ice Cream Co.	Mediapolis	Chas. Skands	Mediapolis		
Dickinson County—					
Lake Park Co-op. Cry. Co.	Lake Park	C. Smuck	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	H. O. Dean	Spirit Lake	Albert Stahl	Spirit Lake
Dubuque County—					
Balltown Farmers Co-op. Cry. Co.	Balltown	L. J. Sigworth	Waupeton	Al. Barker	Waupeton
Beatrice Creamery Co.	Dubuque	L. J. Hamilton	Dubuque	J. Love	Dubuque
Cascade Creamery Co.	Cascade	R. X. Sauser	Cascade	C. A. Miller	Cascade
Farmers Golden Star Cry. Co.	Dyersville	Ralph Burkle	Dyersville	R. V. Blaine	Dyersville
Point Mutual Cry. Co.	Durango	Frank Fischer	Durango	Frank McLean	Dubuque
Globe Creamery Co.	Luxemburg	Henry Rausch	Turkey River	Geo. Hauer	New Vienna
Hawkeye Farmers Creamery Co.	Epworth	S. G. Streif	Epworth	Geo. Rooker	Epworth
Hickory Valley Creamery Co.	Dyersville	A. A. Ries	New Vienna	J. W. Sadler	Parley
Farmers Creamery Co. of Farley	Farley	J. L. Mahony	Farley	T. E. Landis	Parley
Zwingle Mut. Co-op. Cry. Co.	Zwingle	Dorothy Bronilard	Zwingle	V. C. Wagoner	Zwingle
Holy Cross Creamery Co.	Holy Cross	Geo. Theisen	Graf	L. Dawson	Luana Vista
Iowa Dairy Co.	Dubuque	A. Finetsch	Dubuque	H. E. Williamson	Dubuque
New Vienna Central Cry. Co.					
Sanitary Milk Co.	Dubuque	H. F. Smith	New Vienna	M. O. Buraker	New Vienna
Sherrill Mut. Co-op. Cry. Ass'n.	Sherrill	Edward Vyverberg	Dubuque	Emil Donatsch	Specht's Ferry
Swift & Co.	Dubuque	J. C. Boleyn	Chicago, Ill.	Wm. Broessel	Dubuque
Worthington Farmers Co-op. Cry. Co.	Worthington	C. O. Peacock	Worthington	Harry J. Lang	Anamosa
Emmett County—					
Farmers Creamery Co.	Wallingford	O. O. Refsell	Wallingford	Wm. Helgason	Wallingford
Ringsted Co-op. Creamery Co.	Ringsted	S. C. Hoien	Ringsted	J. C. Jensen	Ringsted
Farmers Creamery Co.	Dolliver	Lee Miller	Dolliver	Alfred Peterson	Dolliver
Estherville Co-op. Cry. Ass'n.	Estherville	L. L. Clements	Estherville	H. A. Carey	Estherville
Fayette County—					
Alpha Farmers Co-op. Cry. Co.	Alpha	W. J. Niewachner	Alpha	P. J. Lussan	Alpha
Center Valley Creamery Ass'n.	Sumner	F. M. Messerer	Sumner	R. T. Allenstien	Sumner
Clermont Valley Creamery Co.	Clermont	J. W. Miller	Clermont	H. T. Hangartner	Clermont
Elgin Farmers Dairy Co.	Elgin	M. Luchinger	Elgin	F. L. Sires	Elgin
Farmers Creamery Co.	Arlington	G. W. Bates	Arlington	Elmer Primus	Arlington
Farmers Co-op. Creamery	St. Lucas	G. H. Hackman	St. Lucas	Fred Mitchell	St. Lucas
Fayette Mut. Cry. Ass'n.	Fayette	J. H. Mori	Fayette	Chas. Finch	Fayette
German Creamery Co.	Westgate	H. T. Meyer	Maynard	J. H. Schroeder	Westgate
Harlan Farmers Mut. Co-op. Cry. Co.	Maynard	C. H. Paul	Maynard	G. C. Mittelsadt	Maynard
Hawkeye Creamery Co.	Hawkeye	H. F. Hauth	Hawkeye	Frank Bowdish	Maynard
Oelwein Farmers Creamery Co.	Oelwein	J. L. Butler	Oelwein	E. H. Harns	Oelwein
Oran Creamery Co.	Oran	A. S. Getz	Oran	Will Dille	Oran
Richfield Creamery Co.	Sumner	Alfred Mori	Sumner	N. B. Tibbets	Sumner
Riverside Mutual Cry. Ass'n.	Wadena	J. H. Wilson	Wadena	L. C. Popenhagen	Wadena
Waucoma Farmers Co-op. Cry. Ass'n.	Waucoma	H. E. Marron	Waucoma	J. J. Boland	Waucoma
Westgate Cry. Co.	Westgate	T. F. Meyer	Westgate	C. H. Caswell	Westgate
West Union Farmers Cry. Co.	West Union	M. A. Hutchinson	West Union	Floyd Neizer	West Union
Randall Mut. Cry. Ass'n.	Randall	J. R. Shaler	Randall	W. A. Rizer	Randall
Floyd County—					
Charles City Cry. Co., Inc.	Charles City	H. C. Hansen	Charles City	Chas. Zierath	Charles City
Niles Creamery Co.	Colwell	Frank Brunner	Colwell	Earl Regel	Colwell
Nora Springs Cry. Co.	Nora Springs	Wm. McGuiness	Nora Springs	Wm. McGuiness	Nora Springs
Rockford Co-op. Dairy Ass'n.	Rockford	P. J. Goetzing	Rockford	P. J. Goetzing	Rockford
Franklin County—					
L. C. Barnes	Popejoy	L. C. Barnes	Popejoy	L. C. Barnes	Popejoy
Farmers Creamery Co.	Alexander	W. F. Dunn	Alexander	W. H. Tinkney	Alexander
Hamilton Co-op. Cry. Co.	Coulter	Geo. Dohrman	Hampton	F. M. Hansen	Coulter
Latimer Co-op. Cry. Co.	Latimer	F. W. Meyer	Latimer	H. L. Kidd	Latimer
Shedfield Community Cry. Co.	Shedfield	H. J. Binger	Shedfield	H. J. Binger	Shedfield
Hansell Creamery Ass'n.	Hansell	V. Blackford	Hansell	Elmer Gustafson	Hansell
E. H. Bryan	Hampton	E. H. Bryan	Hampton	T. T. Ryan	Hampton
Farmers Creamery Co.	Dows	H. J. Iverson	Dows	A. O. Larson	Dows

