



Raised Without Milk!

Her name is "Daisy" and her owner, W. A. Riddle, of Chapin, Iowa, raised her on Blatchford's Calf Meal, which costs less than half as much as milk.

Blatchford's Calf Meal

A useful preventive of scouring. Calves raised "The Blatchford Way" are heavier, bigger-boned and healthier. Known as the complete milk substitute since the year 1875. Sold by your dealer or direct from the manufacturer.

Blatchford's Pig Meal insures rapid, sturdy growth of young pigs at weaning time. Prevents setback. See Actual Figures—based on results—that show you how to increase your calf profits. Write today. Steele Briggs Seed Co., Dept. 66, Toronto, Ont.

95 UPWARD
ON TRIAL
15
Fully Guaranteed

American Cream Separator

A solid proposition to send a new, well made, easy running, perfect skimming separator for \$15.00. Skims warm or cold milk; making heavy or light cream.

ABSOLUTELY ON APPROVAL

Bowl a sanitary marvel, easily cleaned. Different from picture which illustrates our large capacity machines. Shipments made promptly from Winnipeg, Man., Toronto, Ont., and St. John, N.B. Whether dairy is large or small, write for handsome free catalog. Address: **AMERICAN SEPARATOR CO., Box 3200, Bala, Ont., N. Y.**

New Edition of Modern Silage Methods

Only 20c

ENTIRELY a new book—new chapters—full facts about every type of silo—bamboo, stave, brick, cement, tile, metal, pit, etc. Tells best for your needs—impartial suggestions for making most profits. 264 pages—10 page index—Copyrighted Nov. 1914, covers all silage crops. Good for use look it best all previous editions. Write today. Mailed with four-color picture folder for the duty and postage. Mention this paper. **SILVER MFG. CO., Salem, Ohio.**

Holstein Bull

Well bred 6 mos. old bull from good producing stock. A bargain for quick sale.

M. G. RANSFORD

Clinton, Ontario

HOLSTEINS

Two bulls over a year old, three more fit for service. Two grandsons of "Rag Apple Korndyke 8th" (May), and several sons of "King Segis Pontiac Duplicate," one of the best.

R. M. Holtby, R.R. 4, Port Perry, Ont.

HOLSTEIN BULL

A grand show individual, fit for immediate heavy service, 13 months old. Sire, Ourville Sir Teake Colantha. Dam just finished record of over 23 lbs. at 4 years; average test 4%. Price right for immediate sale. Apply

WM. J. BALD, Mitchell, Ont. R.R. No. 2.

Lakeside Ayrshires

A few young bulls for sale from Record of Performance dams, imported and Canadian-bred, sired by Auchenbrain Sea Foam (Imp.) 35788, grand champion at both Quebec and Sherbrooke. Write for Catalogue.

GEO. H. MONTGOMERY, Proprietor Dominion Express Bldg., Montreal, Que. D. McArthur, Mgr., Phillipsburg, Que.

High-Class Ayrshires If you are wanting a richly-bred young bull out of a 50-lb.-a-day and over cow, imported or Canadian-bred dam or sire, write me. Females all ages. Prices are easy. **D. A. MacFARLANE, KELSO, QUEBEC**

For Sale—two Jersey bulls, grandson's Fairy Champion, Toronto, 1915. Several Berkshire pigs from prize-winners at Toronto and Guelph. **IRA NICHOLS, Woodstock, Ont.**

Please mention "The Farmer's Advocate."

Notes on Cow Testing.

To assist dairy farmers who desire to test their herds for milk production, the Dairy and Cold Storage Commissioner at Ottawa has issued for public distribution a pamphlet entitled "Cow Testing Notes," and designated Circular No. 16, D. & S. Series. The pamphlet shows the necessary equipment, as spring scales, box of sample bottles, dipper, etc., and tells the cost of each and where the outfit may be procured, as well as the purpose and method of use of each.

The Department of Agriculture, through the Dairy and Cold Storage Branch, helps farmers to test their cows. In July, 1915, the branch received records of 22,669 cows. Evidences of the value of cow testing are given:

Cow testing not only produces better cows, but more interested and better dairymen.

