

Commendable Features of the Dairy Standards

Notes From an Address by G. G. Publow, Chief Instructor for Eastern Ontario, at the Local Dairy Conventions Throughout the District.

Is the pooling system a fair method of paying for milk at cheese factories? Investigations that have been conducted during the past season have shown that on the average the pooling system is 18c out for every 100 lbs. of milk paid according to it. There is, however, a system for paying for milk which is as fair as we could reasonably expect. The same investigations showed that on the average, with milk paid for on the fat plus two basis, the money was distributed within seven cents a 100 lbs. of milk of the correct amount that each patron should receive; while on the straight fat basis the amounts distributed were on the average only three cents out on each 100 pounds of milk.

The fact is that we got started wrong. Before we found our error the pooling system became strongly entrenched. The adoption of a fair system has been hindered by the disagreements amongst dairy authorities. When cheese was five, six or eight cents a lb. it did not matter so much if there was a little inaccuracy in the distribution of the money. Now, with cheese ranging from 20c to 25c a lb. on country boards, this matter of the proper distribution of the money becomes a serious matter indeed. With the pooling system, those who send in milk that is exactly the average of that received at the factory may get their fair share of the proceeds, but if they vary from this average even a point or two, their returns are seriously affected. At the present prices these small variations mean a great deal. It has been found that one pound of butter fat in milk is equivalent to two and one-half lbs. of cheese. A small variation will easily account for wrong payments of 10c or 20c for 100 lbs. of milk. We


fine a man for adulterating milk, even though he brings it down to three per cent, but if a man can devise a means of watering the milk through the cow, he escapes, even though his test is as low as 3.4 per cent, as it has been in several individual cases in our factories this summer.

Some of the lowest testing milk that comes to our factories is from scrub cows. Some breeds test lower than others, and when the milk is paid for on a quality basis, the amount of the content affects the amount paid for it. We should not forget, however, that the question is not how many pounds of butter fat we can produce with each 100 lbs. of milk. The question is, how can the butter fat in the milk be produced most profitably. The three per cent. cow may be a profitable one. Producers should aim to raise production and the test, too. If this Act results in the raising of the fat content of a per cent, what an enormous difference it would make on the total cheese output of the province. The increased returns would pay for, and that is the way to look at it: will the benefit more than counterbalance the cost and inconvenience? But in this connection we should always remember that the individual is not held back by the average of his district.

One of the benefits of the Dairy Standards Act will be that the milk that comes to our factories will be better cared for. A few years ago Mr. Barry and myself went to the Minister of Agriculture and asked for legislation to keep down the temperature of milk received at factories. Our request was refused, because the Minister thought that they could not legislate on such fine points. Now that we will be paying by test neglect will be penalized, because neglected milk does not test as well as well-cared-for milk.

After the Dairy Standards Act was passed, a census of the factories was taken to find out how they were prepared for it. It was found that less than one-quarter of the factories were equipped with apparatus for making the test, and that less than one-quarter of the makers were competent to conduct it. As a result of this census, the late Minister of Agriculture took steps to have the test done by the instructors, with the assistance of other qualified men if they are required. The testing will be done at a centre, but more cheaply to wash the bottles and of having each of being able to secure cheaper labor man conducting the tests would be offset to some extent by too much driving around the country in collecting the samples. Then the instructor would less an opportunity of improving his work of instruction by working in closer cooperation with the maker while making the tests.

The objection that is sometimes raised is that there is a temptation for other men in order to prevent a man from going to another factory, may have applied to conditions under the old system, but they will not apply under the new. By making the use of the test universal throughout the province, discrimination between factories is done away with.



40th Annual Convention of the Dairywomen's Association OF EASTERN ONTARIO

WILL BE HELD AT
Napanee, January 4th & 5th, 1917

COME and be one of us for these two days. You will be well entertained, and will profit by meeting others in the same business as you are, and in hearing such men as these speak on your problems:

Hon. Martin Burrell, Minister of Agriculture.
Prof. J. H. Grisdale, Ottawa.
Mr. G. G. Publow, Dairy Instructor, Eastern Ontario.
Dr. G. C. Creelman, President O. A. C. Guelph.