CREAMERY LIST—Continued

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DAIRY AND FOOD DIVISION OF

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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
Greene County— Jefferson Creamery	Jefferson	M. E. Brunner	Jefferson	Harry H. Young	Jefferson
Grundty County— Reinbeck Farmers Creamery	Reinbeck	Wm. Matter	Reinbeck	Wm. Matter	Reinbeck
Beaver Center Creamery Co.	Stout	A. J. Meyer	Stout	T. E. Diller	Stout
Buck Grove Creamery	Aplington	Ralph Slight	Aplington	Jack Perry	Aplington
Dike Creamery Co.	Dike	Andersen Bros.	Dike	Geo. Carolus	Dike
Fern Creamery Co.	Parkersburg	W. H. Henning	Parkersburg	B. T. Soles	Stout
Grundty Center Creamery	Grundty Center	E. C. Kamoss	Grundty Center	E. C. Kamoss	Grundty Center
Wellsburg Creamery	Wellsburg	H. C. Kramer	Wellsburg	E. M. Guiney	Wellsburg
Guthrie County— Casey Creamery Co.	Casey	Joe F. Oddy	Casey	E. J. Rutt	Casey
Farmers Creamery & Produce Co.	Guthrie Center	A. Nelson	Guthrie Center	M. W. Bixby	Guthrie Center
Swift & Co.	Guthrie Center	Swift & Co.	Guthrie Center	H. R. Brown	Guthrie Center
Stuart Creamery Co.	Stuart	Wise & Wambold	Stuart	C. T. Wambold	Stuart
Hamilton County— Randall Farmers Creamery Co.	Randall	Oscar Sevold	Randall	L. E. Nelson	Randall
Ellsworth Co-op. Creamery Ass'n.	Ellsworth	Anna E. Olson	Ellsworth	C. M. Anderson	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. Ubben	Williams
R. R. Bullock	Webster City	R. R. Bullock	Webster City	R. R. Bullock	Webster City
Hancock County— Britt Creamery Ass'n.	Britt	B. Schafer	Britt	G. G. Kolthoff	Britt
Crystal Lake Creamery Co.	Crystal Lake	A. B. Davenport	Crystal Lake	C. M. Pedersen	Crystal Lake
Farmers Co-op. Creamery	Garner	S. C. Pollock	Garner	C. R. Conway	Garner
Kanawha Farmers Mut. Co-op. Cry. Co.	Kanawha	V. A. Blomgren	Kanawha	M. G. Olson	Kanawha
Klemme Co-op. Creamery Co.	Klemme	Valentine Josten	Klemme	A. D. Gimer	Klemme
Woden Farmers Creamery Co.	Woden	Theo. Frederickson	Woden	Geo. Breen	Woden
Hardin County— Alden Co-op. Creamery Co.	Alden	W. C. Granzon	Alden	Cecil Oswood	Alden
Cleves Creamery	Cleves	Glen W. Smith	Cleves	Glen W. Smith	Cleves
Concord Co-op. Creamery Co.	Garden City	E. P. Tyndahl	Hubbard	A. M. Whinner	Garden City
Eldora Creamery	Eldora	Herbert Sohalie	Eldora	Frank T. Frank	Eldora
Ackley Creamery	Ackley	R. K. Hadley	Ackley	G. T. Armstrong	Ackley
Hubbard Creamery Co.	Hubbard	C. W. Mannetter	Hubbard	R. Nelson	Hubbard
Iowa Falls Creamery	Iowa Falls	R. E. Miller	Iowa Falls	J. R. Jones	Iowa Falls