With each cow's record before him, the dairyman is able to feed more intelligently. Meal in proportion to milk is a good motto.

The figures of a creamery statement at Way's Mills, Que., show that from a herd of twelve cows in 1912, the cash received by the owner was \$297.85. In 1914, from twelve cows, he received \$804.48. He discovered the poor cows and got rid of them.

At Mallorytown, Ont., a herd of twelve cows has increased from 3,726 pounds of milk per cow in 1909, to 7,388 pounds per cow in 1914; this is an increase of 3,662 pounds of milk per cow, or 98 per cent.

In Hastings County, Ontario, a farmer commenced cow testing in 1912, and found his herd of ten cows averaged 5,780 pounds of milk and 187 pounds of fat. In 1914, his ten cows averaged 7,436 pounds of milk and 254 pounds of fat, an increase of 1,656 pounds of milk and 67 pounds of fat in two years.

This pamphlet is available at the Publications Branch of the Department of Agriculture at Ottawa.

The Cost of Producing Milk.

The cost of producing milk obviously depends a great deal on the milking capacity of the cows used. Comparison between eight of the best and eight of the poorer cows in an Ontario dairy record center shows that there was a difference in profit per cow of \$24.56, the eight high-yielding cows giving an average profit of \$37.21, while the poorer cows returned a profit of only \$12.65 per head. The milk in each case was valued at \$1.15 per hundred pounds. The difference would no doubt have been very much reduced had the feeding been the same for all the animals. Those that yielded the higher profit were much better fed than the others. The average cost of their feed for the milking period being \$43.96 per head, while the food received by the less profitable animals was valued at \$32.33 per head. Calculating from the standpoint of cost of the milk, the eight cows with the low yields made only 32 cents profit on a hundred pounds of milk, while the higher-yielding cows made 51 cents profit from an equal amount of milk.

This information, and a great deal more of equal value, is contained in the recently issued Annual Report of the Dairy and Cold Storage Commissioner of the Department of Agriculture at Ottawa. This Report, in addition to the Dairy and Cold Storage Commissioner's general report, contains twelve appendices which deal with the work of the Assistant Dairy Commissioner, the extension of markets, dairy and cold storage divisions, etc. An appendix of unusual interest gives statistics of the export and import trade in dairy produce, which show that the exports of butter increased from 1,951,585 lbs. in 1890, to 2,724,913 in 1915, while during the same period the exports of cheese increased from 94,264,187 lbs., to 137,601,661 lbs.

This Report is available at the office of the Publications Branch of the Department of Agriculture at Ottawa.

If you contemplate building, see the advertisement elsewhere in this issue of J. Vicar Munro, architect. Employ a competent man and have no trouble.

Third Annual Consignment Sale of 40 Holstein - Friesian Cattle

At SIMCOE at 1 o'clock

Wednesday, February 16th

Just north of the Air Line Station, at barns on "Lyn River Stock Farm."

The offering is females ONLY, and is by members of the Norfolk Holstein-Friesian Breeders' Club. Advs. of young sires in the club for sale will be found near the back of the catalogue.

TERMS—Cash or credit on bankable paper.

Send for catalogue to secretary of sale.

Wallace H. Mason, Simcoe, Ont. R.R. No. 4.

James Dunlop, Auctioneer

LYNDEN FARM HOLSTEINS

Offers choice bulls with 20,000-lb. breeding, including Pontiac Korndyke Plus, 2 years old, out of Plus Pontiac Artis, 20,900 lbs. milk, 985 lbs. butter, champion 3-year-old of Canada in R.O.P. test, and sired by Inka Sylvia Bets Posch, the sire of May Echo Sylvia, champion milk cow of the world for 120 days, and the only bull in Canada with two 33-lb. daughters. Also the champion yearling bull at Guelph, by the same sire, and another yearling with four 20,000 dams in his pedigree. Also a few richly-bred young lambs.

S. LEMON & SONS, Lynden, Ont.

RIVERSIDE HOLSTEINS

Herd headed by King Johanna Pontiac Korndyke, a grandson of Pontiac Korndyke, and a brother of Pontiac Lady Korndyke, 38.02 lbs. butter in seven days, 156.92 in 30 days—world's record when made.

