Cream Sampling

Jas. Syensen in The Dairy Record
Of all the work done in the creamery, prosably none is of greater importance than getting correct samples,
for testing of all milk and cream delivered. When each lot of cream is
tested daily, the method of sampling,
does not need to be given the attention which is necessary when composite samples are taken. The cans
of cream must of course be thoroughly mixed, but if the cans are dumped
into a larger can and then well
attired, it does not matter if the sample taken for testing is large or
ple taken for testing is large on
into another the sampling can be done
with no didnary dipper. If the samples are classed at once they should
be kept tightly correct to avoid eraprices are cheesed at once they should
be kept tightly correct to avoid erawhen composite samples are taken Jas. Scrensen in The Dairy Record.

poration of moissure.

When compaste samples are taken of cream it is important that a proportionate sample is taken, and when sweet cream is handled, we believe that the tube sampling will give very satisfactory results, as the size of the sample taken will be in proportion to the amount of cream sampled. It is important that the sample and bottles are inportant that the sample bottles are kept ti, tily overed, and the glasscoppered better will be found the scoppered better will be found the scoppered better will be found the scoppered better the scope of the sc important that the sample bottles are

sults in unfair discrimination in favor of the uncovered samples.

To get satisfactory results from composite testing a proportionate sample should be taken, and the sample bottles should be top tightly covered, and after the day's run they should be kept in the refrigerator, as the lower temperature will help to keep the samples in good condition and avoid evaporation of moisture.

Educational Work among Patrons

F. Brown, Grenville Co., Ont.

F. Brown, Greneille Co., Ont.
There is no way, to my mind, in
which so much good can be done in
clueating the patron to care for his
milk and to avoid tampering with it
as frequent vitals from the instructor.
On my experience in the cheese busihave found that most good has
have found that most good has
have found that most good as
and visits at the viral special meetings
and visits at the viral form.
Patrons are being mind.

and visits at the various farms.

Patrons are being fired all the way from \$5 to \$50 for perhaps taking only what they think is good milk from their can for table use. Others are allowed to go free that are sending milk that will turn out a smaller amount of cheese and of a poorer amount of cheese and of a poorer would have to be impured. Jess fines are acurse to the factory and a disgrace to the community. to the community.

to the community. Some peop's wonder at their neighbor for taking a little cream from their can to make a cake or for their taken as a result have them fined, but the same people think it is all right to fill their cans with their neighbor's whey for the aske of their pigg' atomaches. There is no law against thanks. their pigs' stom

I believe in the dual purpose cow. If the calves of pure-bred dairy cat'ac can be sold at fancy prices it is sell. But half the calves are bulls, and if sold to dealers are worth \$1 issued to the calves are bulls, and if sold to dealers are worth \$1 issued to the call the calves of the calves o ge. I have Ayrshire bulls and ws, so I think I know. — Geo. K. cows, so I think I know. — Geo. Robinson, L'Assomption Co., Que.

Much Depends on HOW You Sow!

A lot depends on the seed you use—a whole lot upon how you sow it. Proper seeding means that every seed is deposited where it will get the best chance. The "tender" Disc Drill places the seed right at the bottom of the furrow because the shields go well down on the discs. No haphasard cattering of seed when you are seeding with a "Leader."

Old-time drills have disc castings of grey iron. We dis arded this method, and equipped the "Leader" Drill with malleable disc castings, giving more strength with far less weight. The discs on the "Leader" will run clean through stiff mud and heavy trash without choking. They are made of high-quality seel that will not break when you strike stones or tough roots.

The discs on the "Leader" are rigidly held at the proper cutting angle and run on chilled bearings provided with duet-proof hard oil compression cups. Other good features told about in our free booklet. Write for it.

The Peter Hamilton Company, Limited PETERBOROUGH, ONT.

Better Work Guaranteed



Sold by all John Deere Plow Co. dealers

PATRIOTISM and PRODUCTION Pin Your Faith to Live Stock

The one outstanding feature of the world's farming is that there will soon be a are one outstanding feature of the world's farming is that there will soon be a great shortage of meat supplies. Save your breeding stock. They are today Canada's most valuable asset. If you sacrifice your breeding stock now, you will regret it in the near future. Plan to increase your live stock. Europe and the United States, as well as Canada, will pay higher raices for beef, mutton, and bacon, in the very near future. Remember that live stock is the only true basis of economic and profitable farming. The more grain-you grow, the more stock you can carry. The more stock you keep, the more fertilizer for your fields. Mixed farming is real farming, not speculating.

