

flows the cylinder the concave teeth ending far away from the center between the teeth when properly set not much over an inch easily seen that a cause cracking on the cylinder and allow un- through on the reason, it is im- eth in both the be kept straight. wrenches in the g any which get

me much worn, ed to separate not thresh as will always be keep good teeth difficult matter especially when cylinder and con- tly watched and on as they show loose. When a length of time, it it fits and may keep any tooth t hole hereafter. at weight of the need at which it very nearly per- chine is to run cylinder out of o heat the bear- de of the journal The vibrations ed cylinder are ne and tend to work. Putting nder may throw e the new teeth remaining in the ed in large one time all old to any extent. may be thrown ss of some of its

a rather difficult ed person can it satisfactorily ed shop facilities p. A separator ble to obtain n the neighbor- in this work. use in the con- and condition teeth furnished, and other things f machine. On sherman should on this point ine. In general, any more teeth resh the grain the more teeth be the power k. Too many nto fine pieces raw rack upon yor, and make difficult. In the heads, n- e cylinder has utting in more ed is likely to

eed of the ma- of the cylinder, not be increased t. without im- e remainder of npanies furnish or grains which They should are available. ossible without to the point ent separation. ll of teeth are y conceded to ve in the rear, blank between. brittle that it yinder can be ing the blank ye is not com- lacing the one front may be

rally made of ng enough to ny amount of ny any foreign ece of wood o the machine break. Then e. Such acci- ly in spite of aution, and it keep on hand



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

# FEEDS!

Linseed Oil Cake Meal, Corn Oil Cake Meal, Gluten Feed (23% protein), Bran, Shorts, Feeding Corn Meal, Digestive Tankage, Wheat Screenings, Corn, Cracked Corn, Beef and Bone Scrap, Grit Shell, Charcoal, etc., etc.

Ask for price on car lots of Linseed Oil Cake Meal.

We are buyers of Hay, Straw, Oats, Barley, Buckwheat, Mixed Grain, Potatoes, etc., car lots or less.

Canada Food Board License No. 3-170, 9-1917, 9-1779.

**CRAMPSEY & KELLY**  
Dovercourt Road, Toronto

## Clearing Sale of entire herd Cedar Hedge Stock Farm **HOLSTEINS**

Tuesday, October, 29, 1918

**50 IN NUMBER, OF WHICH 47 ARE FEMALES**, all except one are under 6 years of age. There are 9 half-sisters of Queen Butter Baroness, 16 grand-daughters of old Brookbank Butter Baron. All the females that are of breeding age are in calf to Lyons Segis' Champion three-quarter brother to May Echo Sylvia. Some due to freshen soon. All have been bred on the farm from four sires. This is one of the best herds in the county of Oxford and will be sold without reserve to the highest bidder. A splendid opportunity to improve one's herd.

Sale will be held at the farm one mile west and two miles south of Lakeside C.P.R. Morning and noon trains will be met.

Terms: 12 months' credit on approved paper. Parties from a distance must furnish satisfactory references. 5% off for cash.

Sale will commence 1 P.M.  
**ALEX. SHAW, Lakeside, Ontario**  
Proprietor  
**T. MERRITT MOORE - - Auctioneer**

## Holstein Bulls

Ready for service and younger. Cows and heifers bred to ORMSBY JANE BURKE, whose two nearest dams average 38.82 lbs. of butter in 7 days. The three nearest sires' dams and his dam's records average 35.69 lbs. for 7 days, and 112 lbs. milk for one day.  
**R. M. HOLTBY, R. R. 4, Port Perry, Ont.**

Please mention this paper

an extra concave filled with teeth. If an extra concave is at hand, it can be put into the machine, the damaged and broken teeth in the cylinder straightened or replaced, and the machine be ready to proceed in a few minutes, while at best a delay of several hours will ensue if the parts must be purchased.

For the same reason a supply of new teeth should be carried, together with the hammer and wrenches necessary for removing the broken ones and placing the new ones.

One should never try to examine the cylinder and concaves or make any repairs to them if the engine is belted to the separator unless he is absolutely sure that there is no danger of the engine being started by accident or carelessness. It would be safest, of course, to throw the main belt off the pulley.