Swift & Co.	Iowa Falls	J. B. Smith	Iowa Falls	F. J. Shafer	Iowa Falls
Farmers Co-op. Creamery	Eldora	C. T. Emmert	Steamboat Rock	Fred D. Ford	Eldora
Steamboat Rock Creamery	Steamboat Rock	Otto Nielsen	Steamboat Rock	Otto Nielsen	Steamboat Rock
Harrison County— Dunlap Creamery Co.	Dunlap	Fred Major	Dunlap	A. O. Major	Dunlap
Gillette Dairy & Creamery Co.	Missouri Valley	W. E. Gillette	Missouri Valley	Arthur Johnson	Mo. Valley
Henry County— Fankhauser Dairy Co.	Mt. Pleasant	A. W. Fankhauser	Mt. Pleasant	C. R. Fankhauser	Mt. Pleasant
Howard County— Cresco Creamery Co.	Cresco	W. H. Eischeid	Cresco	W. H. Eischeid	Cresco
Elma Co-op. Creamery	Elma	M. H. Mealy	Elma	A. McLaughlin	Elma
Farmers Co-op. Creamery Ass'n.	Chester	J. M. Hughes	Chester	C. Plummer	Chester
Farmers Co-op. Creamery	Protivin	J. J. Prochaska	Protivin	W. N. Nae	Protivin
Farmers Creamery Co.	Cresco	Bernard McAlester	Elma, R. 1.	N. W. Graf	Elma, R. 1.
Maple Leaf Co-op. Creamery	Maple Leaf, 8 mi. E.	D. J. Lane	Saratoga	Hans Larson	Saratoga
Saratoga Creamery Co.	Schley	Carl Sanderson	Cresco, R. 8.	Lenard Sanderson	Cresco, R. 8.
Schley Creamery	Elma	J. P. Whelan	Elma	Earl Kelly	Elma
Whelan Produce Co.					
Humboldt County— Bode Creamery & Produce Co.	Bode	D. H. Grefstad	Bode	L. H. Black	Bode
Ottosen Co-op. Cry. Ass'n.	Ottosen	Lenhard Holden	Ottosen	Joe Chamberlin	Ottosen
Humboldt Co-op. Cry. Ass'n.	Humboldt	A. P. Andersen	Humboldt	A. P. Andersen	Humboldt
Iowa County— Iowa Valley Creamery Co.	Marengo	A. H. Ady	Marengo	A. H. Ady	Marengo
Victor Creamery	Victor	H. F. Lenock	Williamsburg, R. 1.	M. Walter	Victor
York Co-op. Creamery Co.	Williamsburg	H. Von Ahsen	Williamsburg, R. 1.	A. Polikowsky	Williamsburg, R. 1.
Jackson County— Andrew Co-op. Creamery Co.	Andrew	J. H. Mohlenhoff	Andrew	C. O. Von Rhein	Andrew
Bellevue Co-op. Creamery Co.	Bellevue	G. Zentner	Bellevue	J. H. Christenson	Bellevue
Farmers Union Co-op. Cry. Co.	Maquoketa	Bruce Werden	Maquoketa	I. W. Pross	Maquoketa
Maquoketa Ice & Ice Cream Co.	Maquoketa	Ed. Kirchhoff	Maquoketa	L. F. Widel	Maquoketa
Preston Creamery Ass'n.	Preston	Max Ehler	Preston	A. J. Spohn	Preston
St. Donatus Creamery	St. Donatus	L. Henry	St. Donatus	Geo. P. Byrne	St. Donatus
Sterling Creamery	Lamotte	Hoffmann Cry. Co.	Lamotte	J. M. Hoffmann	Lamotte
Spragueville Co-op. Cry. Ass'n.	Spragueville	Wm. F. H. Stro-meyer	Spragueville	Lyle E. Miller	Spragueville
C. J. Rhode Creamery	Maquoketa	O. H. Rohde	Maquoketa	Rhode & Son	Maquoketa
Jasper County— Dairyland Dairy Co.	Newton	G. M. Lambert	Newton	Berle Starr	Newton

