



THE Omega Milking Machine

has these advantages over other machines. Transparent celluloid milking tubes instead of rubber ones which harbor germs and are difficult to clean. Pail and test-cups are suspended from the back of the animal. The udder has no weight to carry. The pail cannot be knocked over and the test-cups cannot fall on the stable floor and suck up straw or filth. The Omega milks fast and milks clean.

Omega the Best by Test

The Omega is used and recommended by Mr. R. R. Ness, of Howick, Quebec, one of the largest importers and breeders of record Ayreshire cattle in Canada. "It certainly has all other machines beaten in point of cleanliness, with those celluloid tubes instead of rubber. The pail hanging on the cow's back never touching the floor, the position in which the test-cups are held insuring the most cleanly way of milking known to-day."

WRITE NOW for our FREE illustrated booklet, describing the many superior features of the OMEGA.

C. RICHARDSON & CO.
ST. MARY'S, ONTARIO



Prize Butter Makers Use

Windsor Dairy Salt
Made in Canada
THE CANADIAN SALT CO., LIMITED

Heaves CURED

—by removing the cause—and cured to stay cured—If 3 boxes of Fleming's Tonic Heave Remedy fail to effect a cure of any case, old or new, we will refund the full amount paid.
Per Box, \$1.00; 3 for \$2.50. Mailed on receipt of Price.

Scratches Disappeared
Gentlemen—I gave a course of your Tonic Powders, which has put a horse and his mate in fine shape, and a touch of scratches has quite disappeared.
Geo. A. Miles, Oxville, Alta.

Full information in Fleming's Vest Pocket Veterinary Adviser
Write us for a Free Copy
FLEMING BROS., Chemists
75 Church St. - Toronto, Ont.

HOLSTEINS

1 bull 2 years old; 1 bull 18 mos. old, from a 23½ lb. 3-year-old dam. One bull 13 mos.; others younger.

R. M. Holtby, Port Perry, Ont.

For Milk, Butter, Cheese, Veal Holstein Cows Stand Supreme

If you try just one animal you will very soon want more.

WRITE THE
HOLSTEIN-FRIESIAN ASSOCIATION
W. A. Clemons, - Secretary - St. George, Ont.

Questions and Answers. Veterinary.

Fatality in Pigs—Cripple Pig.

1. Sow farrowed seven pigs. I fed her on shorts and they had plenty of exercise. One pig died at 10 days of age, and in about 10 days more two others died. They became stiff and turned purple before death.

2. Pig 4 months old, fed 1 part wheat to 5 parts ground oats and kept in warm pen is stiff and has difficulty in walking.

Ans.—1. The pigs died of constipation. The administration of a tablespoonful of raw linseed oil in the early stages might have saved them. Constipation must have been caused by the nature of the dam's milk. If she had been given a little milk, a little chopped oats, barley or peas mixed with the shorts, and raw roots, it is probable the trouble would not have occurred.

2. This crippling is due to too high feeding and want of exercise. Purge with 2 to 3 tablespoonsfuls of raw linseed oil, and follow up with 3 grains nuxvomica 3 times daily. Feed on milk, chopped oats with the hulls sifted out and raw roots and see that he gets daily exercise.

Miscellaneous.

Orthopedic Hospital.

Is there an Orthopedic institution in Quebec or Canada? Can patients go from Canada to such a hospital in the United States?

Ans.—1. We understand that there is such an institution on Bloor Street, Toronto. Undoubtedly a Canadian would be admitted to such a hospital in the United States.

Power on Farm.

We have electric power on our farm. Would it be cheaper to use a motor run by electricity than a gasoline engine for cutting corn, running a milking machine, pumping water, etc? What horse-power motor would it be necessary to install?

Ans.—1. It depends a good deal, in fact, entirely, on what you have to pay for electricity and for gasoline. Some have found the electric power to be cheaper than gasoline power and a little handier; others have found the reverse to be the case so far as cheapness is concerned. A five-horsepower motor will run a small cutting-box with carriers, will run a small threshing machine, a grinder, and any machinery requiring a smaller amount of power.

Alfalfa Versus Vetch.

Which is the more profitable for hay and forage, alfalfa or winter vetch? Must vetch be seeded every season or is it a permanent crop?

Ans.—We believe you would get more satisfactory feed from alfalfa, provided it will grow. The winter vetch is fairly hardy and stands the average Southern Ontario winters without injury. The winter vetch is a winter annual. This is a plant which sprouts in the fall, grows the following spring, produces a crop and then dies. It is generally sown in the summer; the exact time depending on the climate. The object should be to obtain a good stand before the cold weather begins. In Ontario it is largely grown as a cover or green manure crop. It produces a bulk of green matter. Half a bushel of good seed per acre is considered sufficient.

Four-Horse Eveners.

