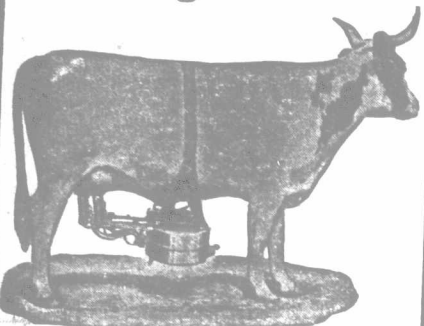


THE OMEGA Milking Machine



has been installed in the private dairy of H. M. King George V. at Windsor Castle, and also at His Majesty's private estate at Sandringham. The OMEGA, in a 17-day test on ten cows (against 17 previous days) at the O.A.C., Guelph, increased the milk flow 206 lbs., or 3 per cent.

Cleanly and Efficient

The OMEGA is the only machine that draws the milk from the teats through stiff transparent celluloid tubes to the pail which is suspended from the cow. (See cut.) The pail cannot be kicked over and the teat-cups cannot fall to the floor and suck up straw or manure. There are no rubber tubes in the OMEGA to crack and harbor germs. The OMEGA is simple in design and easily cleaned.

Write to-day

for free booklet describing the many exclusive and desirable features of the OMEGA.

C. RICHARDSON & CO.,
St. Mary's, Ontario

Make Big Money Boring Wells

Have water on your own farm. In spare time make wells for your neighbors. Means \$1000 extra in ordinary years, double that in dry years. No risk—no experience necessary.

One Man
One Team



Complete Outfit for Getting Water Quickly Anywhere

Includes boring rigs, rock drills, and combined machines. One man with one horse often bores 100 feet or more in 10 hours. Pays \$50 to \$1 per foot. Engine or horse power. Write for Easy Terms and Illustrated Catalog.

Lisle Mfg. Co., Clarinda, Iowa.
Address: Saskatoon, Sask. Dept 172

18 HOLSTEIN BULLS FOR SALE

Eleven months and under; also 1 cow; 8 heifers, freshening from March till September, from tested and untested dams.

R. M. HOLTBY, PORT PERRY, ONT. R. 4

INVEST \$40 AND MAKE \$1,000

By breeding your best cow to King Segis Alcartra Calamity, the \$2,000 bull. Mr. Stock paid us \$40 for the service of Baroness Madoline, and sold the offspring for \$1,000. Better get in touch with "King" and make some easy money.

Arbogast Bros., Sebringville, Ont.

For Sale

A son of Inka Sylvia Beets Posch, eleven months. Write for particulars and pedigree to
W. T. Fritz, R. R. No. 2, Brighton, Ont.

FOR SALE

Ayrshire Bull—Calved Dec. 16, 1915

Color white, with brown on neck, ears and head. Bred in the purple. Dam stood fourth in dairy test at Ottawa Winter Fair, 1916. First cheque for \$100 takes him. Address:

C. H. McNISH, Lyn, Ont.

Glencairn Ayrshires Herd established 40 years. Producing ability from 8,600 to 11,022 lbs. If that sort of production appeals to you, we have heifers all ages and young bulls for sale. **Thos. J. McCormick, Rockton, Ont., Copetown Stn., G. T. R.**

City View Ayrshires

for April—One R.O.P. cow, fresh; two bulls fit for service, and a few choice bull calves.

JAS. BEGG & SON, St. Thomas, Ont.

Choice Offering in Ayrshires

At Special Prices. Several young bulls of serviceable ages. All from R.O.P. sires and dams. Come and see them.

Geo. A. Morrison, Mount Elgin, Ontario

Questions and Answers. Miscellaneous.

Permanent Pasture.

Some time ago I read in "The Farmer's Advocate" of a mixture of grasses for permanent pasture, but I neglected to save the paper. Would you again publish the mixture?
G. J. F.

Ans.—For fairly high land, there are a number of grasses which give fairly satisfactory results. Orchard grass, 4 lbs.; meadow fescue, 4 lbs.; tall oat grass, 3 lbs.; meadow foxtail, 2 lbs.; white clover, 2 lbs.; alsike, 2 lbs.; Kentucky blue grass, 4 lbs., and timothy, 2 lbs., will give very good pasture throughout the entire season once they get a good start. Some prefer adding 3 or 4 lbs. of alfalfa and 3 lbs. of red clover to the mixture to furnish feed the first year, before some of the finer grasses become established. Alfalfa does not generally stand pasturing and red clover dies out after the second year.

Basic Slag—Colt's Shoulders.

Have you used basic slag on potatoes on Weldwood farm? Do you prefer using it with farmyard manure, or with a fertilizer of three per cent. ammonia and ten per cent. phosphoric acid?

2. What is best to put on a colt's shoulders to toughen them for spring work?

3. What is the analysis of basic slag and how is it produced?

J. R.

Ans.—1. Basic slag, on potatoes, has given very good results at Weldwood. If manure was available we would prefer using it in conjunction with the slag rather than the fertilizer mentioned.

2. It is advisable to give the colt light work for a few weeks previous to the spring rush, in order to toughen up the shoulders. See that the collar fits snugly to the shoulder and that the hames are properly adjusted. Do not overwork the colt the first day or two on the soft ground. Overheated blood is the most prolific cause of sores appearing on the shoulders. Keep the collar and shoulders clean; bathe with salty water, or with alum water. This will tend to toughen the shoulders.