CREAMERY LIST—Continued

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DAIRY AND FOOD DIVISION OF

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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
Jefferson County—					
Linder-Iverson Co.	Fairfield	R. O. Linder	Fairfield	Virgil K. Johnson	Fairfield
Gibson & Peasley	Fairfield	J. E. Gibson & O. E. Kirby	Fairfield	E. E. Anderson	Fairfield
Johnson County—					
Iowa City Creamery Co.	Iowa City	Wm. Ruppert, Jr.	Iowa City	Wm. Boarts	Iowa City
Jones County—					
Amber Mut. Creamery Co.	Amber	P. B. Daly	Amber	H. C. Kofoed	Amber
Anamosa Farmers Creamery Co.	Anamosa	C. Hartman	Anamosa	G. W. Simes	Anamosa
Farmers Creamery Co.	Center Junction	W. K. Moats	Center Jct.	Harry Johnson	Center Jct.
Farmers Mutual Cry.	Langworthy	George Poppe	Langworthy	E. H. Witt	Langworthy
Farmers Mutual Cry. Co.	Monticello	O. W. Brazelton	Monticello	L. D. Morey	Monticello
Keokuk County—					
C. E. Brown	What Cheer	C. E. Brown	What Cheer	S. W. Hobson	What Cheer
A. Wisby	Sigourney	A. Wisby	Sigourney	A. Wisby	Sigourney
Gould Creamery Co.	Sigourney	R. E. Gould	Sigourney	R. E. Gould	Sigourney
Kossuth County—					
Algona Co-op. Creamery Co.	Algona	M. P. Christiansen	Algona	M. P. Christiansen	Algona
Bancroft Co-op. Creamery Co.	Bancroft	Joseph Vaske	Bancroft	H. E. Thies	Bancroft
Burt Co-op. Creamery Co.	Burt	M. E. Warner	Burt	Paul Macauley	Burt
Farmers Co-op. Creamery Co.	Hobart	A. R. Cruikshank	Algona	Vincent Hieflner	Algona
Ledyard Co-op. Creamery Co.	Ledyard	J. T. Heaney	Ledyard	L. C. Strand	Ledyard
Fenton Creamery Co.	Fenton	F. C. Bailey	Fenton	Fred Kucker	Fenton
Germania Creamery Co.	Lakota	J. E. Smith	Lakota	Nick Behrends	Lakota
Lone Rock Co-op. Cry. Co.	Lone Rock	W. J. Bourne	Lone Rock	Watson Shick	Lone Rock
Lotts Creek Co-op. Cry. Co.	Lone Rock	Otto Wichtendahl	Lone Rock	Harold Smith	Lone Rock
Swea City Co-op. Cry. Co.	Swea City	L. C. Knutsen	Swea City	L. C. Knutsen	Swea City
Titonka Co-op. Creamery Co.	Titonka	J. C. Newville	Titonka	John Poulsen	Titonka
Whittemore Farmers Cry. Co.	Whittemore	M. W. Fandel	Whittemore	O. J. Kloock	Whittemore
Wesley Farmers Creamery Co.	Wesley	V. Kulsholm	Wesley	V. Kulsholm	Wesley
Lee County—					
Swift & Co.	Keokuk	C. A. Peacock	Chicago, Ill.	R. R. Reynolds	Keokuk
Vaughn Ice Cream Co., Inc.	Keokuk	L. H. Vaughan	Keokuk	Harold Wright	Keokuk
Pt. Madison Creamery Co.	Pt. Madison	H. K. Peter	Pt. Madison	D. Clute	Pt. Madison
Favorite Dairy	Pt. Madison	Joe Menke	Pt. Madison	Everett Marsh	Pt. Madison
Linn County—					
Blue Valley Creamery Co.	Cedar Rapids	R. H. Vansant	Chicago, Ill.	Dewey Thompson	Cedar Rapids
Central City Creamery Co.	Central City	H. C. Lundine	Central City	H. A. Lundine	Central City
Coggon Creamery Co.	Coggon	M. L. Ware	Coggon	Paul Wright	Coggon
Marion Dairy Store	Marion	C. E. Batchelder	Marion	Lee Dunlap	Marion
Lisbon Co-op. Creamery Co.	Lisbon	G. K. Frink	Lisbon	L. C. Capper	Lisbon
Springville Creamery Co.	Springville	Earl George	Springville	Harry Erickson	Springville
Farmers Co-op. Creamery Co.	Walker	Glenn H. Moore	Cedar Rapids	H. B. Wandling	Cedar Rapids
Moor's Dairy Co.	Cedar Rapids	Frank Orr	Cedar Rapids	Garritt Boland	Cedar Rapids
Wapsie Valley Creamery	Cedar Rapids	E. D. Bare	Walker	A. W. Willander	Walker
Walker Farmers Creamery	Walker				
Louisa County—					
Columbus Creamery	Columbus Jct.	R. C. Utter	Columbus Jct.	R. C. Utter	Columbus Jct.
Lyon County—					
Inwood Creamery	Inwood	A. Yonker	Inwood	A. Yonker	Inwood
Farmers Co-op. Creamery Co.	George	J. S. Janssen	George	John J. Marx	George
Madison County—					
Winterset Creamery	Winterset	F. B. Seidler	Winterset	F. B. Seidler	Winterset
Mahaska County—					
Love's Creamery	Oskaloosa	J. C. Love	Oskaloosa	Emmett Love	Oskaloosa
Reisman Co., Inc.	Oskaloosa	The Reisman Co.	Oskaloosa	John Cork	Beacon
Maplehurst Dairy Co.	Oskaloosa				
H. S. Rhynsbarger Creamery	Oskaloosa	H. S. Rhynsbarger	Oskaloosa	E. Hunter	Oskaloosa
Ferguson Creamery	Barnes City	Horace Ferguson	Barnes	Horace Ferguson	Barnes
Marion County—					
Knoxville Creamery	Knoxville	W. H. Anderson	Knoxville	T. W. Alexander	Knoxville
Pella Creamery	Pella	Ben Kuyk	Pella	C. F. Leuthy	Pella
Marshall County—					
Jackson Dairy Co.	Marshalltown	F. R. Jackson	Marshalltown	Fred Thompson	Marshalltown
Minerva Valley Co-op. Cry. Ass'n.	Clemons	Theo. Helmcke	Clemons	Chris. Jensen	Clemons
Nielsen Butter & Ice Cream Co.	Marshalltown	N. C. Nielsen	Marshalltown	Guy W. Smith	Marshalltown
State Center Farmers Cry. Ass'n.	State Center	Chris. Jensen	State Center	Martin Olsen	State Center
Mills County—					
Glenwood Creamery Co.	Glenwood	C. W. McManigal	Glenwood	E. E. Hatcher	Glenwood
Malvern Cold Storage Co.	Malvern	Bruce Bochner	Malvern	W. Mulholland	Malvern
Mitchell County—					
Little Cedar Co-op. Creamery Ass'n.	Little Cedar	C. H. Penney	Little Cedar	L. J. Ethen	Little Cedar
New Haven Creamery	Osage	Julius Brunner	Osage	Julius Brunner	Osage
Osage Co-op. Creamery Ass'n.	Osage	Judson Burtch	Osage	Chas. Woodwiss	Osage
Riceville Creamery	Riceville	Kistner Bros.	Riceville	Wm. & A. Kistner	Riceville

