

## Cost and Service

The two factors considered before a purchase is made.

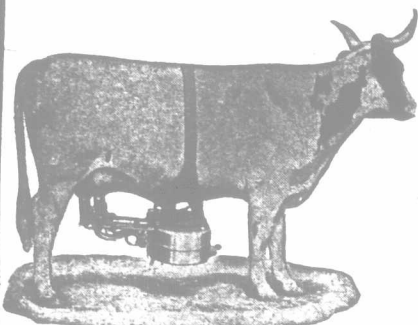
## Steel Truss Barns

measure up to every requirement. They are as sturdy as a skyscraper. They have no cross-beams to hinder unloading or mowing away. They are fire and lightning-proof. They have metal-clad, roller doors, lift roof-lights, sliding side windows and "Acorn" ventilators. The cost will compare favorably with a wood frame barn.

Send for a copy of new book, "The Steel Truss Barn."

**The Metal Shingle & Siding Co., Limited**  
Preston, Ont. Montreal, Que.

## 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

## H. Fraleigh, Forest

LINSEED MEAL  
FLAX SEED  
OIL CAKE  
COTTON SEED MEAL  
Write for Prices.

## WANTED

8-10 Holstein heifers, in calf.  
**Herold's Farms, Beamsville, Ont.**

"King Segis Pontiac Duplicate" is a son of "King Segis Pontiac", sire of more high-priced bulls than any other in U.S.A. Duplicate's dam is by King of the Pontiacs, having made 21 lbs. butter, 17,500 lbs. milk at 2 years, and is sister to two 40-lb. cows (one 44-lb.), seventeen 30-lb. cows, also sister to 185 A.R.O. cows, a showing made by no other bull, living or dead. One of Duplicate's first tested daughters is Queen Pontiac Ormsby, first heifer in Canada to give 600 lbs. milk in seven days. Write and get a brother of this great heifer for your next sire. R. M. Hotby, Port Perry, Ont.

## Questions and Answers.

### Miscellaneous.

#### Leg Weakness in Chicks.

I had some chickens hatch on January 1 and they appeared quite strong, but in three weeks' time one lost the use of its legs and now four out of the eleven have weak legs. The trouble started one night and no sign of disease could be seen the previous day. I keep them on a cement floor and fed them at first four times a day on bread and twice a day on egg; later I gave them chick feed, cornmeal and bread. They have been kept indoors except for one hour outside in the sunshine. What causes the trouble? What treatment do you advise? Will they make good layers, or will this trouble injure the laying qualities?  
A. B. McL.

Ans.—Leg weakness is the term applied to the trouble from which we believe your chicks are suffering. The chief cause appears to be that in birds growing rapidly and fed heavily the weight sometimes increases faster than the strength. Overcrowding, unventilated quarters, and overheating are also claimed to cause the trouble. It is very often noticed in chicks which are raised in brooders in which too much heat is applied to the floor. However, in your case where the chicks are on cement it is doubtful whether the cause could be attributed to this. It is advisable to have the heat evenly distributed throughout the brooder and to come from above the birds, rather than below. The cornmeal is rather too fattening for young chicks. Bran, wheat, and oatmeal are preferable. Give skim-milk instead of water to drink. The chicks should have plenty of green feed, as sprouted oats, which are excellent for either young or old during the winter. If the chicks grow and mature properly the trouble should not interfere with egg laying.

#### Seeding Down on Spring Plowing.

I have two small meadows seeded down last spring, but, owing to the extreme wet, followed by a drought, there is only half a catch. The clover mostly lived but the timothy is nearly all dead. Should I plow them up in the spring, or would it be advisable to go over the ground with a drag harrow and sow timothy by hand?

2. We purchased a farm on which only 6 acres were plowed and part of this was done two years ago and left to grow to weeds. A small part of the field was planted to potatoes, but it also is very weedy. The land has had very little manure in the last five years. Plowing for spring crop must be done this spring as we were unable to do any plowing last fall. We purpose sowing barley and oats, and would like to know whether it is advisable to seed this land with clover this spring or plow the stubble after the grain is harvested and seed to rye, and then sow the clover a year from this spring. We have no barnyard manure to apply to the land.  
M. L. S.

Ans.—1. It depends on how thick the clover is. If the clover is a fairly good stand it might give very good returns alone. However, by scattering a little timothy over the field you would ensure a better bottom which would not only check the weeds, but give more feed should the land be left in sod longer than the year. There is danger of injuring the young clover plants with the drag. The timothy might be applied early in the spring, while the land is still moist. Many make a practice of sowing grass seed on fall wheat, for instance, and the same would apply to a meadow, just as the frost is coming out of the ground. The soil is usually more or less honeycombed before the spring rains begin, and the small seeds usually take root quite readily. You should not count on much feed from the timothy sown this spring.

