One of the Longest Lines of Pure Bred Cows in Canada.

Altogether there are over 80 pure bred Holstein cows and heifers in this line up in the dairy stable of the Allison Stock Farm, Dundas Co., Ont. Included in the number are some of the best known cows of the breed in Canada, including May Echo and others of the same line of breeding.

HOLSTEIN-FRIESIAN NEWS

Farm and Dairy is the leading exponent of dairying in Canada. The great majority of the members of the Canadian Holstein-Friesian Association are readers of the paper. Members of the Association are invited to send items of interest to Holstein breeders for publication in this column.

A HIGH-TESTING HERD.

ABBOGAST BROS., of Sebringville, Ont., have a high-testing herd. The 18 cows milking have an average seven-day production of 23.04 lbs. of butter and an average fat test of 4.12 per cent. In this herd there are five three-year-olds and four heifers with first calves. Since August 15 of this year the cows have freshened, and the average per cent. fat from the can was 4.5 per cent. in the evenings and 4.2 per cent. in the mornings. One cow, Isabel Pontiac Lynn, has a 7-day record of 29.63 lbs. of butter with an average test of 6.52 per cent. fat.

HET LOO STOCK FARM.

THE Het Loo stock farm at Vaudreuil, Quebec, has been making some excellent sales of Holsteins lately. A representative of Farm and Dairy had an interview with Dr. L. de L. Harwood, the proprietor, recently, and found that they have had an unusual demand for yearling bulls largely from the province of Quebec. There appears to be an awakening in Quebec to the possibilities of breeding pure bred stock.

Recent sales included a bull calf sold for $300 to Mr. Deland, of St. John's, Quebec, and an exceptionally fine calf sold to Mr. Jos. Noel, of Nicolet, Quebec, for $400. This calf was out of Pontiac Korndyke of Het Loo. The dam of this calf is Prangy Belle Wayne, a 5 yr. old with a record of 39.2 lbs. in 30 days, and close to 118 lbs. in 30 days. Out of eleven calves born in this herd recently, nine have been heifers. Some exceptionally fine tests have been made by this herd lately, a full report of which will be given shortly in Farm and Dairy.

SEMI-OFFICIAL RECORDS OF HOLSTEIN-FRIESIAN COWS FROM OCT. 1 TO NOV. 30, 1915.

Mature Class.

1. Artis Rosie, 9906, 5 y. 16316 lbs. milk, 601 lbs. fat, 751.25 lbs. butter.—N.S.A.C., Truro, N.S.

2. Doris, 10739, 6y.; 17826 lbs. milk, 600 lbs. fat, 750 lbs. butter—Hospital for Insane, Hamilton.

3. Lilith Pauline Calamity Jane, 23945, 8y. 19625 lbs. milk, 666 lbs. fat, 732.25 lbs. butter.—J. M. Steves, Steveston, B.C.

4 Business Calamity Queen, 9277, 7y.; 14869 lbs. milk, 505 lbs. fat, 631.25 lbs. butter.—G. E. Peacock, Aylmer.

5. Dolly Queen Netherland Lizzie, 12993, 5y.; 12362 lbs. milk, 392 lbs. fat, 490 lbs. butter.—John Johnstone, Hawkesbury

6. Delight Posch, 14959, 5y. 12169 lbs. milk, 385 lbs. fat, 481.25 lbs. butter.—E. W. Hyde, Simcoe.

7. Hengerveld Mercedes, 12689, 6y.; 11817 lbs. milk, 360 lbs. fat, 450 lbs. butter.—Macdonald College, Macdonald College, Que.

Four-Year Class.

1. Canary Violetta Mechthilde, 14705, 4y. 12542; 35566 lbs. milk, 978 lbs. fat, 722.5 lbs. butter.—J. M. Steves

2. Kobs De Kol, 21672, 4y. 28D4; 34679 lbs. milk, 447 lbs. fat, 558.75 lbs. butter.—Colony Farm.

3. Hazel Mozetta Sylvia, 14375, 4y. 65d.; 16861 lbs. milk, 542 lbs. fat, 427.5 lbs. butter.—John Johnstone, Hawkesbury.

Three-Year Class.

1. Lilith Pauline Calamity Jane 3rd, 23, 946, 3y. 153d ; 19902 lbs. milk, 719 lbs. fat, 898.75 lbs. butter.—J. M. Steves.

2. Aaggie Wayne of Hickory, 17978, 3y. 118d ; 15195 lbs. milk, 429 lbs. fat, 536.25 lbs. butter.—Hospital for Insane, Hamilton.

3. Colony Model Emma, 20607, 3y. 148d.; 13550 lbs. milk, 391 lbs. fat, 488.75 lbs. butter, Colony Farm.

4. Snow Bell J. P. Rue, 16963, 3y. 136d.; 10609 lbs. milk, 349 lbs. fat, 435 lbs. butter. W. E. McKillican, Maxville.

Two-Year Class.

1. Lena of Pleasant Valley, 20731, 2y.274d.; 13074 lbs. milk, 454 lbs. fat, 567.5 lbs. butter. N. Sangster, Ormstown, Que.

2. Calamity Johanna, 20372, 2y. 233d.; 12317 lbs. milk, 399 lbs. fat, 498.75 lbs. butter.—G. E. Peacock, Aylmer.

3. Hillcrest Pontiac Duchess, 22714, 2y. 190d.; 9992 lbs. milk, 390 lbs. fat, 487.5 lbs. butter.—George Smith, Port Perry.