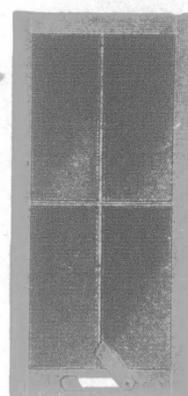
### Feeding.

A large majority of the threshing machines of the country are now equipped with self-feeders. It is a mistake, however, to assume that because the feeding is done mechanically the feeder will always deliver the unthreshed grain to the cylinder in the proper manner when the bundles are pitched on promiscuously and at irregular intervals. The governor which controls the feeder should be adjusted so that it will stop feeding as quickly as possible when the speed is reduced below normal. By all means it should be adjusted to act more quickly than the governor on the engine. If a reduction in the speed of the cylinder does not stop the feeder before the engine governor acts, the speed will pick up again and the bundles will continue to move into the machine without giving the separator time to clear itself of the overload which originally reduced the speed. Since it takes some overload and consequent reduction in speed to cause the governor to act, the grain which is in the machine when the speed is reduced will go on through before the speed can pick up again, and there is almost sure to be some waste. The feeders on some machines are provided also with a straw governor designed to stop the bundle conveyor without stopping the remainder of the feeder when too many bundles are moving to the machine in a bunch. When properly adjusted it prevents any more unthreshed grain moving up to the machine until such bunches have been thinned out and fed through the cylinder. Like the speed governor, it must be kept carefully adjusted if it is to operate quickly when it is needed.

The bundles should be pitched on one at a time, with the heads toward the machine, and the distance between bundles should be as nearly uniform as possible. In bundle-threshing, the centre, or dividing board, should nearly always be used to keep the bundles from piling up in the centre of the carrier. If one man on each side of the machine cannot pitch bundles in the proper manner fast enough to keep the machine supplied, it will usually be better to supply extra pitchers than to have two men pitch two or more bundles at a time without any regard to the way they fall on the conveyor. It is hard work to keep the bundles going into the machine in a steady stream, with the heads all pointing in the right direction, but unless this done, it is impossible for the machine to do its best work.

On most self-feeders there is provision for changing the speed of feeding with reference to the speed of the cylinder. This should be kept in mind and the feeder adjusted to feed slowly when the straw is tough or when other conditions will not allow fast threshing. A higher speed may be given to it when conditions are good, so as to keep the machine working to capacity at all times.

There are still many threshing machines not equipped with self-feeders. If hand feeding is to be done most efficiently, the feeder must have had considerable experience and practice. Good feeding is an art. The bundles must be spread out to go into the cylinder evenly and with just the proper frequency if the straw is to be evenly distributed in the separator. The more the straw is divided and spread out on the feeding table, the less is the power required to force it through the cylinder. This should be borne in mind, especially in feeding small machines when the amount of power is limited. Another important thing to remember is not to feed any grain into the machine when it is not running at the proper speed. It is possible to feed so fast as to reduce the speed to a point where good threshing will be impossible, and after the speed is



## STORM WINDOWS GLAZED COMPLETE Made To Your Own Sizes

Keep cold winds out. Enjoy comfort without wasting valuable fuel. We make windows complete to suit your openings. Get our prices to-day before cold weather sets in. Ask for price list of Storm Windows.

Safe Delivery Guaranteed

**THE HALLIDAY COMPANY, LIMITED**  
HAMILTON FACTORY DISTRIBUTORS CANADA

## HILLCREST HENGERVELD ORMSBY

Choice Holstein Bull, winner of 3rd prize in class of 15 at Toronto in 1915. He is the son of Hillcrest Ormsby De Kol, the son of a 39,000-lb. cow whose 2 daughters sold for \$7,300, at auction, has a 29-lb. 3-year-old sister and is out of a 20-lb. daughter of Sara Jewel Hengerveld's son whose dam and maternal sister sold for \$3,500. The former being Canada's first 100-lb. cow. If sold before Oct. 23rd, price \$500.00

WM. MANNING & SONS

Woodville, Ont.

## 33-lb. Grandsons of Lulu Keyes

I have at present ten young bulls all sired by my own herd sire King Korndyke Sadie Keyes a son of Lulu Keyes 36.05 lbs. of butter and 785 lbs. of milk in 7 days. These youngsters are all first-class individuals and their dams' records run as high as 33.29 lbs. of butter in 7 days. Several of them must go quick to make room

D. B. TRACEY

(Hamilton House Farms)

COBOURG, ONT.