1. What are the measurements of the doubletrees as to length where the pullies are attached on a four-horse evener?

Ans.—1. In regard to the four-horse eveners which work with pullies, the first pulley is 7 inches from one end of the doubletree and the plow is hitched 15½ inches from the pulley. The second pulley is 2 feet from the first and the chain hooks to one set of doubletrees, through the two pullies and back to the beam of the single plow, or the axle of the double plow. The main doubletree would be a trifle over 5 feet long. One of our subscribers found that the chain worked best just behind the bridle or clevis on the left side. The length of the chain will depend on just where it is hitched. Some have found more satisfaction in hitching one place than another; consequently it might be advisable to experiment a little bit in order to find out where the chain will work best on your particular plow.

A NECESSITY



Finderne King May Payne
His dam and full sister average
35 lbs. butter per week.

at the head of your herd.
A bull that combines type and production.

FOREST RIDGE FAYNE HENGVELD

will suit you. His dam and sire's dam average over 32 lbs. butter per week. Write for pedigree, photo and price on what you want in Holsteins to:

Forest Ridge Farms Or better come and see them. L. H. Lipsit, Straffordville, Ont.



Daisy DeKol Hengerveld
Butter, 7 days.....31.20
Butter, 30 days.....123.35

Roycroft Farm Holstein-Friesians

Our 30-lb. bulls have all been sold, but we still have several sons of Pontiac Korndyke of Hot Loo, that are just nearing serviceable age. Get one of these for your next herd sire, have a brother of Hot Loo, Pietertje, the world's greatest junior two-year-old, at the head of your herd. We also have a 9-months, 27.78 lb. son of King Segis Alcartra; and one other, same age, by Dutchland Colantha Sir Mona. See them at once or write early.

W. L. SHAW - ROYCROFT FARM - NEWMARKET, ONTARIO.
Take Yonge Street Radial Cars from N. Toronto

CHOICE BULLS READY FOR SERVICE

No. 1—By a son of MAY ECHO SYLVIA. His two nearest dams (both Canadian champions), average 35.62 lbs. butter in seven days. Price \$1,000.
No. 2—By a son of MAY ECHO SYLVIA. His two nearest dams (one a four-year-old), average 34.17 lbs. butter in seven days. Price \$800.

Some extra choice young bull calves from \$300 to \$1,000. We have sold 37 bulls this winter.

HIGHLAND LAKE FARMS

R. W. E. Burnaby, (Farm at Stop 55, Yonge Street Radial) Jefferson, Ont.

LYNDALE HOLSTEINS

One 13-months-old Bull—Sire, May Sylvia Pontiac Cornucopia (¼ brother to Champion Echo Sylvia Pontiac) whose two grandams are K.P. Pontiac Lass, 44.18 lbs. butter in 7 days, and May Echo Sylvia, 41 lbs. in 7 days, 152 lbs. milk in 1 day. Dam of bull offered—Pietie Inka Pietertje, 4-year-old; butter in 7 days, 30.77 lbs.; 30 days, 124.34 lbs.; milk in 1 day, 102½ lbs.; 7 days, 696 lbs.; 30 days, 2796 lbs.

BROWN BROS., LYN, ONTARIO

Hospital for Insane, Hamilton, Ont.

ONLY THREE BULLS LEFT

(1) A splendid fellow, more white than black, born May 1917. He is a grandson of Dutchland Sir Mona, and his dam is a half sister of the famous Toitilla of Riverside.

(2) Born September and December, 1917, of A. I. R.O.P. dams.

APPLY TO SUPERINTENDENT.

SUMMER HILL HOLSTEINS

A number of choicely-bred bulls. One a real show bull, beautifully marked, dam a 30.76 junior four-year-old; sire's dam 34.60. The three nearest dams average over 100 lbs. milk a day. Can spare a few good heifers.

D. C. FLATT & SON, R. R. 2, HAMILTON, ONT.

MAPLE SOIL STOCK FARM OF HOLSTEINS

I am offering a few choice heifers, sired by King Segis Pietertje, that have just been bred to Finderne King May Payne; also some heifers and cows due to freshen all the way from February until April. All bred to Finderne King May Payne; a few heifer calves sired by Finderne King. Get some good ones.

H. C. HOLTBY R. R. No. 1 GLANWORTH, ONTARIO.

SILVER STREAM HOLSTEINS

Present Offering—six extra well bred bull calves, sired by bulls with 34-lb. backing, and from tested dams, individually as good as their breeding. For fuller particulars and prices, write, or better come and see them.

J. MOGK & SON, R. R. 1, TAVISTOCK, ONTARIO

Here's a Top-notch!

Sire, King Segis Walker, dam, 30-lb. daughter of Pontiac Korndyke, who herself has a 30-lb. daughter. He is a youngster, but he'll grow.

