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Greamery Department
Butter Makers are invited to send contributions to this department ask questions on matters pelating butter may appear and properly of discussion. Address your gest subjects for discussion. Address your litters to the Creamery Department.

Board Meeting of Western Dairymen

A meeting of the board of directors of the Western Ontario Dairymen's Association was held in the secretary's ffice, London, Feb. 2nd. Mr. Frank Ierns was appointed secretary-treas-Herns was appointed secretary-treas-urer for 1999. A committee was ap-pointed to meet a similar committee that may be appointed by the Eastern Dairymen's Association to consider the proposition of conducting a Dairy Perm Convestition. Farm Competition

It was decided that in case the On It was decided that in case the Ontario Department of Agriculture did not wish to take up the Dairy Herd Competition this year, that the association will deconder such a competition along similar lines as last year, definite amouncement to be made some time in April. A committee was appointed to select a city for holding the next convention. The office of official proceedure was continued on official proceedure was continued on official prosecutor was continued on similar lines as last year.

A committee was appointed to meet similar committee from the Eastern ntario Dairymen's Association to ontario Dairymen's Association to of Agriculture re "legislation for makers' certificates." "the building of makers certificates." The building of small factories in sections already well served by existing factories," and other matters in the interest of the dairy industry.

dairy industry.

District meetings are being arranged for Western Ontario from Feb. 15th to 26th. Dates place of meetings, and speakers will be announced later.

Fairness of Composite Test

Fairness of Composite Test

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We have been experimenting during the past season with reference to the fairness of a composite test of cream, but as our work is not com-pleted we should prefer saviecream, but as our work is not com-pleted we should prefer saying very little about it at present. We find that in some cause there might be quite a difference between actual fat deliver-ed, as determined by daily test and the fat which might be credited by means of a composite sample. How-ever, on the whole. I am inclined to think that unless creameries are prethink that unless creameries are prethink that unless creameries are pre-pared to put a special man in to do the testing, or have the samples sent to some central point, which is almost

patrons, to test samples from these twice a week would mean that one man would be employed at it all the man would be employed at it all the time. This is undoubtedly the best way to do testing, but I do not think it practicable under present conditions. It altogether likely that the variations which occur in daily delivery and the total the composite sample at the end of the month will represent fairly well the average test of individual samples. It aliquoit test of individual samples. It aliquoit est of individual samples. It aliquoit will represent fairly well the average test of individual samples. If aliquot samples were taken from each deliv-ery of cream, say I c.c. for each pound of cream it would no doubt tend to give better results with the composite, sampling, a possibly in tend to give better results with the composite sampling, e-pocially in cases where there is considerable variation in the weight of crean delivered. We hope to have some further data on this point during next year.

—H. H. Dean, O. A. C., Guelph.

Cream Will Not Churn

Cream Will Pool Churn
What is wrong with cream when it foams and will not clurm. The cream, is kept warm. I always the clurm the cream before mixing it together. I am careful to wash the cowe 'udders.
The cows are well housed and set on hay, straw, shorts, bran and corn, one owe freshened in June, one in April. The cow freshened in June, one in April. The control of the company of the control of the company of the company of the control of the company of the company

There may be several reasons why ream will not churn easily. The length of time the cows have been milking; the kind of feed they get; the condition of the cream as to thinthe condition of the cream as to the ness and acidity; and the temperature at churning. Cream from a cow that has been milking for a long period is frequently hard to churn. Keep the to some central point, which is almost impracticable, my judgment is that the composite sampling is the only has been milking for a long period is practicable method of testing in creameries as operated today.

Where creameries have 200 to 500

cream. Cream from cows fed on dry food is often hard to churn. A little succulent food such as silage or roots will help. Do not feed turnips as they will flavor the butter. Feed man-gels or sugar-beets instead. Thin or sugar-beets instead. Thin gers or sugar-neets instead. Thin cream is always harder to churn than thick cream. The less skim-milk there is in the cream the easier it will churn

churn.