CREAMERY LIST—Continued

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DAIRY AND FOOD DIVISION OF

THE AGRICULTURAL DEPARTMENT

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
Rock Creek Creamery Ass'n.....c	Osage	H. K. Klemesrud.....	Nora Springs	P. Christensen	Osage
St. Ansgar Creamery Co.....c	St. Ansgar	O. C. Seefeld.....	St. Ansgar	H. R. Bullis.....	St. Ansgar
Stacyville Creamery Co.....c	Stacyville	W. A. Schrandt.....	Stacyville	K. M. Durben.....	Stacyville
Montgomery County—					
Lee Blue Ice Cream Co.....i	Red Oak	Lee Blue.....	Red Oak	W. F. Coonley.....	Red Oak
Red Oak Creamery	Red Oak	G. L. Rush.....	Red Oak	V. A. Swanson.....	Red Oak
Tyler Brothers	Villisca	H. F. & H. M. Tyler.....	Villisca	H. E. Wolfe.....	Villisca
Muscatine County—					
Swift & Co.....cen	Muscatine	C. A. Peacock.....	Chicago, Ill.	R. J. Ford.....	Muscatine
West Liberty Co-op. Cry. Co.....c	West Liberty	E. Buckmann.....	West Liberty	Wm. Sampson	West Liberty
O'Brien County—					
Hartley Creamery Co.....i	Hartley	Peter F. Joenke.....	Davenport	Tom Holmes	Hartley
Sheldon Co-op. Creamery.....c	Sheldon	George Boerhaver.....	Sheldon	Paul Moerman	Sheldon
Sutherland Creamery Co.....i	Sutherland	C. W. Green & C. B. Jensen.....	Sutherland	A. Nielson	Sutherland
Osceola County—					
Osceola County Co-op. Cry. Ass'n.....c	Sibley	Geo. O. Lister.....	Sibley	A. M. Hein.....	Sibley
Page County—					
Swift & Co.....cen	Clarinda	H. Gillmore.....	Clarinda	L. E. Martin.....	Clarinda
Shenandoah Creamery Co.....i	Shenandoah	S. M. Tuttle.....	Shenandoah	Frank Tuttle	Shenandoah
Palo Alto County—					
Emmetsburg Farmers Co-op. Cry. Co.....c	Emmetsburg	W. A. Thayer.....	Emmetsburg	Edwin Behnke	Emmetsburg
Farmers Co-op. Cry. Co.....c	Ruthven	M. P. Junker.....	Ruthven	M. P. Junker.....	Ruthven
Lost Island Creamery Co.....c	Graettinger	F. L. Lambe.....	Graettinger	Henry Hanson	Graettinger
Mallard Butter & Cheese Ass'n.....c	Mallard	S. M. Andersen.....	Emmetsburg, R. 3....	Selmer Nelson	Graettinger
Ayrshire Creamery Ass'n.....c	Ayrshire	E. B. White.....	Mallard	Carl W. Larsen	Mallard
West Bend Co-op. Creamery Co.....c	West Bend	J. E. Dailey.....	Ayrshire	A. Hanson	Ayrshire
Plymouth County—					
Wells Dairy	Le Mars	F. H. Wells.....	Le Mars	R. J. Harris.....	Sioux City
Akron Creamery Co.....i	Akron	Otto C. Larson.....	Akron	W. A. Larsen.....	Akron
Pocahontas County—					
Laurens Co-op. Creamery Co.....c	Laurens	B. A. Dubbert.....	Laurens	Chris Sorensen	Laurens
Palmer Creamery Co.....i	Palmer	Ed. V. Johnson.....	Palmer	Fred Johnson	Palmer
Pocahontas Creamery	Pocahontas	Geo. Siebels.....	Palmer	J. F. Petersen.....	Pocahontas
Polk County—					
Beatrice Creamery Co.....cen	Des Moines	C. T. Hayes.....	Chicago, Ill.	Geo. McClain.....	Des Moines
Harding Cream Co.....cen	Des Moines	J. M. Harding.....	Omaha, Neb.	D. H. Bobb.....	Des Moines
Swift & Co.....cen	Des Moines	C. A. Peacock.....	Chicago, Ill.	R. S. Merrick.....	Des Moines
Armour Creameries Co.....cen	Des Moines	Armour & Co.....	Chicago, Ill.	F. P. Halloran.....	Des Moines
Lange Creamery Co.....cen	Des Moines	F. L. Taylor.....	Des Moines	J. E. Travase.....	Des Moines
Hutchinson Ice Cream Co.....cen	Des Moines	Hutchinson Ice Cream Co.	Des Moines	A. F. Barclay.....	Des Moines
Pottawattamie County—					
Hurd Creamery Co.....cen	Council Bluffs	Fred E. Hurd	Council Bluffs	G. S. Supernau.....	Council Bluffs
Powershiek County—					
Maplehurst Dairy Co.....cen	Grinnell	W. C. Winkelman.....	Grinnell	H. E. Crowder.....	Grinnell
Brooklyn Creamery Co.....c	Brooklyn	J. N. Gilbertson.....	Brooklyn	E. E. Fullerton	Brooklyn
Sac County—					
Sac City Creamery Co.....cen	Sac City	H. F. Lange	Sac City	A. Jennett	Sac City
Scott County—					
Pioneer Creamery Co.....cen	Davenport	H. C. Garver.....	Galesburg, Ill.	Eli Londahl	Davenport
Tri City Butter Co.....cen	Davenport	P. J. Lyngholm.....	Davenport	Wm. Seitz	Davenport
Davenport Dairy Product Co.....cen	Davenport	Anthony C. Norskow	Davenport	A. C. Norskow.....	Davenport
Sunlight Creamery Co.....cen	Davenport	A. W. Anderson.....	Chicago, Ill.	G. K. Hetrick	Davenport
Blue Grass Creamery Co.....i	Blue Grass	Fred Adams.....	Blue Grass	Louis Rasmussen	Davenport
Davenport Produce Co.....i	Davenport	H. O. Koehler.....	Davenport	George Ferris	Davenport
Scott Co. Produce Co.....i	Davenport	J. A. Bell.....	Davenport	George Ferris	Davenport
Shelby County—					
Harlan Ice & Creamery Co.....i	Harlan	O. G. Ruffcorn.....	Harlan	E. W. Jensen.....	Harlan
West Hamlin Creamery Co.....c	Elk Horn	C. W. Boysen.....	Elk Horn	Wm. Laustsen	Elk Horn
Farmers Creamery Ass'n.....c	Harlan, 11 mi. E.....	Geo. Larson	Harlan	D. J. Moran.....	Harlan
Sioux County—					
Alton Creamery	Alton	Herbert Lucas	Alton	Herbert Lucas	Alton
Farmers Co-op. Creamery Co.....c	Boyd	Henry Schloetje	Boyd	Wm. F. Wargowsky	Boyd
Farmers Co-op. Creamery Ass'n.....c	Hull	Jacob Moss	Hull	O. W. Albright.....	Hull
Farmers Mutual Co-op. Cry. Ass'n.....c	Orange City	L. Noteboom	Orange City	R. Reedman.....	Alton
Farmers Mut. Co-op. Creamery	Sioux Center	P. H. Schut	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	F. A. Miller.....	Rock Valley	R. E. Palmer.....	Rock Valley
Inter-State Co-op. Cry. Ass'n.....c	Hawarden	C. D. Jessen.....	Hawarden	C. D. Jessen.....	Hawarden