A. A. FAREWELL, Oshawa, Ont.

DUMFRIES FARM HOLSTEINS

Present Offering—A few bull calves.

S. G. & ERLE KITCHEN ST. GEORGE, ONT.

LOW BANKS HIGH-RECORDS: SONS OF "FAIRVIEW KORNDYKE BOY"

who now has seven daughters out of a total of eleven, with records of from 20 to 23 lbs.—two have milked over 600 lbs. of milk in 7 days. Also some young bulls from these heifers sired by Sir Echo. Only one ready for service from 30.14 dam, with a 20-lb. two-year-old daughter.

K. M. DALGLEISH, KENMORE, ONTARIO

WILLOWBANKS HOLSTEIN-FRIESIANS

Herd headed by King Walker Pride (C. H. B., 17362), (A. H. B., 207261) who is a son of the famous King Walker and the great show cow, Pride Hengerveld Lennox, 30.12, who is a granddaughter of Blanche Lyons De Kol, 33.31 and King Segis, who is a grandsire of world-champion cow, also of the two highest-priced bulls of the breed. Young stock for sale.

C. V. Robbins Bell Phone Wellandport, Ontario.

EVERGREEN STOCK FARM HOLSTEIN-FRIESIANS

Our unparalleled success at the Toronto and London Exhibitions during the past five years places Evergreen Holsteins in a class by themselves. The strong combination of size and type found in our individuals makes record producers. Your next herd bull should be carefully selected. See our offering before buying elsewhere.

A. E. HULET, (Oxford County) NORWICH, ONT.

Riverside Holsteins

We still have some good bulls on hand, including two half-brothers of Toitilla of Riverside, former Canadian R.O.P. Champion. Write or phone your wants to—J. W. Richardson, Caledonia, Ont.

Pioneer Farm Holstein Herd

With big yearly records and high average butter-fat test, and headed by Canary Hartog, grandson of Royalton Violet, at 10 years, 30.39 lbs. butter, 735 lbs. milk in 7 days; 29.963 lbs. milk, 1,300 lbs. butter in 1 year. Sire's dam, Royalton De Kol Fern, 34.60 lbs. butter in 7 days, 116 lbs. milk in 1 day. Bull calves for sale, born after Jan. 25th, 1917; dam over 11,000 lbs. milk up to nearly 16,000 lbs. milk in 1 year at 2 years old. Walburn Rivers, R. R. No. 5, Ingersoll, Ontario, Phone 343L, Ingersoll Independent Line.

RIDGEDALE STOCK FARM

offers for sale young bulls from high-testing dams, such as Lakeview Dutchland Wayne Rose, the highest producing cow of her age in the world. It will pay you to inspect these before buying.

DR. F. A. HESLOP, Prop., R. R. No. 1, FREEMAN, ONTARIO. CHAS. HESLOP, Manager

Questions and Answers. Miscellaneous.

Sp.

1. I have a yearling heifer. How can I tell if she is a cow or a bull?

Ans.—1. It may be a cow or a bull. Look at the shape of the udder. A cow's udder is usually well developed and hangs down. A bull's udder is usually small and hangs up. Also, look at the shape of the head. A cow's head is usually wider and more square-jawed. A bull's head is usually narrower and more pointed.

Tubercu.

1. I killed a hen that seemed perfectly healthy, but it had yellow spots on its feet. Would this be a sign of tuberculosis?

Ans.—1. The yellow spots on the feet are usually a sign of tuberculosis. However, they can also be a sign of other diseases. It is best to consult a veterinarian for a proper diagnosis.

2. We had a few hens that appeared to be getting fat, but they were not laying. What is the matter?

Ans.—1. The hens may be suffering from a condition called "fat liver" or "fatty liver." This is usually caused by overfeeding or by a lack of exercise. It can be treated by reducing the amount of food and increasing the amount of exercise.

2. The symptoms of tuberculosis in a hen are usually a loss of weight, a loss of appetite, and a loss of interest in laying. The disease is usually fatal.

3. Try bathing the hens in warm water. It will help to keep them clean and healthy.

4. Cleanse it on the inside with a cathartic.

How can we rid the soil of this pest? The best way is to use a good soil sterilizer.

Ans.—Cut worms are usually found in the soil. The best way to get rid of them is to use a good soil sterilizer. This will kill the worms and prevent them from laying eggs.

1. Plow fields after crop is off, to plow up and attract them.

2. Use poisoned bait. Make mash as follows: 1 part bran in a box, 1 part patent mail of water, 1 part molasses or cheap sugar of Paris green by dust at a time, then mixing till the green can be seen through the bran.

3. If the caterpillars are marching in army, can usually be stopped by furrow with the steam engine, though so trench is necessary.

4. As an extra precaution, a yard or two in or furrow very thoroughly, 2 lbs. to 40 gal.

5. Where practical, after sunset or early in the morning, heavy roller kills many.