



**First-Prize Calf of Lambton County**  
Owned and raised by D. A. Graham, Wanstead, Ont., the well-known stock breeder. Captured the cash prize at Lambton County Fair, Sarnia, October, 1914, in spite of strong competition, and was raised on

## Gardiner's Calf Meal

"The Perfect Cream Substitute"  
Contains absolutely no filler or cheap by-products.

MADE IN CANADA

A trial convinces. Write for prices. We pay the freight.

GARDINER BROS., Sarnia, Ont.

## WANTED

We have again advanced our prices for good quality cream. We could use yours. It will be worth your while to write us.

Toronto Creamery Company, Limited  
Toronto, Ontario

**Holsteins**—I now offer a beautiful bull, calved May 19th, '14, from a 13 lb. jr. 3-year-old and sired by a 30 lb. sire.

This bull's dam is sired by a son of Sara Jewel Bengerveld with 100 lbs. milk a day. His sire is a son of Victoria Burke with 106 lbs. milk in a day. His dam is the makings of a 30 lb. butter cow when she reaches maturity.

Bulls fit for service from \$75.00 up.

James A. Caskey, - Madoc, Ont.

## Maple Grove Holsteins

Do you know that Tidy Abbekirk is the only cow in the world that produced three sons who have each sired 30-lb. butter cows, and two others with records greater than her own? She was bred, reared and developed at Maple Grove, and the blood to strengthen the transfer of your herd, at live and live white.

H. BOLLERT,  
R.R. No. 1

TEN-Milk River Farm Says: Holstein Cows, 2 Shorthorns and 1 of Ontario, at low prices; a day. Also 3 Pure Bred 8 months old, bacon type. State, Comet, Delaware, yielding up to 160 bags

Eggs for hatching, \$1.50 per for prices and snap shots.  
ith, R.R. No. 2, Port Perry, Ont.  
Point, G.T.R. Myrtle, C.P.R.

## Holstein-Friesian Association of Canada

Application for registry, transfer and membership, as well as requests for blank forms and all information regarding the farmer's most profitable cow, should be sent to the Secretary of the Association.

W. A. CLEMONS, St. George, Ontario

## BUY THE BEST 4 Holstein Bulls

Ready for service and several calves. Females all ages, cows in R.O.P. and R.O.M., milking up to 19,000 pounds. Bulls in service—"King Segis Pontiac Duplicate" and "King Fayne Segis Clothilde."

R. M. HOLTBY

R. R. No. 4, Port Perry, Ontario  
Manchester, G.T.R. Myrtle, C.P.R.

## The Maples Holstein Herd

offers ready for service sons of Prince Aaggie Mechthilde from R.O.P. and R.O.M. sisters and dam of Duchess Wayne Calamity 2nd, Canadian champion 2-year-old for butter in R.O.P. 16714 lbs. milk, 846 lbs. butter. Also choice females of like breeding. Write

Walburn Rivers, R. R. No. 5, Ingersoll, Ont.

## Holsteins, Yorkshires and Cotswolds.

R. Honey & Sons, R.R. No. 1, Dartford, Ont. formerly Bickley, offers a young Bull whose 4-year-old dam and sire 4-year-old dam average milk 1 day 80 lbs., 30 days 2144 lbs., 365 days 17064 lbs. Also females all ages and other bulls of similar breeding. Write us.

## Questions and Answers. Miscellaneous.

### Fertilizer Ingredients in Hay and Straw.

Give the analysis of the different kinds of straw and hay, that is, nitrogen, phosphoric acid and potash per ton, so that an estimate might be made therefrom of the value of the different stuffs as fertilizer if applied to the soil or fed and returned.

W. J. G.

Fertilizing constituents in 1,000 lbs.

Kind of Fodder.	Nitro- gen. lbs.	Phos- phoric	
		lbs.	Potash lbs.
Wheat straw .....	5.	2.2	6.3
Oat straw .....	5.8	3.0	17.7
Barley straw.....	7.0	2.0	10.6
Rye straw.....	5.	2.5	8.6
Red-clover hay.....	19.7	5.5	18.7
Alfalfa hay.....	23.4	6.1	17.9
Hay from mixed grasses .....	11.9	2.7	15.5
Timothy hay.....	9.4	3.3	14.2

### Cabbage for Cows.

Because I can cultivate and keep in moisture and use the harrow for the work, and because it is easier to hoe cabbage after transplanting than to weed out roots and thin them, and because cows seem to like cabbage just as well, I have been trying to figure out whether it would not be cheaper and just as good a feed for a cow. What put the idea in my mind was a Scotchman, who said they did a lot of that in Scotland.

