

Ayrshire Official Tests

The following report of the results of official tests of Ayrshire cows during 1909 and showing new Canadian and American records, was read by Secretary W. F. Stephen at the annual meeting of the Canadian Ayrshire Breeders' Association held recently in Toronto.

I have received from the Dominion Department of Agriculture the certificates of 29 cows and heifers that have registered in the Record of Performance Test during 1909. This makes 70 cows and heifers that have qualified to date and to whose owners certificates and diplomas have been granted. Nearly 300 cows and heifers have been entered in this test during 1909.

The following are the results of the test for 1909:

You will notice that "Primrose of Tangleywild"—15945—holds the highest Canadian record yet made for milk and fat. "Canadian Princess"—3108—dropped her calf prematurely 11 months from commencement of test. This cow, if we make note, holds not only the Canadian but the best known Ayrshire record of milk and fat being that of "Jennie of Sand Hill"—10160 lbs. milk and 510 lbs. of butter. While "Adaline 2nd"—22949—holds the two-year-old record for milk, with 9924 lbs. and 366.9 lbs. fat, yet "Jemima of Springbank"—27689—with 8839 lbs. milk, excels her in butter fat with having given 338.33 lbs. equal to 401 lbs. of butter. This beats the better record of the American two-year-old "Baby Douglas"—21819—who gave 449 lbs. butter. In-

dications point to still higher records from cows now in the test.

Feed for Dairy Cattle*

A. D. Harbison, Irons, Ont.

I want to produce all the feed on my farm for my cattle that I can. Last season I tried some of the sugar-cane for fall use, but the cows did not like it. Pumpkins did not prove entirely satisfactory, as a whole would not. I have discontinued its use. Alfalfa has done fairly well with with splendid results. When fed green about 1 1/4 lbs. a day. It is a splendid feed.

For a soiling crop we can produce *Extract from an address delivered at the Ottawa Winter Fair.

more feed and at lower cost when fed in the form of silage. We have had second crops of clover. I have put it in the silage with the silage. This mixture tends to give a better balanced ration. If we have not got our second crop of clover we must use some other feed with a good percentage of protein of value for silage.

A neighbor of mine has 9 cows on 25 acres. He feeds mangels. They give as good results as turnips, without incurring the quality of the milk. Start feeding a supplementary feed to the cows in summer before they start to go down in flesh. In dry cows the only way to prevent the price of grain from going up is to feed them soiling crops. If I could not grow soiling crops I would go out of the business. Grain feeds are too expensive to feed cows at the present price of grain. We cannot reduce the price of milk. We must, therefore, endeavor to grow crops that will take the place of grain, and thus reduce the cost of production.

C. S. G. A. General Meeting

The sixth annual meeting of the Canadian Seed Growers' Association was held in the purity room of the Seed Branch Department of Agriculture, Ottawa, on the 10th and 11th insts. Quite a large number attended its sessions and representatives came from different parts of the Dominion. Dr. Robertson, late of St. Anne's, the president, ally filled the chair. In his opening remarks he said this meeting was to encourage each other to help the farmers of Canada to gather more crops from their labors on their lands.

In the presentation of the report of the Board of Directors, a very important change was recommended, in that after this an operator in this system may harvest the crop from his breeding plant or he makes his selection of hand selected plants which may be done when he has more knowledge of the sheaf instead of the old way in the field. The recommendation was adopted.

The secretary-treasurer, Mr. L. H. Newman, in presenting his report, said there were 28 applicants who were eligible for membership. At present there were 167 members and 523 applicants.

REPORTS OF INSPECTORS.

The reports of the district inspectors, Messrs. Moore, Cote, Haynor and McKilloan, all spoke in a hopeful strain of the work this year. Inspectors Moore claimed that the field crop competitions were doing much for the Maritime Provinces. J. C. Cote said that in Quebec some of the farmers had discovered they could grow as good if not better grain than they could buy from Ontario.

Mr. Macoun of the C. E. F. F. Ottawa, in commenting on the secretary's report, said he thought the association should have three objects, viz., (a) to make an interest in good quantity, (b) to make a good seed in quality, (c) to make a good seed widely known. The association could help the horticulturist in growing certain seeds of particular strains of tomatoes, melons, and beans.

That the association should emphasize the question of cultivation was advanced by Mr. J. G. Grisdale. On a trip from St. Hyacinthe, Que., to Ottawa last summer he noted from the car window only two fields that were reasonably free from weeds. He didn't think it would be any hardship to ask members to grow only one kind of grain in the line of crop they were attempting to improve.