J. W. Richardson, R. R. No. 2, Caledonia, Ontario

HOLSTEIN CATTLE

Canary Mercedes Pierje Hartog 7th heads our herd. His dam gave 116 lbs. milk in one day and 6,197 in sixty days and made 34.60 lbs. butter in 7 days. There are more cows in our herd giving over one hundred lbs. of milk a day than any other in Ontario. We have both bulls and heifers for sale.

D. C. FLATT & SON, R. R. No. 2, HAMILTON, ONTARIO
Long-Distance Telephone

QUALITY AND PRODUCTION are combined in the dams of the young bulls for sale; dams average from 25 to 31 lbs. butter in 7 days. Also females of all ages for sale.

M. L. HALEY SPRINGFORD, ONT. M. H. HALEY

Dumfries Farm Holsteins Think this over, we have 175 head of Holsteins, 50 cows milking, 25 heifers due to calve in the fall and for sale. Breeding and individuality the very best.

S. G. & EARL KITCHEN, St. George, Ont.

Ourville Holstein Herd If you are starting a herd, or wanting to improve one, look at these young sires for sale, from Homestead Susie Ormsby, 22.14 at three years; Homestead Helton Abbecker, at three years 26.02; Ourville Calamity Also come and make a selection in choice females from our herd of 100 head. **LAIDLAW BROS., Aylmer, Ont.**

HOLSTEIN CATTLE Pure-bred cows, heifers and heifer calves. 66 HEAD MUST BE SOLD, having disposed of my two stock farms. Come and make your selection. Price and terms to suit. **CATTLE HAMILTON FARMS, SOUTHERND P.O., ONT.**
Telegraph and Phone Niagara Falls. Farm 10 minutes trolley from Niagara Falls.

Clover Bar Holsteins My special offering just now are some choice young bulls Ormsby, whose dam has 3-30 lb. sister, and a 24 lb. 4-year-old and a 21.06 lb. 3-year-old daughters, and his sire was the great Sir Admiral Ormsby. Also a few females. **PETER SMITH, R. R. No. 3, Stratford, Ont. Stratford or Sebringville, Stations.**

Evergreen Stock Farm—REGISTERED HOLSTEINS Present offering; Several bull and heifer calves, also a few yearling heifers bred and ready to breed. Write for prices and descriptions Bell phone. **A. E. Hulet, Norwich, Ont.**

Lakeview Stock Farm Bronte, Ont. BREEDERS OF HIGH TESTING HOLSTEIN-FRIESIAN CATTLE OFFER FOR SALE A FOUNDATION HERD consisting of 1 male and 3 females all bred in the purple and backed by officially tested dams. Terms to suit purchasers. **T. A. DAWSON, Manager**

HOSPITAL FOR INSANE, Hamilton, Ont. For Sale—Holstein Bulls, months from Record of Performance or Record of Merit dams and the grand bulls Sir Korndyke Wayne Dekol, grandson of Pontiac Korndyke, or Lakeview Duchland Le Strange, a grandson of Count Hengerveld Fayne Dekol. Prices right. APPLY TO SUPERINTENDENT.

QUEEN CITY HOLSTEINS Present Offering is 10 young bulls, from 6 to 14 months of age, the records of whose dams, sires dam and her full sister, range from 28 to 32 lbs. They are sons of King Lyons Hengerveld Segis. **R. F. HICKS Newtonbrook, Ont. On T. & Y. Railroad Line**

For Sale---Sons of King Segis Walker

From high-testing dams of Pontiac Korndyke, Photo and pedigree sent on application. **A. A. FAREWELL OSHAWA, ONTARIO**

30-lb. BRED HOLSTEINS 30-lb. The home of Sir Sadie Korndyke Segis, sire King Segis DeKol Korndyke, who is the sire of the 4-yr-old out of cows with records up to 26 lbs. Write for extended pedigree or come to see them. **D. B. TRACY, Cobourg, Ont.**

CITY VIEW AYRSHIRES Every cow qualified in Record of Performance with an average of 4.5 per cent. fat. Do you want a young bull from one of them? All ages up to 18 months. Write: **JAMES BEGG & SON R. R. 1, St. Thomas, Ont.**