1. What effect would it have on quantity and flavor of the milk?

2. What is the largest headed cabbage you know, and where can seed of it be obtained?

3. Would it be cheaper and easier to grow than those large 40-lbs.-a-piece mangels? Our soil is light, of a sandy texture.

W. M. W.

Ans.—1. Well-preserved cabbage may be found slightly superior to Swede turnips or mangels in feeding value for dairy cows. It has no bad effect on the flavor of the milk.

2. Get a good drumhead variety from any seedsman advertising in these columns. The greatest difficulty would be met in storing. Partly spoiled cabbage would taint the milk.

3. Cabbage requires a rich soil, and if your soil is very sandy it would require heavy fertilizing. A good plan is to sow in drills about three feet apart, as one would sow turnips, only earlier in the season, and then thin with the hoe to two feet apart in the rows.

### Building Poultry House.

1. Would it be better to put a peaked or slanting roof on a 12 x 24-foot hen-house? We intend to ceil it. Please give reasons

2. What would be the proper way to ventilate the house for fifty hens?

3. What kind of nests are best?

4. Do pigs have black teeth? If so, what causes them, and do they harm the pig in any way? What should be done with them?

ENQUIRER.

Ans.—1. Unless you desire a straw loft overhead a slanting roof would be preferable, although it does not make so much difference. But on a house as narrow as this the slanting roof would be cheaper, and it would permit of having the house higher in front to the south, and lower at the back to the north, so that more light and greater warmth could be obtained at less cost.

2. A partial cotton front would answer very well. We know of some excellent houses kept well ventilated by a cotton front to the south. It may be placed on a frame and fit in like a window, and on warm days may be opened, having chicken-wire over the opening.

3. Nests may be built on the outside of the house, along one side, with a hinged lid over so that it is not necessary to go into the house to gather the eggs, or if an alley is placed in one end of the house, they may be arranged so as to slide out into the pen in the daytime and be pulled back into the alley at night when gathering the eggs and left there so as to prevent the hens roosting on them. Either of these types is good.

4. Sometimes. The cause is not known. They are believed by veterinarians to do no harm, so may be left alone.

# Lakeview Sale

OF HIGH-CLASS

## HOLSTEINS

LAST CALL!

Wednesday, February 17th, 1915

Remember that the stock is all young, just the sort that will go into your herd and make good.

Remember that all three sires are still in the Lakeview herd, and that each heifer freshening here is going to add to the value of what you buy.

Remember that the reputation of the Lakeview herd is behind all the cattle offered.

Terms cash, or six months at six per cent.

Col. D. I. Perry T. A. Dawson, Manager  
Auctioneer BRONTE, ONT.

# DISPERSION SALE OF HOLSTEINS

Thursday, Feb. 25th, 1915

On the above date I will sell unreservedly my entire herd of 32 Holsteins. 17 of them young cows in milk. 5 yearling bulls. Also my stock bull, Lord De Kol De Boer. The records of his dam and sire's dam average 26.56 lbs., and their B.F. Test over 4%. He is a brother to Boutsje Posch De Boer; record at two years, 23.03 lbs., B.F. Test 4%. All the young things are sired by him and the cows in calf to him; the balance of the offering are heifers, principally yearlings. Practically all those in milk have official backing on both sides and their own R.O.M. records range from 13.38 to 15.03 for two-year-olds, and 14.77 to 16.61 for three-year-olds. The sale will be held at my farm, 3 miles west of Straffordville Station, C.P.R., where conveyances will meet the noon train from Woodstock, Ingersoll and Tillsonburg.

Terms: Cash, or 7 Months on Bankable Paper With 6%.

Moore & Dean, Springfield, Auctioneers.

For Catalogue, Write:

N. H. McCONKEY STRAFFORDVILLE,  
R.R. No. 1

## SUMMER HILL FARM

## Holstein Cattle and Yorkshire Hogs

We offer for sale, a dozen bulls, some ready for service, from high official record dams. If you are wanting a bull, better write us and let us tell you how good they are. Can also spare a few good heifers. Yorkshire hogs all ages.

D. C. FLATT & SON

HAMILTON

Phone 715

R. R. No. 2

ONTARIO

## CLOVERLEA HOLSTEINS

Herd headed by Pontiac Norine Korndyke.

Our special offerings for this month are two choice bull calves; No. 1 born Nov. 6th, 1914; he is large and straight and evenly marked. No. 2 born Dec. 18th, 1914; he is a fine calf more white than black; he is from an imported heifer whose dam gave 17.98 lbs. butter in 7 days and his sire's dam gave 116 lbs. milk in one day and 34.60 lbs. butter in 7 days. He is bred right. Either will be priced right if taken soon.

GRIESBACH BROS.,

Collingwood, Ont.  
BELL PHONE.

BELL PHONE.