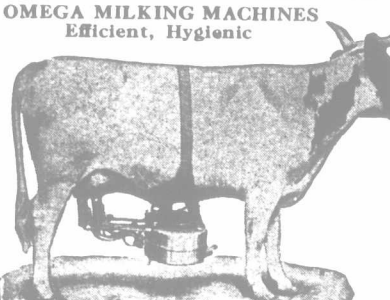


**BOB LONG**  
UNION MADE  
GLOVES and OVERALLS  
*Known from Coast to Coast*  
**R.G. LONG & CO. LIMITED**  
WINNIPEG TORONTO



**OMEGA MILKING MACHINES**  
Efficient, Hygienic

The pail and teat-cups are suspended from the cow's back. The teat-cups cannot fall to the floor and suck up manure or straw. The Omega has no rubber tubes. The Omega milks as fast and as clean as is possible by hand. Leading dairymen in Canada, U.S.A., and Europe, are using the Omega. It's a perfect milker.

WRITE TO-DAY for free booklet describing the special features of the Omega.  
**C. Richardson & Co., St. Mary's, 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. Holtby, Port Perry, Ont.**

## H. Fraleigh, Forest

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

## Food Value

From experiments made at the Ontario Experimental Farms of the different breeds of cattle during 221 days' test, the Ayrshires produced the greatest number of pounds of milk, fat and casein. The real value of a herd is the amount of food it can produce from year to year. Ayrshires are high-testing, heavy-producers. For information about establishing a herd, write:—

### The Canadian Ayrshire Breeders' Association

W. F. Stephen, Sec., Huntingdon, Quebec

## CRAIGIELEA FARM

The home of high-quality Ayrshires. Look up our records in public dairy tests and R. O. P., made under normal conditions. A few young bulls and females up to a carload.

**H. C. HAMILL,** R. K. No. 1, Markham, G. T. R. Station  
Locust Hill, C. P. R. Home 'phone. Bell connection at Markham.

### 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.  
**Jno. A. Morrison, Mount Elgin, Ontario**

**Glencairn Ayrshires** Herd established 40 years. Producing ability from 8,000 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.**

the highly nitrogenous feeds. One year is all clover should be left down, as the clover largely dies out the second year. A 50-acre farm might very nicely be divided to work a three-year rotation—grain, hay and a hoed crop. It would hardly be feasible to divide it evenly into these three crops. The pasture could be counted as part hay and part grain, especially if the spring grains are sown for pasture. The seeding down could be done with the spring pasture and the fall wheat, or, in case no wheat was grown, with some other spring grain. The land which furnishes pasture up to the first of July could be broken up for the wheat, and what is left for hay could be plowed either fall or spring for corn.

2. A little over three acres of a ten-ton-per-acre crop would be required.

3. There are arguments in favor of both methods. A small farm well worked usually returns a greater net profit per acre than a larger farm, but where only one man does the work, he is continually tied down. It will be necessary for him to have almost as many implements to work a small farm as are required for a large one. This brings the overhead expenses a little high. Again, it will depend on the line of farming followed. For grain and stock, 100 acres or more make a very nice-sized farm. This cannot be termed a large farm, but at the same time it will furnish sufficient work to keep two men busy the year around, if the farm is run right.

4. The variety of corn depends considerably on the season. In some localities one variety is recommended, while in another an entirely different variety gives the best results. Any of the standard varieties are good. Of the Dents, Golden Glow and White Cap are possibly a little earlier than Bailey and Wisconsin No. 7. All are heavy yielders, but there appears to be different strains in each variety.

5. It is a matter of agreement between landlord and tenant, but it is usually an unwritten law that straw grown on the place remains there.

6. Five or six crosses give practically pure-bred stock, although only with very few breeds are they eligible for registration.

## Gossip.

### A Good Year with Oxfords.

Henry Arkell & Son, of Arkell Station and Guelph Post Office, Ontario, write "The Farmer's Advocate" that the past year has been a successful one with them. Regarding their sales, they write thus, "The year of 1916 is now past; it has been a very successful one with us. We have retained in crates the past season 140 head of both sexes, and about 200 in carlots. They have gone from the Atlantic to the Pacific, both in Canada and the United States; to the Northwest, to the Maritime Provinces and as far as the States of Oregon and Washington. Our advertisement will commence with "The Advocate" again in June, when we shall be able to supply our customers again in a lot of good yearling rams and ewes. We wish to thank "The Advocate" for a goodly number of our sales made through it."

