The Dairy Industry in the United States

Its Remarkable Development in All Sections, and Especially in the Mississippi Valley

A STUDY of the census reports of the last 50 years gives one a very good general idea of the growth of the dairy industry in the country for that period and to anyone not familiar with the development of this important industry such a study cannot help but result in surprises at the magnitude which the industry has assumed.

The dairy industry must necessarily be divided into two distinct classes—that of the farm and of the factory. Dividing it in this way, we find a total butter production of 1,462,650,147 pounds, of which 1,071,745,127 pounds were produced on farms and the remainder in factories. The number of farms engaged to a greater or less extent in the manufacture of dairy products in the United States is 4,514,220 and the following tabulated summary shows the quantities and values of the dairy products sold from these farms annually:

Milk sold, 2,124,915,342 gallons	$181,857,023
Cream sold, 20,758,462 gallons	8,807,232
Butter sold, 318,179,628 pounds	85,908,498
Cheese sold, 14,082,242 pounds	1,337,461
Total value of dairy products sold from farms	$281,910,214
Total, value of such products consumed on farms	104,758,286
Aggregate value of dairy products on farms, 1899	$372,388,500

Over one-half, or 50.3 per cent., of the butter reported from farms was made in the north central division, and 13.2 per cent. in the north Atlantic. The former division sold 55 per cent. of its farm butter and the latter division 96.2 per cent. This shows where the surplus farm, or "dairy," butter is made. The south central division sold only 6.2 per

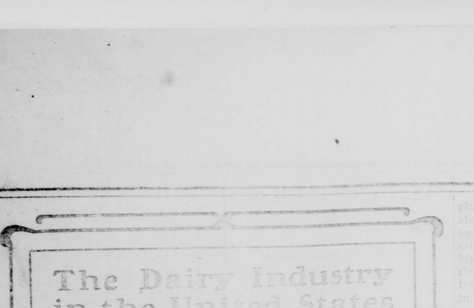


DIAGRAM SHOWING NUMBER AND DISTRIBUTION OF MILCH COWS IN THE UNITED STATES, 1900.

cent. of its farm product; the south Atlantic division only 4.7 per cent., and the western division only 2.9 per cent.

It may be supposed that the returns of butter made on farms were as accurate as reported for the censuses of previous years as for that of 1900. Comparisons are therefore in order. The total product on farms reported every ten years from 1850 to 1899, inclusive, is given in Table X., on page 48. The farm butter product per capita of population has been as follows: Census of 1850, 12.51 pounds; census of 1860, 14.57 pounds; census of 1870, 12.02 pounds; census of 1880, 15.50 pounds; census of 1890, 16.30 pounds, and census of 1900, 14.96 pounds of farm butter per capita per annum. Since 1890, and including that year, creamery butter also has been produced in rapidly increasing quantities. Therefore the per capita production of farm butter has been quite variable, and although the rate increased during the decade prior to 1890, notwithstanding a very large increase of creamery butter during the same period, the last decade shows a decrease in rate exceeding anything previous; while, at the same time, the total production of butter on farms, as reported by the Twelfth census, was somewhat greater than ever before.

The five states producing the greatest quantity of butter on farms were, in the order named, Ohio, New York, Pennsylvania, Iowa and Michigan. Together they produced one-third of the total.

Great as the dairy interests of the farm yet are, they are gradually being transferred from the farm to the factory. The cows and the milk are still a part of the farm product, but the converting of milk into butter and cheese is more and more becoming the work of a factory. Previous to 1850 the creamery was unknown in America, but since that time the number of these factories has grown with an increasing rapidity that threatens in time to absorb the entire butter and cheese manufacturing interests of the country.

The census of 1850 noted the existence of but eight cheese factories, and no butter factories. The number had increased but little in 1860. During the ten years that followed, however, a great impetus was given the creamery industry, and in that year the census report showed a total of 1,312 creameries, making both butter and cheese. In 1870 to 3,882; in 1890, 4,712, and so rapid was the increase during the decade following that year that by 1900 the number of creameries in operation was 9,202.

The greatest growth in numbers and output of manufactured product has been in the north central states. Illinois now has 527 creameries, Iowa 907, Indiana 112, Michigan 288, Minnesota [illegible] Ohio 479, Wisconsin 2,018. The latter state has the greatest number of creameries in the United States.



Diagram showing cheese and butter production in the census years—factory production and [illegible] the reverse was true. According to the [illegible] census the five states showing the greatest production of butter were Iowa, New York, Pennsylvania, Illinois, Ohio, Wisconsin held the ninth

New York and Wisconsin contribute [illegible] to the eleventh, counts the per capita supply was 16.32 pounds from the farms and 2.91 pounds from the factory, or 19.24 pounds in all. In 1890 the average was 15.30 and 0.88 pounds, or 16.18 per capita.

