

BUTTER LOST

BY
IMPERFECT
SKIMMING

THE SIMPLEX SEPARATOR

SHOWS LOWEST PERCENTAGE



Yearly Losses in Butter Due to Incomplete Skimming

PER CENT. LOST IN SKIM MILK	LOSS ON ONE COW	LOSS ON FIVE COWS	LOSS ON TEN COWS
	6000 lbs. Milk per Year	30,000 lbs. Milk per Year	60,000 lbs. Milk per Year
.01 per cent	0.63 lbs. \$0.16	3.15 lbs. \$0.79	6.30 lbs. \$1.68
.02 per cent	1.26 lbs. \$0.32	6.30 lbs. \$1.68	12.60 lbs. \$3.15
.04 per cent	2.52 lbs. \$0.63	12.60 lbs. \$3.15	25.20 lbs. \$6.30
.06 per cent	3.78 lbs. \$0.95	18.90 lbs. \$4.73	37.80 lbs. \$9.45
.08 per cent	5.04 lbs. \$1.26	25.20 lbs. \$6.30	50.40 lbs. \$12.60
.10 per cent	6.30 lbs. \$1.68	31.50 lbs. \$7.88	63 lbs. \$16.75
.15 per cent	9.45 lbs. \$2.37	47.25 lbs. \$11.92	94.50 lbs. \$23.63
.20 per cent	12.60 lbs. \$3.16	63 lbs. \$15.75	126 lbs. \$31.50

On account of the great importance of studying the losses of butter fat due to imperfect skimming, caused either by an inefficient separator, unfavorable conditions, or vibrations due to the bowl being out of balance, the following table is given. It will be found doubly useful to you because of the fact that the loss of Butter Fat due to bowls being out of balance is now receiving general attention. The fact that the "Simplex" has the only Self Balancing Bowl makes it of special interest to "Simplex" users.

The capacity of the Simplex Separator is based on the most unfavorable conditions, but the loss of Butter Fat under the worst conditions will not be greater than .02 per cent. Under favorable conditions the loss will be down to .01 per cent or less.

D. Derbyshire & Company

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HEAD OFFICE MONTREAL, P.Q.

MANUFACTURERS OF

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Special Machines Designed for Dairies

WRITE FOR CATALOGUE.

It is desirable to mention the name of this publication when writing to advertisers.

Mechanical Cow Milker

A bulletin, from the Pennsylvania State Agricultural Experiment Station, giving the report of a test of a mechanical cow milker has just been issued. The results of the trial are given in the following summary:

1. It required from two or three times as long to milk a cow with the machine as would be required by a good hand milker, but one operator can handle two or three machines so he can milk four or more cows with the machine in less time than he could milk the same number by hand.
2. In general, cows were milked cleaner as they became accustomed to the machine but individuals varied widely in this respect. Two of the cows tested could never be milked with the machine without leaving one or more pounds of strippings while the others were often milked as completely as would be done by hand under ordinary circumstances.
3. No difference in yield of milk was observed that could be attributed to the machine milking, but there was usually a slight drop when changing from one method to the other, always in changing from hand to machine milking.
4. No injury to the udder took place that could with certainty be attributed to the use of the machine.
5. The general condition of all the cows remained good during the entire experiment.
6. Wide variations in the flavor and keeping qualities of milk were observed from different cows, but the quality of the milk from each cow remained practically constant whether she was milked by hand or machine.

The Movement for Good Roads

"It is very unfortunate that the farmer's have been averse to spending money on the roads in some parts of the country. Farmers have taken a narrow view of the situation. The value of their farms a d property is increased by good roads. Undesirable roads have a tendency toward cruelty to horses compelled to haul farm products on such thoroughfares. The people of Canada should bear in mind that men only of the greatest ability and of the highest position should be appointed to take care of the roads, which are a most essential element in the stability and development of the country.

"The building of new railways is of immense value to a country, and naturally the prosperous farmer should be desirous of procuring good roads to communicate with the railways. There has been a disposition on the part of our young people on the farm to seek their subsistence and livelihood in cities and towns. But the development of commercial enterprises in the neighborhood of towns has had much to do with stopping this migration. Then, again, the establishment of good roads is an important factor relative to the social intercourse on the farm."

With these significant words Lieutenant Governor Clark opened the 5th annual convention of the Western Ontario Good Roads Association in Toronto last week.

Representatives from counties where the government plan for good roads is in operation explained how these roads were constructed and maintained. They had been received with public favor by the people. Some counties had appointed road superintendents, who are doing excellent work.

Mr. W. J. Gage said that 150 miles of good roads had been completed in Wentworth county without advancing the taxes and that the permanency of the roads depended entirely upon the class of material used. The county had helped farmers to overcome the snow problem by building wire fences.

Mr. John Coffee, stated that it cost from \$300 to \$500 a mile to build 480 miles of good roads in the county of Simcoe.

Mr. S. A. Egan explained the success which the good roads system had had in Peel county, Ontario county, Colonel Farewell, secretary, explained farmers had gotten a wrong impression of the system, because of the lack of information and thought that the introduction of the system would mean the mortgaging of their farms to meet the increased taxation. The county council had turned the proposition down. The feeling prevailed in some sections that good roads were built for automobiles and cyclists, and suggested that something be done to remove this impression.

One of the leading addresses of the convention was given by A. W. Campbell, Deputy Minister of Public Works. He strongly advocated the adoption by county councils of the government scheme for good roads.

In future the association will be known as the Ontario Good Roads Association. The government will be asked to make a grant to assist its work.

Mr. W. H. Pugsley, Richmond Hill, was re-elected president and Colonel Farewell, Whitby, secretary-treasurer.

Gaining in Popularity

Every day our circulation department receives many letters from new and old subscribers, stating that they are much pleased with The Canadian Dairyman and Farming World.

Many of our readers are meeting with success in obtaining new subscriptions for us. The cash prizes, and the pure-bred stock, which we are offering as premiums in return for new subscriptions, are certainly worth working for. Full particulars regarding this offer, will be found in this issue.

Following is what a few of our subscribers tell us:

I like The Canadian Dairyman and Farming World very much, and from an agricultural standpoint I don't see how I could do without it.—H. Reynolds, Norham, Ont.

I would indeed be lonesome at least once a week if I did not receive The Canadian Dairyman and Farming World. It is spicy and full of good information.—D. M. Wilson, State Dairy Commissioner, Manhattan, Kansas.

I am pleased that you have opened the fight for Rural Free Delivery, in which you have the backing of the best from the farm.—J. B. Warren, Greenbridge, Ont.

I have been taking The Canadian Dairyman for some time and have noticed the decided change which has taken place therein—a change, without doubt, for the better. I believe it is a paper now well worth while for a farmer or dairyman to have, even here in Alberta, as it covers more ground than ever before, and has within its pages many valuable hints on all lines of agriculture.—Fred H. Hunter, secretary Dairyman's Association of Alberta, Didsbury, Alta.

I am a subscriber to The Canadian Dairyman and Farming World. I feel proud of it, and think that every farmer ought to take it.—W. H. Smith, Oklawaha, Ont.

I was greatly pleased to see the improvement that has been made in The Canadian Dairyman and Farming World. I feel sure that now it will be a very popular paper among farmers and dairymen.—Thomas Morrin, Lacute, Que.

I have been a subscriber to The Farming World for some time. I am greatly pleased with the change that you have made. I find that you always have the markets very exact.—Samuel Davidson, Edys Mills, Ont.

We shall be glad to hear from any of our readers who care to write to us. Tell us how you like the paper as now published.