3. High-grade basic slag contains from 18 to 24 per cent. of phosphoric acid and a considerable quantity of lime. This material is a by-product in the manufacture of steel by the Bessemer process.

Henhouse With Stone Walls too Moist

I have a flock of about 70 bred-to-lay hens which do not lay. They receive the best of care and feed, consequently we have come to the conclusion that the henhouse is at fault. It has a stone wall on the north and west sides, which has been covered with white frost most of the winter. The other two sides are board with a stone foundation. The south side is partly canvas and also has a window about 3 by 3 feet. Would covering the stone wall with boards be of any advantage? How would you change the building to make it suitable?
A. E. J.

Ans.—The frost on the walls indicates dampness and lack of ventilation. Under these conditions it is hardly reasonable to expect the hens to lay. Your birds must have strong constitutions or they would have fallen a prey to some ailment when living under the conditions mentioned. No doubt the pen could be made drier by placing 2 by 4 studding against the stone wall and then covering with matched lumber. This would leave an air space which should tend to prevent the dampness from the stone wall. You do not state how large a pen you have, consequently it is rather difficult to state the amount of glass and cotton which it should contain. Board the south side one-third of the way up, then try using about one-third glass and one-third cotton. Have the glass extend to the top of the pen in order that the rays may shine to the back of it. During calm days in the winter the cotton should be raised. The cotton will furnish ventilation which will tend to offset the dampness. If the pen has a gable, this might be filled with straw, which will tend to absorb dampness. However, we believe that by lining the walls and then allowing more glass and cotton space the pen will be more satisfactory.



MANOR FARM



KING SEGIS PONTIAC POSCH SENIOR SIRE IN SERVICE AT MANOR FARM

Sire King Segis Pontiac Alcartra (the \$50,000 Sire)
Dam Fairmont Netherland Posch (32.59 lbs. at 4 yrs. old)

Young Sires from Manor Farm

Are in great demand. I have only two bull calves left, both of very choice breeding, one from a 28-lb. dam, the other from a 20-lb. two-year-old now under test and making good.

They are priced right to sell. Write for extended pedigree and photo.

**GORDON S. GOODERHAM
CLARKSON, ONT.**

AT SERVICE

May Sylvia Pontiac Cornucopia

"The most perfectly bred bull of the breed," and a perfect individual. Sire, Spring Farm Pontiac Cornucopia, a son of the 44.18-lb. cow, K. P. Pontiac Lass. Dam, May Echo Pontiac, a daughter of the great May Echo Sylvia, champion milk cow of the world. The butter records of his two grandams average 42.59 lbs. in seven days, and 170.5 lbs. in thirty days, being also another world's record.

Apply early, as only a number of approved cows will be accepted. Terms, a matter of arrangement.

Owners—W. F. Elliott, A. J. Camplin, C. R. Dyke, L. M. Kennedy, G. Brownsberger.

W. F. ELLIOTT, Sec., (Bell Phone) Unionville, Ont.

"Eastlake" Metallic Shingles

Fire, Lightning, Rain and Storm Proof. Easily laid, and make a good appearing, permanent roof. A post card will bring you particulars.

Metallic Roofing Co., Limited, Manufacturers, Toronto

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The choicest lot of young bulls we ever offered is the best description we can give you of the half dozen we are now pricing—from our Korndyke bull and R.O.P. dams, testing 4.08 per cent. butter-fat. Ages range from three to twelve months. No females offered.

Apply to Superintendent

20,177 lbs. milk, 780 lbs. butter

is the official record of "Burkeville Hengerveld" (9906), the first 20,000-lb. 4-year-old in Canada. We offer a young sire, born Oct. 16, out of a 2-year-old daughter of this great cow, sired by a son of "Calamity Johanna Nig" 25,443 lbs. milk, 1,007 1/2 lbs. butter (semi-official) in one year, 108 lbs. milk in one day. Sire's sire "May Echo Prince", a son of May Echo, 1/2 brother to "May Echo Sylvia" 152 lbs. milk in one day; 1,005 lbs. milk, 41.00 lbs. butter in 7 days.

This calf is a beauty and is priced very reasonable. Write us.

JOSEPH O'REILLY,

R. R. No. 9,

PETERBORO, ONTARIO

SUMMER HILL HOLSTEINS

The only herd in America that has two stock bulls that the dam of each has milked over 116 lbs. a day and their average butter records are over 35 lbs. a week. We have fifty heifers and young bulls to offer, by these sires, and out of dams just as well bred. We invite personal inspection.

D. C. FLATT & SON, R. R. 2, HAMILTON, ONT. Phone 7165

EVERGREEN STOCK FARM—High-class Registered Holsteins

To breeders who wish to make secure their future success we are offering some extra choice bull calves at living prices. Two of these are from daughters of a son of Lulu Keyes, 36 lbs. butter 7 days, and 21 lbs. milk per day, and sired by Prince Colantha Abbecker, whose dam made 32 lbs. butter 7 days and 104 lbs. milk per day.

A. E. HULET, NORWICH, ONT. BELL PHONE 48-r. 3



Glenhurst Ayrshires For 50 years I have been breeding the great Flos tribe of Ayrshires, dozens of them have been 60-lb. cows, I have lots of them get 60 lbs. a day on twice-a-day milking. Young bulls 1 to 10 months of age, females all ages. If this kind of production appeals to you, write me.

James Benning, Williamstown, Ont.