CREAMERY LIST—Continued

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DAIRY AND FOOD DIVISION OF

THE AGRICULTURAL DEPARTMENT

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
Story County—					
Dairy Dept. Iowa State College	Ames	M. Mortensen	Ames	Fred Hinz	Ames
Farmers Co-op. Creamery Co.	Slater	H. L. Buche	Slater	C. Clark	Slater
Huxley Farmers Co-op. Cry. Co.	Huxley	Sam Maland	Huxley	O. J. Olson	Huxley
Roland Farmers Creamery Co.	Roland	C. E. Rod	Roland	L. H. Larsen	Roland
Story City Farmers Co-op. Cry.	Story City	Martin C. Hansen	Story City	L. C. Peterson	Story City
Zearing Creamery Co.	Zearing	C. P. Bean	Zearing	C. M. Peterson	Zearing
Weatherford Dairy	Ames	C. T. Weatherford	Ames	C. T. Weatherford	Ames
Nevada Creamery	Ames		Ames	W. B. Hughes	Ames
Tama County—					
J. H. Neil Creamery Co., Inc.	Tama	J. H. Neil	Tama	Ray Adams	Tama
Tracer Co-op. Creamery Ass'n	Tracer	F. W. Niemier	Tracer	N. O. Bendickson	Tracer
Long Pine Creamery	Garwin	H. P. Anderson	Garwin	H. P. Anderson	Garwin
Taylor County—					
Bedford Creamery	Bedford	A. E. Lake	Bedford	Leslie Klopp	Bedford
Union County—					
Afton Creamery Co.	Afton	V. O. Williams	Afton	V. O. Williams	Afton
Armour Creameries	Creston	J. N. Almquist	Creston	Wm. J. Craft	Creston
Boyd Creamery Co.	Creston	J. I. Boyd	Creston	Harry McAllister	Creston
Swift & Co.	Creston	Swift & Co.	Chicago, Ill.	H. C. Larsen	Creston
Van Buren County—					
Linder-Iverson Co.	Keosauqua	C. M. Reeve	Keosauqua	C. M. Reeve	Keosauqua
Keosauqua Creamery Ass'n	Keosauqua	C. M. Reeve	Keosauqua	C. M. Reeve	Keosauqua
Wapello County—					
F. G. Buxton Creamery Co.	Ottumwa	F. Grattidge	Buxton	Frank T. Thill	Ottumwa
Swift & Co.	Ottumwa	C. A. Peacock	Chicago, Ill.	Ed. McFarland	Ottumwa
Yorkshire Cry. Co.	Ottumwa	G. M. Foster	Ottumwa	C. G. Farr	Ottumwa
Graham & Garrison Milk Co.	Ottumwa	W. S. Graham	Ottumwa	D. Dayton	Ottumwa
Wyatt Produce Co.	Ottumwa	William Wyatt	Ottumwa	Clifford Rowland	Ottumwa
Vandelo's Milk Company	Ottumwa	Wm. J. & J. F. Vandelo	Ottumwa	Harry W. Hamilton	Ottumwa
Warren County—					
Indianola Creamery Co.	Indianola	M. J. Van Dam	Indianola	M. J. Van Dam	Indianola
Washington County—					
Reister Creamery	Washington	W. S. Reister & Sons	Washington	H. J. Hays	Washington
Wayne County—					
Jas. J. Humphrey, Jr.	Humeston	J. L. Humphrey	Humeston	Ralph King	Humeston
Water County—					
Pt. Dodge Creamery Co.	Pt. Dodge	A. H. Sayles	Pt. Dodge	B. Jensen	Pt. Dodge
Quincy Co-op. Creamery Co.	Quincy	Ruby Youngquist	Quincy	P. E. Preston	Quincy
Winnebago County—					
Buffalo Center Co-op. Cry. Co.	Buffalo Center	Geo. Jutting	Buffalo Center	Ben Swanson	Buffalo Center
Forest City Co-op. Cry. Ass'n	Forest City	J. E. Reed	Forest City	Soren Kristman	Forest City
Lake Mills Creamery Co.	Lake Mills	D. E. Groe	Lake Mills	Carl Haylund	Lake Mills