2. We doubt the advisability of seeding down somewhat impoverished weedy land that is spring plowed. If the weather set in dry the small seeds would have no chance. We believe you would have more satisfactory results by endeavoring to clean the land a little and possibly incorporate some humus in the form of manure, or plowing under a green crop before sowing grass seed.



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., 4 years old.

## Important Announcement!

For the first time since our fire in February, 1915, we are in a position to invite all those interested in the Black and White breed to visit *Manor Farm* and inspect our herd of

## 100 PURE-BRED HOLSTEINS

Since this announcement first appeared a few weeks ago, I have been flooded with enquiries for young sons of King Segis Pontiac Posch. His great individuality is stamped in every one of his offspring, and this, combined with his extremely rich breeding, has made the demand for his young sons of serviceable age greater than the supply. If you have been thinking about one of these for your next herd sire, you should get your order in early.

**Gordon S. Gooderham, MANOR FARM 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 7 days, and 170.5 lbs. in 30 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. Elliot, A. J. Camplin, C. R. Dyke, L. M. Kennedy, G. Brownsberger.

**W. F. ELLIOT, Sec., (Bell Phone) Unionville, Ont.**

## Yearling Heifers For Sale

As our stables are full, and expect several more calves shortly, offer for quick sale 3 yearling daughters of Dutchland Colantha Sir Mona; also 2 beautiful daughters of Pontiac Korndyke Het Loo. The 35-lb. bull is sold. We also have a 17-months' bull by King Pontiac Artis Canada, and out of a 25-lb. sister of the great May Echo. Another, same age, by Dutchland Colantha Sir Mona, and from the noted 25-lb. show cow, Cherry Vale Winner. Come and see these, you will like them.

Gordon H. Manhard, Supt. W. L. Shaw, Newmarket, Ont.  
Stops 69 Yonge St. Toronto and York Radial Cars

## HIGHLAND LAKE FARMS

Jointly, with J. Alex. Wallace, of Simcoe, we have leased for the season the great young bull, AVON-DALE PONTIAC ECHO, a son of MAY ECHO SYLVIA, 41 lbs. butter in seven days, 152 lbs. milk in one day, and other world's records for milk production.

Two fine young bulls of serviceable age for sale, one from a 34-lb. bull and a daughter of a 30-lb. son of the great KING SEGIS, the other from a son of the \$35,000 bull, both grand individuals and from high R.O.M. cows. Over seventy females to choose from. Send for pedigrees and prices.

**R. W. E. BURNABY, (Farm at stop 55, Yonge Street Radial) Jefferson, Ont**

## 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**

## CLOVERLEA HOLSTEINS

We have too many young bulls on hand at present. We want to sell them—our prices will surprise you. They are all from tested dams and by our herd sire, Pontiac Norine Korndyke. Write quick **GRIEBBACH BROS., COLLINGWOOD, ONT**

### ORCHARD LEIGH HOLSTEINS

Bulls ready for service, from cows with records up to 29.20 lbs. butter in 7 days, and 93 lbs. milk in 1 day, sired by King Veeman Ormsby, whose dam gave 83 lbs. milk in 1 day, 659.6 lbs. milk and 25.81 lbs. butter in 7 days. Write, or come and see them. You will want one sure. **JAS. G. CURRIE & SON, (Electric Car stops at gate) INGERSOLL**

### PIONEER FARM HOLSTEIN HERD

Of long-distance record makers, the kind that milk heavy and test around 4 per cent. the whole year. Of the six highest butter-fat record the two-year-olds in Canadian R.O.P.; one half were bred at Pioneer Farm. Young bulls for sale from dams of the same breeding as these and sired by Canary Hartog whose three nearest dams average 30 lbs. butter in 7 days and 108 lbs. milk in one day. **WALBURN RIVERS, R. R. No. 5, INGERSOLL, ONT. Phone 343 L. Ingersoll Independent**

### THREE HOLSTEIN BULL CALVES

Twelve months old, and good individuals. They are all sired by Lynwood Duke, a son of Daisy Posch (29.01-lb. 4-yr.-old) and sweepstakes winner, Ottawa Dairy Test, 1914. We also have others younger and would price a few females, freshening early. Everything offered has official backing. Write—**W. J. BAILEY, JARVIS, ONTARIO**

## 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 121 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 46-r. 3**