At the evening session Prof. C. A. Zavitz, after being introduced as a thinker in plants, discussed in a lucid way "Hereditry in Plants." He demonstrated some of his work by showing the original Siberian and Joannette oats which were given to a third lot very superior in grain to

MATURE CLASS

Name of Cow.	Owner.	P. C.
Primrose of Tangleywild, -15945-	Woodside Bros., Rosyth, Ont.	390
Bertie of Springhill, -6736-	Robert Hunter & Sons, Rosyth, Ont.	390
Nellie Gray of Hickory Hill, -15133-	N. Drymont, Clapton, Ont.	386
Barton Princess, -9273-	A. S. Turner, Ryckman's Corners, Ont.	403
Little Queen 2nd, -9239-	A. C. Wells & Son, Sarnia, B. C.	400
White Heather, -16979-	James Begg, St. Thomas, Ont.	430
Nellie's Jewel, -16979-	James Begg, St. Thomas, Ont.	432
Neidpath Rose 3rd, -16126-	N. W. Ballantyne, Stratford, Ont.	434
Burnside Brown Queen's Second, Gus. A. Langelier, Cap Rouge, Que.		406
		410

FOUR YEAR OLD CLASS

Snowflake of Hickory Hill, -23481-	N. Drymont, Clapton, Ont.	395
Lady Menie, -16727-	Wm. Stewart & Son, Menie, Ont.	372

THREE YEAR OLD CLASS

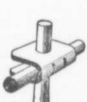
Canadian Princess, -29108-	A. S. Turner, Ryckman's Corners, Ont.	459
Shannon Bank Frances 2nd, -23529-	W. H. Tran, Cedar Grove, Ont.	434
Dairy Queen of Springhill, -37473-	R. Hunter & Sons, Rosyth, Ont.	413
Leigh Nancy 1st, -26625-	J. N. Greenhields, Danville, Que.	403
Beauty of Shannon Bank, -33193-	W. H. Tran, Cedar Grove, Ont.	462
Miss Orila, -26996-	Gus. A. Langelier, Cap Rouge, Que.	465

TWO YEAR OLD CLASS

Jemima of Springbank, -27689-	A. S. Turner, Ryckman's Corners, Ont.	447
Bessie 16th, of Neidpath, -21466-	W. W. Ballantyne, Stratford, Ont.	434
Mybelle of Springbank, -27991-	A. S. Turner, Ryckman's Corners, Ont.	413
Madeline B., -25601-	A. S. Turner, Ryckman's Corners, Ont.	413
Andrye Carntyne, -25601-	R. Hunter & Sons, Rosyth, Ont.	445
Daisy of Westland, -21799-	Gus. A. Langelier, Cap Rouge, Que.	445
Princess, -23587-	Gus. A. Langelier, Cap Rouge, Que.	445
Leigh Miss Sandy, -23879-	Gus. A. Langelier, Cap Rouge, Que.	430
Anchenbrin White Rose, -26348-	R. Hunter & Sons, Rosyth, Ont.	421
Neidpath Rose 16th, -21466-	W. W. Ballantyne, Stratford, Ont.	421
Scotia Jean, -24130-	W. W. Bower, Naperton, Ont.	450
Lacy 4th, -26101-	W. H. Tran, Cedar Grove, Ont.	450

Take Your Pick of The Two Best

Fences Made



Whether you want a Machine-made or a Field-built Fence, you cannot find equal to the Frost.

We'll send you a free booklet, describing in detail the Frost Woven and the Frost Field-built Fences.

We have figured out the real reason why so many Wire Fences in Canada rust about 12 or 15 years sooner than they should.

And we have also figured out the only method of Wire-making to overcome this vital weakness.

So we now make and galvanize our own Wire. No other exclusive "Fence Maker in Canada does that."

Two-thirds of the life of a Wire Fence depends upon its galvanizing. Yet in the very face of this, nearly every Fence made in Canada is Galvanized too thin!

One reason is because Zinc costs four times more than wire.



The other that if most Galvanized Galvanizing off. Because vanishing here permits of easy. That scale is certain to chip off and with heavy Gal. cannot be. nently to say Wire. It costs Mr. Galvanizing.

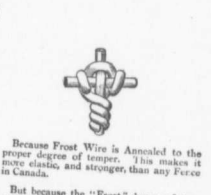
The Frost Fence is double Galvanized—not merely "coated." But it will not peel off. Because Frost Galvanizing is a part of the Wire itself.

You see, Frost Wire goes through three thorough "Cleaning" processes before it ever goes near a Galvanizing Furnace.

This positively removes every bit of grease and scale, and leaves the surface clean.

This double Galvanizing will endure the severest Canadian weather changes. It will fight off rust for 25 or 30 years.

The Frost Fence can be safely stretched tighter than any other Fence we know of.



Because Frost Wire is Annealed to the proper degree of temper. This makes it more elastic, and stronger than any Fence in Canada.

But because the "Frost" degree of temper is a secret, no other Wire in Canada is tempered to withstand Canadian conditions.

That's why the Frost Fence is the strongest. We are anxious to prove this.

We are anxious to send you our free booklet on Fence, together with samples of the Frost Fence and Locks, postpaid.

This booklet tells all about Fence, and shows you how to buy the right kind for Canadian purposes. It's worth a lot of money to you. Send for it today.

The Frost Wire Fence Co., Limited.

Hamilton, Ontario.

Agents Wanted

"Frost" Fence

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