These men, and many other recognized authorities, will speak on various phases of the dairy industry.

Bring the ladies with you. They are specially invited to attend the evening meetings.

Write to the Secretary for a programme and prize list.

J. N. STONE, President. T. A. THOMPSON, Secretary, Almonte.

Lakeview Dutchland Hengveld 2nd THE GRAND CHAMPION

Holstein-Friesian bull at the Canadian National Exhibition and Western Fair heads our herd. His sister three-quarter sister is Canadian Champion, with 34.6 lb. butter in seven days. BOTH CHAMPIONS. This is our motto: "Bested for type and production." Choice young bulls out of high testing R.O.M. dams for sale. Write for extended pedigree and prices.

W. G. BAILEY, Oak Park Stock Farm, R. R. No. 4, PARIS, ONT.

HOLSTEIN'S

Could spare 10 cows or heifers bred to the Great Bull KING SEGIS POND. Tyac DUPLICATE. Have one yearling bull, and calves from 10 months R. M. HOLTRY.

Port Perry, B. R. 4

PEACH BLOW AYRSHIRES

Young Stock for sale, always on hand (both sexes), from high-testing heavy producers. Good utilizers and large eat a special feature of my herd. Three fine young Sires ready for service. Get particulars of these if you need a sire. R. T. BROWNLEE, Peach Blow Farm, HEMMINGFORD, Que.

RIVERSIDE AYRSHIRES

calves male and female; bulls fit for service; by Netherington Lochவர், Imp. 29121. Females all ages, from 1st Prize stock and good producers. One Standard Bred Stallion 16 months, by His Nibs 894, "5590".

Apply to Robert Sinton, Manager Riverside Farm, Montre Bello, Que.
Or to Hon. W. Owens, Westmount, Que.

TANGLEWYLD AYRSHIRES

The Leading R. O. P. Herd

Large Cows, Large Teats, Large Records, High Testers. Choice Young Bulls and Bull Calves and a few Cows for sale.

WOODSIDE DRIF., R. E. NO. 1, HARBORFALL, ONT.

STEVEN'S POTASH FERTILIZER

destroys wire worms, Chick-deer, white grub, cut worms, army worms, Cystic moths, brown-tailed moths. Address

GEORGE STEVENS
Peterborough, Ontario, Canada

DEAL WITH Farm & Dairy's Advertiser's

When You Write--Mention Farm and Dairy

Assignee's Auction Sale

of a Dairy Plant Rolling Stock, Etc.

In the matter of W. A. Charlbois, of Ottawa, Insolvent

Under instructions from the Inspectors of the above estate, I will offer for sale by public Auction on Tuesday, Ottawa, December 19th day of December, 1916, at two o'clock p.m., the assets of the estate consisting of 1 Laneo refrigerator plant, 2 pressurizers, 1 cream separator, 3 electric motors with shutoff pulleys, etc, 1 bottle filler, bottle and can washers, 1 steam boiler and attachments, 2 cast-iron bottles and cases, also 7 horse, 2 milk wagons, 2 express wagons, 2 sets both single and double and single harness, blankets, etc., and also a miscellaneous lot of other articles, usual to anyone in the dairy business.

This dairy business was in operation only a very short time and the goods are said to be in good condition.

Terms of sale cash.

The plants, rolling stock, etc., raised to be inspected any time upon application at my office.

WM. A. COLE, Assignee,
25 Sparks St., OTTAWA.

SEGUIN & SAUVE,
18 Biltmore St., OTTAWA.

Solicitors for Assignee.

WELLS CARLSON TORONTO

The House of Commons.
American Plan \$25.00 up
European Plan \$100.
Meet Me at the Cavalry-Rite.