

It's All In the Bowl

And You Should Make It Your Business
To Know What The Bowl Contains

CREAM SEPARATORS should never be judged by outside appearances; examine them and find out how the separating device is constructed. Most farmers have a faint idea of how the cream is skimmed from the milk, but it will not take them long to find out that the device used in the

Simplex Link-Blade Separator

is constructed along the right lines to ensure the best results. When the Simplex bowl is examined there will be seen a series of crescent-shaped steel blades. The space between each blade acts as an independent separator; all of these spaces are fed uniformly from the bottom, and as the milk passes up it is gradually separated into cream and skim milk. There is an entire absence of mixing and intermixing as is the result when other methods of separation are employed. The name Simplex was given to this machine because it implies the fact that the device is as simple as can be constructed to do the skimming in an efficient manner. To back up the best separating device we have introduced the Self-balancing Bowl and System of Self-Centring Bearings. The result is that the Simplex Link-Blade is so far ahead of competitors that comparisons are useless. Send to-day for our illustrated booklet—it's free for the asking.



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MANUFACTURERS OF

REFRIGERATING AND ICE-MAKING MACHINERY

Special Machines Designed for Dairies

WRITE FOR CATALOGUE

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

How agricultural conditions may be improved

Before the Agricultural Committee of the House of Commons last week, Dr. James W. Robertson, C. M. G., gave a splendid analysis of the present condition of agriculture in Canada. His subject was Agriculture, and the Improvement of Conditions of Life in Rural Communities. "We have come to a stage in the history of Canada," said Dr. Robertson, "when there is not only a need for advancement in agriculture, but a chance for it as has never before occurred in the history of the race. Up till now, agriculture has been a matter of muscular labor, with only a little intelligence thrown in. In the Maritime Provinces there has been no progress in agriculture for thirty years, either in yield per acre, or other ways. The truth is not always popular, and it can only be with regret that I believe I see a deterioration of the rural population. You cannot take out of a population the progressive, forceful, young men without deterioration."

From the Maritime Provinces for many generations there has been a big migration to other provinces. The only asset worth having is a healthy, contented and prosperous population. Railways, forests and mines are not development; they are the means to that end. We hear a great deal about the development of the west, but I have not seen any. Occupation is not development, unless it is a means to improvement of the population. It is wrongly accepted that the pioneer has a right to waste nature, as long as he benefits himself. We, in Canada, while we have great stores of soil, forests, minerals, have been exhausting them, and fisheries and waterways likewise. The soil fertility of Canada is so much exhausted that the average yield per acre is a little less than one-half that of old England. Don't mistake that I am not belittling the west of Canada.

We have three vast areas. First, we have a land such as you see now, from the Atlantic for 1,000 miles west apple blossoms and clover and trees and renewable fertility. As soon as you leave that area you go into the land of all sorts of risks. Then we have the Arctic with minerals, perhaps, but no apple trees and clover. Then we have a thousand miles of prairie with trees doubtful, and clover doubtful. I haven't lost my enthusiasm for the west, but it seems to me that that part of Canada east of Lake Superior appeals more as a permanent asset. Then, there is the 500 miles of the finest mountain scenery in the world with an occasional farming valley with a few peach orchards, but though beautiful, these are small compared to the vaster area to the east."

Certificates for Record of Performance

The Canadian Ayrshire Breeders' Association has gotten out a very attractive certificate, which it gives to the owners of all cows and heifers that qualify in the record of performance test. Already 27 cows and heifers have qualified in this test, and have won this diploma. As the Ayrshire breed originated in Scotland, and this being a Canadian test, it was thought suggestive to have the flag of Scotland and the Canadian flag represented on this certificate. These flags are united by a blue streamer. The head of an Ayrshire cow, which appears on the top of the certificate is surrounded by a wreath of maple leaves and the thistle—the emblem of Canada and Scotland entwined. Then the border is made up of the emblem of Canada and the emblems of the four nationalities

principally represented in Canada. On the whole the certificate is gotten up in a very attractive manner, quite suitable for framing, and makes an attractive design, which owners of Ayrshire cattle that have qualified should be proud to display, and show to their friends with pleasure.

Stock Cars going West

Ed. The Dairyman and Farming World.—The next Association car of purebred stock is expected to leave for the west about Wednesday, June 17th. This car will go as far west as Calgary, and stock can be delivered or re-shipped at any point on the main line of the C. P. R., Calgary and East. The usual low rates will apply for stock in this shipment and applications for space should be made at once to me.—A. P. Westervelt, Director.

The Apple Trade

The Montreal Trade Bulletin, commenting upon the disastrous wind-up of the season, as regards the apple trade, says: "It is rarely that as many apples have been left over at the end of the season as is the case this year. About 10,000 bbls of Canadian apples are now en route to the English market, as there was no demand for them here. These shipments, however, do not clear off the surplus by any means, as a Toronto dealer writing to his correspondent in this city, says that there are apples to be had 'here, there and everywhere,' and what will be done with them eventually it is difficult to surmise. A few days ago a lot of 70 barrels of Western apples were sold in this market at 35c per bbl., costing originally \$1.50 per bbl. It is now only well known that the apple crop of last year in Canada was much larger than was generally reported, and the same may be said of that of the United States."

Cow Testing becoming Popular

Ed. The Dairyman and Farming World.—For the present season we have over 30 cow testing associations in Ontario, 30 in Quebec, 7 in British Columbia, and 2 in Prince Edward Island, with a strong probability of 3 or 4 having their organization completed within the next few days in New Brunswick.

As last year, we are making it as easy as possible for any dairyman to have his cows tested individually. The Department is doing the work free of all cost to patrons; that is, we are supplying all blank forms, sulphuric acid and preservative tablets, and paying the maker at each factory to do the testing. Hence, the patrons have simply to provide their own outfits of sample bottles, dipper and scales, which are always useful apart from this work. There seems a real live interest being awakened in this matter all across the continent, and we hope for a rapid spread of the work in the near future.—Chas. F. Whitney, in charge of Dairy Records.

The report from the government for the month of April shows that there were 1,536 carcasses of cattle and calves destroyed and prevented from being sent to the Old Country, on account of diseases. There were 330 hogs and 3 sheep also destroyed, making a total of 1,866.

In a report that has just reached the Department of Trade and Commerce, Mr. Armand, and Trades Commissioners Newfoundland, says that Professor Zavitz, of Guelph, is now in St. John's, to advise the Newfoundland authorities regarding the establishment of Government Experimental Farm, for which an appropriation of \$25,000 has been made.