## HET LOO PIETERTJE

THE \$12,750 HEIFER

Sold at the great Milwaukee Sale, was only one of the many daughters we have of our senior sire Pontiac Korndyke of Het Loo. We also have sons—brothers to this world's champion heifer; and for the next few weeks, these, along with several other young bulls of serviceable age, are priced exceptionally low. Let us hear from you if interested—at once.

W. L. Shaw, Roycroft Farm, Farm on Yonge St., Toronto & York Radial 1 1/2 hours from Toronto, New Market, Ont.

**HOSPITAL FOR INSANE, HAMILTON, ONT.**  
Present herd sire is one of the best sons of King Segis Alcartra Spofford; we have three of his sons born during May and June last and also a grandson of Lakeview Lestrage. Apply to Superintendent.

## Highland Lake Farms

For Sale: Two extra good (30-lb.) thirty-pound bulls ready for heavy service. Priced to sell. Also younger ones by a son of May Echo Sylvia.

R. W. E. BURNABY

Jefferson, Ontario

Farm at Stop 55, Yonge St. Radial

## Manor Farm Holstein-Friesians

If it's a herd sire you want, write me. I have sons of both my senior and junior sires, King Segis Pontiac Posch and King Korndyke Sadie Keyes. All are from good record dams.

Choice bull calves at present to offer — average for two nearest dams, up to 34.71 lbs. butter in seven days. Correspondence solicited, visitors welcome.

**Gordon S. Gooderham** Stations: Clarkson and Oakville  
Farm on Toronto and Hamilton Highway Clarkson, Ont.

## DUMFRIES FARM HOLSTEINS

Cows for sale, bred to Plus Evergreen, son of Evergreen March.

**S. G. & ERLE KITCHEN** Bell 'phone. **ST. GEORGE, ONTARIO**

## SILVER STREAM HOLSTEINS

Special offering—four well-bred young bulls fit for service, sired by King Lyons Colantha whose 6 nearest dams average 30.10 lbs. of butter in 7 days and from daughters of King Lyons Hengerveld whose five nearest dams average 31.31 lbs. butter in 7 days. For fuller particulars and prices write at once. Priced to sell. **J. MOGK & SON, R. R. 1, TAVISTOCK, ONTARIO.**

## Cloverlea Dairy Farm Holsteins

Present offering consists of three choice young bulls ready for service. Will be priced right for quick sale. For price and particulars apply to **GRIESBACH BROS., COLLINGWOOD, ONTARIO**

## EVERGREEN STOCK FARM . . . Registered Holsteins

Just now we are offering one choice yearling bull, ready for heavy service. The records of his five nearest dams average over 31 lbs. butter in 7 days, and over 100 lbs. milk in 1 day. We have also some high-record bull calves, including one whose dam and sire's dam have records that average 37.66 lbs. butter in 7 days and 127 lbs. of milk in 1 day. **A. E. HULET, Norwich, Ont.** Bell Phone 48-8

## HOLSTEIN BULLS

8 months and younger from Sir Gelsche Walker, whose 7 nearest dams average 30 lbs. butter in 7 days, and officially tested cows. Write for prices and full particulars. **Norval Station, Ont.**

## ORCHARD LEIGH HOLSTEINS

With only one exception every female in our herd averages around 4% in all of our Record of Performance work, and every mature cow in the herd has been, or is, running. Write us regarding both our 7-day and yearly record work. Our present offering in young bulls can not be duplicated in Ontario at the prices we are asking. **Jas. G. Currie & Son (Oxford County) Ingersoll, Ont.**

## YOUNG BULLS FOR SALE

from R.O.P. champions and dams and sisters of R.O.P. champions, sired by Canary Hartog and some by a son of Queen Butter Baroness, the dam of two champions in 7- and 30-day tests. We invite inspection and will meet prospective buyers at G.T.R. or C.P.R. stations—Woodstock or Ingersoll. **Walburn Rivers & Sons, (Phone 343 L Ingersoll, Independent Line) R. R. 5, Ingersoll, Ont.**

## Riverside Holsteins---Choice Bulls

We have several 10 months old, from dams with official records up to 100 lbs. of milk per day and 32.32 lbs. butter in 7 days. These are well marked and straight individuals. Inspection invited. **J. W. RICHARDSON CALEDONIA, ONTARIO**