

**DOUGLAS EGYPTIAN LINIMENT**

**Cures Chilblains and Frostbites**

For Sale Everywh re

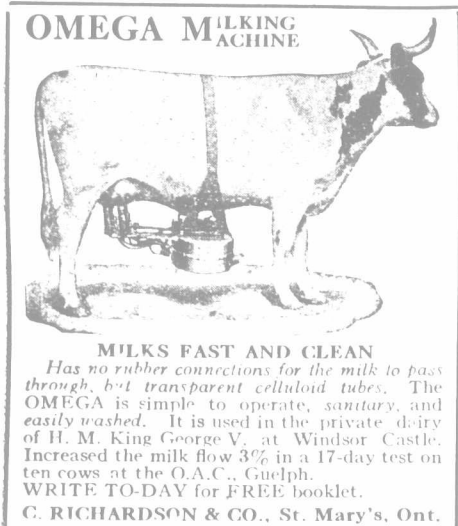
DOUGLAS & COMPANY MFRS. HANOVER, ONTARIO

**16<sup>95</sup> ON TRIAL**

**SEPARATOR**

ASOLID PROPOSITION to send new, well made, easy running, perfect skimming separator for only \$16.95. Closely skims warm or cold milk. Makes heavy or light cream. Bowl a sanitary marvel, easily cleaned. Different from picture, which illustrates larger capacity machines. See our easy Monthly Payment Plan. Shipments made promptly from Winnipeg, Man., Toronto, Ont., and St. John, N. B. Whether dairy is large or small, write for handsome free catalog and easy payment plan.

**AMERICAN SEPARATOR CO.**  
Box 3200 Bainbridge, N. Y.



**OMEGA MILKING MACHINE**

**MILKS FAST AND CLEAN**

Has no rubber connections for the milk to pass through, but transparent celluloid tubes. The OMEGA is simple to operate, sanitary, and easily washed. It is used in the private dairy of H. M. King George V. at Windsor Castle. Increased the milk flow 3% in a 17-day test on ten cows at the O.A.C., Guelph.

WRITE TO-DAY for FREE booklet.

**C. RICHARDSON & CO., St. Mary's, Ont.**

**BLACK LEG**

**LOSSES SURELY PREVENTED**

by CUTTER'S BLACKLEG PILLS

Low-priced, fresh, reliable, preferred by western stockmen, because they protect where other vaccines fail.

Write for booklet and testimonials.

10-dose pkg. Blackleg Pills, \$1.00  
50-dose pkg. Blackleg Pills, \$4.00

Use one daily for, but Cutter's simplest and strongest. The superiority of Cutter's pills is due to over 15 years of specializing in VACCINES AND SERUMS ONLY. INSIST ON CUTTER'S. If unobtainable, order direct.

The Cutter Laboratory, Berkeley, Cal., or Chicago, Ill.

"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.**

**RIDGEDALE HOLSTEINS** offers three young bulls (one ready for service) at special prices. One is by Pontiac Hengerveld Pieterje and the others are by King Segis Pontiac Duplicate. Can also supply a few females. **R. W. Walker & Son, Port Perry, R.R.4, Manchester, G.T.R., Myrtle, C.P.R.**

**Willowlea Holsteins** Offers a 20-months son of Sir Natoye Oakland. Others younger by Siepkje of Lakeview 2nd. Ask us also about our females.

**A. E. MIGHT, BRAMPTON, R.R. 5, ONT.**

### Questions and Answers. Miscellaneous.

#### Separating Buckwheat from Wheat.

Can any of your readers tell me if buckwheat can be separated from wheat?  
M. S.

Ans.—Mills which are designed for grading grain are usually equipped with screens which more or less separate the different grains. Some grains are more difficult to separate than others. The wild buckwheat can be taken out of oats by what is termed the buckwheat screen. A screen which would allow wheat to pass through and hold the buckwheat might be used. Of course, the size of kernels vary, and several screens might have to be used. Write the fanning mill companies advertising in "The Farmer's Advocate." Some make a specialty of devising screens to separate varieties.

#### Sweet Clover.

1. Can sweet clover be sown with fall wheat?  
2. How many crops can be cut in one season? Which crop do you save for seed? Is there any after growth? How many pounds should be sown per acre? What does it sell for?  
P. T.

Ans.—1. The seed may be sown in the spring on fall wheat, and a little pasture might be secured in the fall. If sown without a nurse crop a more luxuriant stand is usually secured the first year.  
2. It depends a good deal on the season. Occasionally a third crop is produced, but two can always be counted on if the first is not cut too close. The first crop of the second year can be allowed to mature, but it is more economical to cut the first crop for hay and leave the second crop for seed. The growth after cutting for seed would not amount to much. It is advisable to sow around 20 pounds of seed per acre. The price varies but is somewhere around the price of other clovers.