As a rule the states producing the greatest quantities of butter in factories are those in which the quantity of butter produced on farms which is [illegible] the greatest, the exceptions being [illegible] Pennsylvania, New York and Illinois produced more than farms, but in Iowa, Minnesota and Wisconsin creameries made 760 pounds and Illinois 50 pounds. In Iowa and Wisconsin creameries made from 1,000 to 4,000,000 pounds of butter a year. For the entire country the average product of a creamery is [illegible] pounds of butter. Similar differences exist among the cheese factories; the largest are in New York, where the average product is 57,000 pounds a year, while in Wisconsin, where there are many small factories, the average is brought down to 61,000 pounds. In Michigan and Pennsylvania the average is 75,000 or 76,000 pounds. The annual product of the average cheese factory for the whole country is a little larger than for the average creamery, or nearly 100,000 pounds. A few report the production of 1,000,000 to 1,500,000 pounds a year.

This aggregate and production of butter is at the rate of 342 pounds to every voter, 161 of land area in the United States, exclusive of Alaska, and furnishes a supply of 19.57 pounds per capita of the population, being 14.96 pounds of farm dairy butter and 4.61 pounds of creamery butter. According

THE SUND[illegible] SCHOOL.

[illegible] in th[illegible]

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You cannot do God's work with the devil's wages.

There are many kinds of Christians, but only one Christ.

There can be no living Christianity without a living Christ.

The man who is winking at iniquity to-day will be working with it to-morrow.

Good works is not the price of a ticket to Heaven, but the proof of the right to enter there.—Ram's Horn.

GAMBLING WITH FATE

By WILLIAM WALLACE COOK

Author of "The Gold Gleaners: A Story of the Cripple Tunks," "Willy's Dan," "The Friendless Enemy," "Rogers of Butte," Etc., Etc.

(Copyright, 1903, by William Wallace Cook)

Continued from 1st page.

"He's out of town," said the clerk.

A shadow of disappointment crossed Darrell's face. His hand was without a moment's hesitation.

"If I left a few lines for him would he see them if he gets back?"

"Reckon he would. He always comes to the office after a trip into the hills."

"Where can I write?"

"Step right into his private room. Stranger in camp?"

"Yes."

"Know Murgatroyd?"

"I've known him for a good many years."

Darrel was ushered into the other apartment and the clerk placed paper, pens and envelopes at Darrel's disposal. As he seated himself, Darrel saw a revolver lying on the desk by the inkwell.

The weapon had an ebony stock, carved with a death's head. It was Murgatroyd's, as Darrel well knew, and by what chance had its owner gone into the hills without it?

The clerk noticed Darrel's curious glance at the firearm.

"That's the old man's," he vouchsafed; "first time I ever knew him to go away and forget it. Make yourself at home. What name did you say?"

"Nathan."

"All right, Mr. Nathan. Nothing in this layout is too good for the old man's friends. If you don't see what you want, ask for it."

"Much obliged."

The clerk withdrew and resumed his work in the outer office. Picking up the pen, Darrel wrote as follows:

"Mr. Darrel presents his compliments to Mr. Murgatroyd and desires to state that he is now in town awaiting Mr. Murgatroyd's pleasure. Mr. Darrel also wishes it known that he can be found this evening at Mr. Hawkbill Henderson's. He trusts Mr. Murgatroyd will embrace his opportunity."

Darrel knew his arrival in camp would be noised abroad and reach his enemy's ears. Murgatroyd's absence from Sandy Bar, therefore, made a sudden and unexpected meeting impossible.

Darrel therefore desired the notification to come through himself, in his own way. Having addressed the envelope, he inclosed the folded sheet, laid the communication on the desk and placed the revolver on it for a paperweight.

Then, lighting a cigar, he leaned back in the chair, wondering why fate couldn't be kind and send Murgatroyd to him as he was then—in his enemy's own room with his enemy's own revolver within easy reach. Presently the artfulness of Murgatroyd's character suggested something and the revolver suggested something else.

Picking up the weapon, Darrel pressed a spring and turned the barrel down, revealing the cylinder. Six cartridges nestled murderously under his eyes.

He listened intently. The scratch, scratch of the clerk's pen came to him monotonously.

One by one he extracted the cartridges and then, by means of a sharp pointed steel letter opener he embedded deeply in each leaden slug the initial "M." To replace the cartridges and return the revolver to its original place by the inkwell took but a moment.

Next, Darrel recovered the pen and continued his writing.