4. Countess Emma De Kol, 22642, 2y. 231d.; 11611 lbs. milk, 353 lbs. fat, 473.75 lbs. butter.—H. W. Duncan, Atwood.

5. Aaggie Segis, 22543, 2y. 162d.; 10622 lbs. milk, 371 lbs. fat, 463.75 lbs. butter.—H. W. Duncan.

6. Epworth Dorinda Sarcastic, 20737 2y. 90d.; 10768 lbs. milk, 335 lbs. fat, 418.75 lbs. butter.—G. A. McCullough, Navan.

7. Ottile Josephine's Choice, 21326, 2y. 23d.; 9170 lbs. milk, 289 lbs. fat, 361.25 lbs. butter.—W. Paterson, Koksilah, B.C.

From Oct. 1st to Nov. 30th, 21 cows and heifers qualified for entry in the Record of Performance. In the four-year old class Canary Violetta Mechthilde stands first with 722.5 lbs. butter from 35,566 lbs. milk. Lilith Pauline Calamity Jane 3rd makes the great record of 898.75 lbs butter from 19,902 lbs. milk, and takes second place for Canada in the three-year-old class.—W. A. Clemons, Secretary.

HOLSTEINS AS DUAL PURPOSE CATTLE

IN the past the dual purpose question has been discussed from the standpoint of whether the Shorthorn or other beef breeds are profitable for milk production, with a result generally to the discredit of the dual purpose type, and on the other hand, the fact has been apparently overlooked that the Holstein is a most profitable breed for beef.

According to the results of the tests reported in the Michigan Experiment Station Bulletin No. 257, the Holsteins make much larger daily gains and at a less cost per pound than any of the leading beef breeds. In the first test, seven Holstein calves averaged 714 lbs. apiece at one year of age, at a cost of $13.79 per cwt., and two Shorthorn calves averaged 571 lbs., at a cost of $4.82 per cwt. In the second test, six Holstein calves averaged 773 lbs. at a cost of $3.98 per cwt., and six Shorthorns averaged 705.1 lbs. at a cost of $5.16 per cwt. Another group of ten Shorthorns averaged 643 lbs. at a cost of $4.32 per cwt., a group of ten Angus averaged 623 lbs., at a cost of $4.97 per cwt., and a group of ten Herefords averaged 629 lbs. at a cost of $4.22 per cwt.

The Iowa Experiment Station reports, in Bulletin No. 81, a test with the following results:

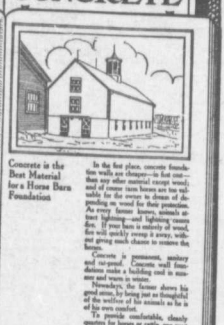
	Hereford.	Angus	Holstein.	Jersey.
Weight at beginning	653	685	526	622
Av. cost per lb. gain	$.076	$.0903	$.0712	$.0612
Amt. grain per lb gain	3.16	9.16	8.21	9.24
Amt. roughage per lb. gain	3.71	4.13	3.59	4.35
Av. cost per lb. gain	$.075	$.0903	$.0712	$.0612
Per ct. of dressed wt.	60.9	62.8	56.9	55.4
Per cent. of loin	17.89	17.56	17.59	16.58
Tallow, lbs	68	64.5	56.2	113.2

The Holstein thus made a larger gain per steer and at a less cost per pound of either roughage or grain than any of the other breeds. The percentage of dressed weight was 3½ per cent. above that of the Jersey and less than 3 per cent. below the average of the two beef breeds, but the Holsteins ranked ahead in respect to percentage of loin, the highest priced beef cut. The Holstein also produced the smallest percentage of tallow, showing that the breed does not carry an excess of cheap fat, which is characteristic of scrub steers. The Holstein steers made an average of $14.67 net profit to the wholesaler while the Angus averaged but $9.25, and the Hereford but $5.13 net profit. This wonderful showing by the Holstein steers was made in spite of the fact that the steers chosen were not representatives of that breed and that they were fed for too long a period, in the case of dairy steers.

The Station states that "Kidney fat is a cheap product and, while it counts in dressing per cent., it only serves to reduce the value of the carcass, where it is present in excess. Reference to the tables show that No. 1, a Jersey, possessed 21 pounds of this cheap product, while No. 7, an Angus, had but 11.5 lbs., despite his greater weight. This confirms the contention often made that steers of dairy type carry an unnecessary amount of waste fat." Glancing over the figures, however, we find that the Holstein steers possessed only 16 lbs., the Angus 23.5 lbs., Hereford 28.5 lbs., and the Jersey 37.5 lbs. of this product, showing that this sweeping conclusion as to steers of dairy type is absolutely fallacious in the instance of the Holstein steers.

Before You Build

WHAT THE FARMER CAN DO WITH CONCRETE



Concrete is the Best Material for a Horse Barn Foundation

Get This Free Book

It contains 150 pages like those shown here—116 pages give practical instructions for improving your farm, explaining the most economical way to construct all kinds of buildings, walks, foundations, feeding-floors, walls, troughs, tanks, fence-posts, and 45 other things needed on every farm.

There are 14 pages of information vital to every farmer who intends to build a silo. 22 pages show what concrete is; how to mix it; the tools needed; what kind of sand, stone and cement are best; how to make forms; how to place concrete; and reinforce it, etc., etc. In fact it tells everything necessary to know about the world's best and most economical building material—*Concrete.*

This book is the recognized authority on farm improvements and has benefited 75,000 farmers.

If you haven't a copy of this valuable book, one will be sent to you free. Simply fill in coupon below and mail to-day.

CANADA CEMENT COMPANY LIMITED,
Herald Building, MONTREAL.

CUT OUT AND MAIL

CANADA CEMENT COMPANY LIMITED, Herald Building, MONTREAL

758 Gentlemen:—Please send me a free copy of "What the Farmer can do with Concrete". 12

Name.....

Street and No.....

City..... Prov.....

CANADA CEMENT COMPANY LIMITED MONTREAL PORTLAND CANADA CEMENT