#### Difficulties in Churning.

We have considerable difficulty in getting our butter to gather. No matter how we manage, the cream seems to be increased to twice the bulk after it is churned about 15 minutes. We endeavor to have the cream at the right temperature, and we cannot understand why it does not churn. The cows are all in good condition and have been fresh five or six weeks. They are fed Lucerne hay, with about one-third timothy and blue grass, and four quarts of oat chop twice a day. They have water before them all the time, and can get salt when they want it. They are turned in the yard twice a week for exercise. Our cream tests 35 per cent. at the factory.

R. H. F.

Ans.—From the standpoint of the cows and the feed which they are receiving there should be little difficulty in getting the cream to gather, provided it is ripened properly. Succulent feed might be an improvement, but when feeding oats and Lucerne, the lack of it should not prevent the cream from gathering. There are several things which might be wrong, however, too much cream in the churn is one factor which makes difficult churning. You state that you have the cream at the right temperature, and we presume this is judged by the use of the thermometer. If the butter remains in small granules and will not gather, add 2 or 3 quarts of water several degrees warmer than the cream; revolve the churn a few times and draw off about half the buttermilk and then proceed to gather the butter. There is a possibility that you churn in a cold room. It does not take long to lower the temperature of the cream. Very rich cream has been known to thicken up in the churn so that concussion ceases. When this happens it is impossible to bring the butter. The remedy is to add water at churning temperature to thin the cream a little. We are inclined to think that this is your chief difficulty. Sometimes cream contains a gas-producing ferment which causes it to foam up. A handful or two of salt and a little water at about 70 degrees may tend to remedy this. If these suggestions fail to effect a remedy, try pasteurizing the cream, and using a pure culture to ripen it.

## BRANT COUNTY DISTRICT Holstein Breeders' Sale

Old Commercial Stables, Brantford, Ont.

**WEDNESDAY, JANUARY 31, 1917**

**5 Bulls 55 Head 50 Females**

We have never been more careful in making our inspection. Everything has been selected with the view of making a record sale. Seventy-five per cent. of all females sold will be either fresh or freshening around sale time. Several of the young bulls are now ready for service. Write for catalogue early. You will find the breeding right and if you attend the sale you will find the individuals right.

#### CONSIGNERS:

C. LEE, Kelvin; E. C. CHAMBERS, Hatchley; W. J. McCORMICK, Hatchley; W. H. SHELLINGTON, Harley; ELGIN WOOD, Norwich; F. S. PASSMORE, Brantford; A. KELLY, Vanessa; ED. BUTLER, Norwich; T. W. CRAIG, Brantford; FRANK CHAPIN, Newport; W. G. BAILEY & SON, Paris; LEWIS KELLY, Kelvin; WILBUR LEMON, Lynden; A. E. WESTBOOK, Oakland; J. G. WOOD, Scotland; E. E. SMITH, Scotland; ROBT. SHELLINGTON, Hatchley; WELLINGTON SAGER, St. George; N. P. SAGER, St. George.

**N. P. Sager, Sec., ST. GEORGE, ONTARIO** **F. S. Passmore, Pres., BRANTFORD, ONTARIO**  
AUCTIONEERS: ALMAS & MOORE. SALES MANAGER: J. W. RICHARDSON

## 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 Aylmer, 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, Netherland Hengerveld King. His dam, Netherland Aggie, with 21,666 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.**

## 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 41.18-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.**

## Hospital for Insane, Hamilton, Ont.

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

## 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 Car.

## 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 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.

GRIESBACH BROS.,

COLLINGWOOD, ONT.

## Riverside Holsteins

Herd headed by "King Johanna Pontiac Korndyke," a brother of Pontiac Lady Korndyke, 38.02 lbs. butter in 7 days. 156.92 in 30 days—world's record when made. His ten nearest relatives have official records that average 34.94 lbs. butter in 7 days. His daughters have made good in official test. The present R. of P. cow of Canada was bred here. Choice young bulls for sale.

J. W. RICHARDSON, R. R. No. 2, Caledonia, Ont.

## King Segis Walker,

through his daughters, is proving to be a worthy son of his illustrious ancestors. All of his daughters over two years have now been tested, at an average age of two years and six months, making 400 lbs. milk and 20 lbs. butter. Youngsters for sale.

A. A. FAREWELL, Oshawa, Ont.