Then sour cream will churn easier than sweet cream. Care should be taken not to have it too sour or the butter will not be of good quality. The chief difficulty in making butter on the farm in winter comes from low the company of the company of the company. temperature in churning. This may be the cause of the trouble our cor-respondent has. If he has no therrespondent has. If he has no thermometer he should get one and find out at what temperature he has been out at what temperature he has been churning. Any kind of cream can be churned, if the temperature is made churned, if the temperature is made high enough, even up to 80 degrees. The temperature at which cream may be churned ordinarily may vary from 48 to 70 degrees. We would advise be churned ordinarily may vary from 48 to 70 degrees. We would advise J. E. M. to try churning at about 60 degrees. If that does not help, raise the temperature to 70 degrees if nec-

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New Zealand's Dairy Output

New Zealand's Dairy Output
The report of the Dairy Division for
New Zealand for the year ending
March 31st, 1998, has just been received. In view of the fact that New
Zealand cheese has become a more
important factor in the market the
matter contained in this report is of
interest to Canadians. Climatic conditions have interfered with the production of dairy products there as
well as in Canada. One is surprised
to find that they have severe winters. to find that they have severe winters there. The following extract has a familiar ring about it:

familiar ring about it:

"A sever winter left the cows in a condition which was not the best for starting the spring's work. With many cows calving while in poor condition at the beginning of the season this important result (maximum production) was largely lost to a number of farmers. The cold, wet spring was unfavorable for the early regaining of depleted strength and vitality, and, as a consequence, cows were a long time in becoming capable of their b-si

work."

The high prices current during the earlier half of the year under review were the means of influencing many creameries to make cheese instead of butter. Provided cheese prices keep in advance of hutter more cheese will. butter. Provided cheese prices keep in advance of butter more cheese will continue to be made. During the season butter prices advanced to a high point for about a week, which tended to create a feeling that the thange to cheese had been ill-advised. But the price of butter returned to the former level and this feeling has subsided. We gather from the trend of this sero port that so long as conditions as report that so long as conditions as report that so long as conditions as the values of cheese and butter remain as they were during 1907-1908. We Zealand will continue to convert a large share of her milk products into cheese rather than into butter. The total quantity of butter exported for the year was 250,950 cwt. valued at £1,449,271, a decrease of 49,360½ cwt. in quantity and £212,032 in value n advance of butter more cheese will



HOW I.H.C. CREAM HARVESTERS HELP MAKE BETTER CALVES

THERE are indirect as well as direct benefits in using I. H. C. Cream Harvesters,
Everybody knows that the Cream Harvester will save labor, Everybody knows that the Cream Harvester will have industry save time and get more butter fat out of the milk than you can get by hand skimming. These are direct benefits. They are the most persuasive reasons why every dairyman should have a cream

But an indirect benefit, hardly less important, is the better

calves you can raise.

when you skim by hand the calves get the cold, tasteless, sour skim milk that has but little life in it.

If you hall cold milk that has but little life in it.

If you hall cold milk to the creamery and take back your portion of the skim milk to feed your calves, it is even worse. In addition to its being stale and lifeless you take grave chances of introducing tuberculosis into your herd.

If you have an I. H. C. Cream Harvester, It you have an I. H. C. Cream Harvester, you separate the milk while it is warm and fresh. The caives, and pigs and chickens get the skim milk before it is stale, cold and sour. A little oil meal added to this appetizing skim milk makes it an ideal food, practically as good as the whole milk.

I. H. C. Cream Harvesters are very close skimmers The saving in cream alone by using one of these machines goes far each season toward paying for the

cost of the machine if you keep a number of cows There are two styles of I. H. C. Cream Harvesters, the Dairymaid and the Bluebell,

Dairymaid Cream Harvester

This machine is chain driven, and it is made in four s-350, 450, 650 and 850 pounds capacity per hour.

Because of the simple and direct application of power from the crank to the bowl, it is exceptionally easy running and is very easily kept in order. The strongest points about this machine are its close skimming, convenien exaction and simplicity, which make it exceptionally durable. The supply can and crank are waist high, an ideal location to make the work easy. When you get a Dairymaid you can be sure you are going to get all the butter fat in the easiest possible way.

Bluebell Cream Harvester

The Bluebell is a gear drive machine. It is excep-The Bluebell is a gear drive machine. It is exceptionally well constructed. The gears are accurately cut to the thousandth part of an inch. They are thoroughly proceed from dust and milk, and they are provided proceed from dust and milk, and they are provided in the state of th



Girl either of these separators and you will get more butter fat out of your milk than one in more getting. You will get more nutritions and superintant for your calves. In our adversarial more accordance in the international local agent along as the international local agent and provided in the international local agent and internation. The international local agent and internation in the international local agent provided in the international local agent and international local agent provided in the international local agent and international local agent provided in the international local agent provided in t

CANADIAN BRANCRES: Brandon, Calgary, Edmonton, Hamilton, London, Montreal, Ottawa, Regina, Saskatoon, St. John, Wianipeg. International Harvester Company of America

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Anew sensation. Areal Watch pleasure. The big Chewing black Tobacco plug.

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