### Some Good Shorthorns at Woodslee.

Sometime ago a representative of the Farmer's Advocate visited the farm of Gordon Smith, Woodslee, Ontario, and found there a Shorthorn herd which will compare favorably with other good breeding herds in Ontario. Although this herd numbers only about 40 head, there is a good percentage of outstanding individuals in the lot, and this one would expect, for the breeding females are the get of such good sires as Scottish Prince Imp.=50090=(84728), Prince of Archers Imp.=60861=(92900); Bud's Emblem=63860=; Spicy Count Imp.=50095=(104020); Count Nonpareil=78443=; Lord Lavender=70558=; and Lavender Victor=83341=. Along blood lines they represent such noted families as Golden Drops, Lavenders, Butterflys, Wedding Gifts, Rosebuds, Nonpareils, Duchess of Glosters, Lovelys, and others. These coupled with the massive, smooth, and successful sire, Broadhooks' Star=90857=, now in service, make the progeny high classed. There is elsewhere advertised in these columns a number of bulls bred along these lines. Parties wanting such stock, at a moderate price, should write to Mr. Smith about this offering.



## Rock and Brick Face "METALLIC" Siding

Gives an armour-clad building that defies time—weather—fire—storms.

PUT heavy, full gauge Galvanized "Metallic" Steel Siding plates on your building and you have a steel coat that simply laughs at old Father Time.

Needn't paint for years unless you want to—unlike inflammable wood that needs constant protection. "Metallic" plates are absolutely wind, snow, rain, fire and storm proof. "Metallic" patterns are many and pleasing, the Rock and Brick-face and Clapboard being the most popular. Send for price list today. We can save you money.

We also make "Eastlake" Galvanized Shingles; "Empire" Corrugated Iron "Metallic" Ceiling Plates; Ventilators; Roof-lights; Silo-roofs, etc.

**The Metallic Roofing Co., Limited, - Winnipeg and Toronto**

## COMPLETE DISPERSAL SALE OF 32 Head of Registered HOLSTEIN CATTLE

The Property of J. Harvey Chalk, will be held at the farm on THURSDAY, FEBRUARY 1st, 1917

Rigs will leave Avlmer, Ont., (Brown House), at 1 o'clock p.m. This herd is one of the best small herds in Western Ontario, and is headed by the young sire, Netherlands Hengerveld King. His dam, Netherlands Aaggie, with 21,660 lbs. of milk in one year was the Canadian champ. R.O.P. cow in 1909. Many of the females have good official records and several are freshening around sale time. 20 pure-bred Tamworth swine, 7 horses, hay and grain and farm implements will all be sold. Write for catalogues. TERMS CASH.

**LINDSAY & POUND** Auctioneers **J. Harvey Chalk, Prop., Dunboyne, 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.

**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, **AVONDALE 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. M. E. BURNABY,** Jefferson, Ont.  
(Farm at Stop 55, Yonge Street Radial.)

## Two Holstein Bulls—Born April, 1916

Either will make show animal. No. 1: Two nearest dams average 100 lbs. milk a day, and over 30 lbs. butter a week. No. 2: Dam and grandam average 24,000 lbs. milk in the year. Three nearest dams average 100 lbs. milk a day and over 30 lbs. butter a week. Can spare a few females.

**D. C. FLATT & SON,** R. R. 2, HAMILTON, ONT.  
LONG-DISTANCE 'PHONE.

**Cloverlea Dairy Farms** ready for service, from R. O. M. dams. Write for price and extended pedigrees. **GRIESBACH BROS.,** Proprietors, Collingwood, Ont., L.-D. 'phone.

## Dumfries Farm Holsteins

by De Kol Mechthilde Prince, a son of Prince Aaggie Mechthilde. We have on hand at present about 20 young bulls. Can also spare a few fresh cows. Visitors always welcome. **S. G. & ERLE KITCHEN, St. George, Ont.**

## Hospital for Insane, Hamilton, Ont.

Holstein bulls only, for sale. One fit for service, from a R. of P. dam, testing 4.08 per cent. butter-fat; also four ranging from three to nine months, all from our Korndyke bull. Apply to Superintendent.

### ORCHARD LEIGH HOLSTEINS

Special offering—2 heifer calves, 6 to 11 months, sired by King Veeman Ormsby. Several fine bulls, from cows with records of 29.20 lbs., 27.96 lbs., and 20.79 lbs. butter in 7 days, and from a 18.69-lb. junior two-year-old. Write, or better, come and see them.

(Electric car stops at the gate.) **JAS. G. CURRIE & SON, Ingersoll, Ont**

### HOLSTEIN BULLS READY FOR SERVICE

Two are by King Korndyke De Kol, a son of the great Pontiac Korndyke. One is from a 25-lb. 3-year-old, and the other from Queen of Oxford, dam of Queen Butter Baroness. We have others younger, by King Walker Pride, a 24.36-lb. son of King Walker. Write us also for females.

**COLLVER V. ROBBINS,** WELLANDPORT, ONTARIO

### 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 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 Hartos 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**



## Ayrshires & Yorkshires

We are only offering a few bulls, as our Club intends holding a sale on or about March 6. We will hold our stock for that. July and October Yorkshires.

**ALEX. HUME & CO., CAMPBELLFORD, R. R. No. 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.**