Leland Co-op. Creamery Co.	Leland	R. W. Branstad	Leland	Albert Bakken	Leland
Lusk Co-op. Creamery Co.	Rake	A. A. Stollon	Rake	A. B. Cash	Rake
Scarville Creamery Ass'n	Scarville	A. W. Larsen	Scarville	Chas. Hanson	Scarville
Thompson Co-op. Creamery Co.	Thompson	N. K. Anderson	Thompson	Walter Thompson	Thompson
Vine Creamery Ass'n	Scarville, 2 mi. W.	A. C. Engelstrom	Scarville	Gay Hovland	Scarville
Winnebesh County—					
Calmar Creamery Co.	Calmar	A. A. Olson	Calmar	H. A. Fjeldstul	Calmar
Decorah Farmers Ice & Cury Cry. Co.	Decorah	H. A. Lubke	Decorah, R. 3	N. M. Larson	Decorah
Festina Co-op. Creamery Co.	Festina	J. B. Hunkler	Festina	Wm. Schuler	Pt. Atkinson, R. 1
O. A. Foster Creamery	Ridgeway	O. A. Foster	Ridgeway	A. Sanderson	Ridgeway
Haberman Creamery	Pt. Atkinson	Geo. Haberman	Pt. Atkinson	Geo. Haberman	Pt. Atkinson
Highlandville Creamery Co.	Highlandville	Bude & Akre	Highlandville	P. J. Bides	Highlandville
Lincoln Creamery Co.	Ridgeway	H. L. Vemurk	Ridgeway	Leon Quilty	Ridgeway
Nordness Creamery Co.	Decorah	G. O. Remmer	Decorah	C. H. Kalsrud	Decorah
Pleasant Co-op. Creamery Co.	Canoe, R. D. from Decorah	Edward Lund	Decorah, R. 2	H. E. Haugen	Decorah, R. 2
Silver Springs Creamery Co.	Ossian	H. P. Nicholson	Ossian	O. O. Haug	Ossian
Woodbury County—					
Blue Valley Creamery Co.	Sioux City	R. H. Vansant	Chicago, Ill.	A. C. Z. Mortensen	Sioux City
Hainford Creamery Co.	Sioux City	A. D. Hland	Sioux City	J. A. Rathen	Sioux City
Hainford Produce Co.	Sioux City	H. G. Schumcke	Sioux City	M. O. Wheredock	Sioux City
Swift & Co.	Sioux City	C. A. Peacock	Chicago, Ill.	E. V. Jones	Sioux City
Sioux City Co-op. Dy. Mfg. Ass'n	Sioux City	J. D. O'Bryan	Lords	R. B. Strand	Sioux City
Sunlight Produce Co.	Sioux City	A. W. Anderson	Chicago, Ill.	M. Rensburg	Sioux City
Worth County—					
Farmers Butter & Cheese Ass'n	Northwood	Oliver Knutson	Northwood	H. C. Stadel	Northwood
Farmers Co-op. Cry. Ass'n of Tenn.	Northwood	O. K. Storr	Northwood	Elmer Anderson	Northwood
Farmers Creamery	Grafton	F. M. Glasel	Grafton	P. Refsdahl	Grafton
Farmers Creamery Co.	Kennett	Hilmen Garder	Kennett	E. P. Conway	Kennett
Farmers Creamery Co.	Manly	G. J. Mueller	Manly	R. L. Anderson	Manly
Fertile Co-op. Dairy Co.	Fertile	E. L. Lumsden	Hanlontown	H. P. Engen	Fertile
Hanlontown Creamery Co.	Northwood, 9 mi.	E. A. Gudvangen	Hanlontown	E. A. Gudvangen	Hanlontown
Harland Creamery Co.	N. W.	E. E. Bren	Northwood	N. O. Dahlin	Northwood
Joice Creamery Co.	Joice	J. M. Paulson	Joice	J. H. Hagen	Joice
Wright County—					
Clarion-Hutchinson Co.	Clarion	Tom Walpole	Cedar Rapids	H. H. Shander	Clarion
Farmers Creamery Co.	Belmond	O. M. Jensen	Belmond	C. H. Jennings	Belmond
Goldfield Co-op. Creamery Co.	Goldfield	C. M. Clausen	Goldfield	E. A. Cline	Goldfield