"In the event that Mr. Nathan Darrel, in whose pocketbook this message is placed, should be made a victim of foul play, he respectfully suggests the following for the coroner's consideration:

First—The fact that Lester Murgatroyd has sworn to shoot Nathan Darrel on sight.

Second—The fact that a covert attack has ever been preferred by Lester Murgatroyd to a meeting in the open.

Third—The fact that the bullets in Lester Murgatroyd's revolver have been marked with the letter "M."—Note: The letter "M" might be mistaken for "W" and technicalities have more than once saved Murgatroyd.

A word to the wise, etc."

Folding the sheet Darrel placed it in a red Morocco purse taken from his breast pocket. Immediately afterwards he got up and passed into the other room.

"Get through?" asked the sallow faced young man.

"Yes," said Darrel. With a pleasant "good afternoon" he left the office and turned his steps in the direction of one of the two hotels which the town boasted.

SOME SEVERE REFLECTIONS.

Some men talk and talk, and never seem to get relief.

Self-made men generally act as though they were proud of their job.

Some men are not to blame for not being gentlemen. They don't know how.

To be well preserved, a woman, like fruit, needs a good deal of sugar in her composition.

The hard-luck man wouldn't trouble us at all if he wouldn't insist on telling us about it.

It is always a sad moment when Titania rubs the lotion off her eyes and notices Bottom's ears for the first time.—N. Y. Times.

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Eight months ago I was so ill that I was compelled to leave off down nearly all the time. My stomach was so weak and upset that I could keep nothing on it and I vomited frequently. I could not urinate without great pain and I coughed so much that my throat and lungs were raw and sore. The doctors pronounced it Bright's disease and others said it was consumption. It mattered little to me what they called it and I had no desire to live. A sister visited me from St. Louis and asked me if I had ever tried Wine of Cardui. I told her I had not and she bought a bottle. I believe that it saved my life. I believe many women could save much suffering if they but knew of its value.

Georgia Dunbar

Don't you want freedom from pain? Take Wine of Cardui and make one supreme effort to be well. You do not need to be a weak, helpless sufferer. You can have a woman's health and do a woman's work in life. Why not secure a bottle of Wine of Cardui from your druggist today?

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TWO GREAT CONTESTS

The first contest will be on the July 4th attendance at the *St. Louis World's Fair;* the second relates to *Total Vote For President* to be cast Nov. 8, 1904. *$20,000.00* will be distributed in each of these contests, making *$40,000.00* on the two, and, to make it still more interesting, in addition to this amount, we will give a **Grand First Prize of $5,000.00** to the one who is *nearest correct on both contests*, and thus your estimates have two opportunities of winning a big cash prize.

Five Lion-Heads cut from Lion Coffee Packages and a 2 cent stamp entitle you (in addition to the regular free premiums) to one vote in either contest:



Printed blanks to vote on found in every Lion Coffee Package. The 2 cent stamp covers the expense of our acknowledgment to you that your estimate is recorded.

WORLD'S FAIR CONTEST

What will be the total July 4th attendance at the St. Louis World's Fair? At Chicago, July 4, 1876, the attendance was 28,274. For nearest correct estimates received in Woolson Spice Company's office, Toledo, Ohio, on or before June 30th, 1904, we will give first prize for the nearest correct estimate, second prize to the next nearest, etc., etc., as follows:

1	First Prize	$2,500.00
1	Second Prize	1,000.00
2	Prizes—$500.00 each	1,000.00
5	Prizes— 200.00 "	1,000.00
10	Prizes— 100.00 "	1,000.00
20	Prizes— 50.00 "	1,000.00
50	Prizes— 20.00 "	1,000.00
250	Prizes— 10.00 "	2,500.00
1900	Prizes— 5.00 "	9,000.00
2130	PRIZES,	TOTAL, $20,000.00

PRESIDENTIAL VOTE CONTEST

What will be the total Popular Vote cast for President (votes for all candidates combined) at the election November 8, 1904? In 1900 election, 13,969,581 people voted for President. For nearest correct estimates received in Woolson Spice Co.'s, office, Toledo, O., on or before Nov. 5, 1904, we will give first prize for the nearest correct estimate, second prize to the next nearest, etc., etc., as follows:

1	First Prize	$2,500.00
1	Second Prize	1,000.00
2	Prizes—$500.00 each	1,000.00
5	Prizes— 200.00 "	1,000.00
10	Prizes— 100.00 "	1,000.00
20	Prizes— 50.00 "	1,000.00
50	Prizes— 20.00 "	2,500.00
250	Prizes— 10.00 "	6,000.00
1900	Prizes— 5.00 "	9,000.00
2130	PRIZES,	TOTAL, $20,000.00

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