Study this table, which was prepared before the war. Only one country increased its cattle more than its people in the past ten years. And, in it (Austraua) in 1914 there was a tremendous loss of Final Work (Austraua) and the work of the table does not always the same than the table that there is bound to be an increasing demand the same transport of the table that there is bound to be an increasing demand the same transport of the table that there is bound to be an increasing demand the same transport of the table that there is bound to be an increasing demand the same transport of the table that there is bound to be an increasing demand the same transport of the table that there is bound to be an increasing demand the same transport of the table that there is bound to be an increasing demand the table that there is bound to be an increasing demand the table that there is bound to be an increasing demand the table that there is bound to be an increasing demand the table that there is bound to be an increasing demand the table that there is bound to be a table that there is bound to be an increasing demand the table that there is bound to be an increasing demand the table that there is bound to be a table that the tabl be an increasing demand for beef? Add to this con-

SHEEP. Canadian farmers have been losing great opportunities in sheep raising and sheep feeding. Hundreds of thousands of sheep have been slaughtered to provide winter clothing for the soldlers of the different armies. Australia Losses soldiers of the different armies.
Australia's losses, through
drought in 1914, were very
heavy. Canada has been importing frozen mutton from New
Zeeland. In view of these
conditions, wool and mutton
abould prove very profitable for
Canadian sheep raisers during
the next few years.

Through the indis-

SWINE Through the indiscriminate sale of Canadian West in awine in the Canadian West in the past three months, the supply in 1916 promises to be. little more than half of 1914. Add to this the fact that the British solder is allowed by. British solder is allowed by. British solder is allowed by. ausange is the principal meet food of the German soldier, and you will understand the outlook for the future. Those who stay BEEF

Germany. United Kingdom Austria-Hungary European Russia Canada..... 12% 17% Argentine. 6% New Zealand United States 30%

year out, make money. Those who rush in and rush out, generally lose money. "Buy when others are selling, sell when others are buying," applies to live stock as well as to Wall

DARRY, Milch cows increased in Canada from 2,406,677 in 1901 to 2,504,179 in 1991. This increase did not amount to 5% and was less than one-quarier of the population increase of the population increased in the per capita co-same times the per capita co-same times the per capita co-same times of the per capita co-same times of the per capita co-same times of the per capita co-same times times the per capital co-same times times to the per capital co-same times time

The exports of Canadian cheese have been steadily declining for ten years. Look at the market prices today. Do they not suggest the advantage of increased production?

Through cow-testing, selec-

dition, the destruction of live stock of all kinds, breeding and young stock included, in the war zones. The war has merely hastened the meat shortage of the world. When it is core at the first terms of the world.

shortage of the world. When it is over, the farmer with live stock will continue to profit in the world's markets, and, in addition to having helped feed our soldiers at the front, will be in a position to reap a further reward for having stayed with the live stock industry. industry.

average annual production per ow in Canada did increase from 2,850 lbs. per cow in 1901 to 3,805 lbs. in 1911, but this is only a beginning. Last year one cow in Canada produced 26,000 lbs.

in Canada produced 28,000 lbs.
The daisymen of Dennarwho supply Great Britain with
butter and bacon are not astisfled unless their hereta average
10,000 lbs. per cow. Let Canadian daisymen work to increase
the productiveness of the milch
cow. Breed for milk. Test
your cows. Sure your calves.
Your cows. Sure your calves.
You cows. Sure your calves.
The company of the company calves
you cows. Greed for
yield. Read the agent of the company and
bulletins on dairying.

CONFERENCES

Now that you have attended the Conferences, or have read about them, get together and talk things over. Also write to the Publications Branch, Canadian Department of Agriculture, Ot-tawa, for bulletins and reports on live stock and dairying.

Canadian Department of Agriculture, Ottawa, Canada