Six counties without creameries—Preston, Ida, Lucas, Monona, Monroe and Ringgold.
cen Centralizer. c Co-operative. i Individual.

CHEESE FACTORY LIST

Name of Factory	Location	Name of Proprietor	Address of Proprietor	Name of Cheesemaker	Address of Cheesemaker
Almona County— Valley Mills Cheese Co.	Almona, R. 2	Mrs. Dell Rose, Sec.	Luana, R. 2	Gerber	Moneta, R. 2
Forest Mills Cheese Co.	Postville	Postville State Bank	Postville	E. E. Austin	Postville
Hanover Cheese Factory	Dorchester	T. J. Fitzgerald, Mgr.	Dorchester	G. Summery	Dorchester
Crawford County— Armour Creameries	Denison	Armour & Co.			
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 Hins	Anamosa
Mitchell County— Jamestown Cheese Factory	Riceville	John Stettler	Riceville	John Stettler	Riceville
Winnebago County— Frankville Farmers Cheese Co.	Postville, R. D.	J. E. Kneeshen, Sec.	Postville, R. 3		
Wright County— Eagle Grove Cheese Factory	Eagle Grove	R. B. Giese, Mgr.	Eagle Grove		

CONDENSED MILK LIST

Name of Factory	Location	Name of Proprietor	Address of Proprietor
Carleton Milk Products Company	Waverly	Paul R. McKee, Secretary	Box 348, Waverly, Iowa
Des Moines Milk Products Company	Des Moines	A. R. Carmichael, Mgr.	Box 348, Waverly, Iowa
H. W. Carver Milk Co.	Independence		Independence

State of Iowa
1928

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Dairy and Food Division

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