



"The Imperial Name is Your Best Guarantee"

IMPERIAL
Lubricants

For gasoline-burning engines—automobiles, tractors, trucks.
IMPERIAL POLARINE AND IMPERIAL POLARINE HEAVY
 For motors requiring an unusually heavy oil.
IMPERIAL POLARINE A
 For kerosene-burning stationary engines and tractors.
IMPERIAL POLARINE KEROSENE TRACTOR OIL AND IMPERIAL POLARINE KEROSENE TRACTOR OIL, EXTRA HEAVY
 For open bearings of separators, binders, etc.
IMPERIAL PRAIRIE HARVESTER OIL LIGHT
IMPERIAL PRAIRIE HARVESTER OIL HEAVY
 For worn and loose bearings—a thick oil.
IMPERIAL EL Dorado CASTOR MACHINE OIL
 For steam cylinder lubrication—tractors and stationary engines.
IMPERIAL CAPITOL CYLINDER OIL
 For stationary and portable engines using either kerosene or gasoline.
IMPERIAL STANDARD GAS ENGINE OIL
 For grease cup lubrication—a clean solidified oil.
IMPERIAL ARCTIC CUP GREASE
 Made in different consistencies.
 Imperial Farm Lubricants are sold in 1 and 4 gallon sealed cans, half-barrels and barrels.

THE complete line of Imperial Farm Lubricants includes a carefully formulated and tested oil or grease for every type of automobile, tractor, stationary or portable engine—for every machine used on a modern farm.

Careful selection of the most suitable crude oils, painstaking care throughout every process of manufacture, accurate standardization of every grade—these are a few Imperial manufacturing standards that make the Imperial trademark your best guarantee of lubrication quality and service.

Leading manufacturers of automobiles and tractors recommend Imperial Lubricants. To secure dependable, economical operation, consult the Imperial Charts of Recommendations—displayed wherever Imperial Lubricants are sold. For additional information, suggestions or advice on lubrication problems, consult the Imperial Oil Man; or write our nearest branch.

IMPERIAL OIL LIMITED
Power · Heat · Light · Lubrication
Branches in all Cities

Mardella Dual-Purpose SHORTHORNS

Eight choice young bulls, 30 females, cows and heifers. All of good size, type and breeding. Herd headed by The Duke; dam gave 13,699 lbs. milk, 474 lbs. butter-fat. He is one of the greatest living combinations of beef, milk and Shorthorn character. All priced to sell. Write, call or phone.

THOMAS GRAHAM, Port Perry, R.R. 3, Ontario
Scotch Shorthorns—Herd headed by Master Marquis = 123326 =, by Gainford Marquis. Stock of either sex for sale. Also Oxford Down ewes.
GEO. D. FLETCHER, Erin, R.R. 1, Ont.

RAYMONDALE HOLSTEIN SIRE

We have for immediate sale a 24 months bull sired by King Segis Alcartra Spofford and from Princess Echo De Kol 2nd, who has the following record—

| | | |
|---------|--------|--------------|
| Butter— | 7 days | 35.32 lbs. |
| " | 30 " | 146.42 lbs. |
| " | 60 " | 281.12 lbs. |
| " | 90 " | 398.92 lbs. |
| Milk— | 7 " | 708.9 lbs. |
| " | 30 " | 2,904.3 lbs. |
| " | 60 " | 5,829.0 lbs. |
| " | 90 " | 8,448.9 lbs. |

This young bull is a good individual and is guaranteed right in every way. Write quick or come and see him.
RAYMONDALE FARM, Vaudreuil, Que.
D. RAYMOND, Owner,
Queen's Hotel, Montreal

20,000 lb.—Holstein Bulls—20,000 lb.
 Write us for extended pedigrees and full particulars of 1920 bulls whose dam and sire's dam average over 20,000 lbs. milk and 850 lbs. butter in R.O.P. **R. HONEY & SONS, Dartford, Ont.**

For Sale—Very fine Holstein Bull, tested for tuberculosis. Sire, Dutchland Colantha Sir Mona 10074. Dam, Hilda Butter Girl 21777. Record at two years, 15.2 lbs. Dam also for sale—tested for tuberculosis. Apply **Captain Calverley, M.C., Oakville, Ont.** Phone 125 r12

Hamilton House Holstein Sires

Our young bulls of serviceable age have all been sold but we have a number of the best young calves we have ever bred. All are from dams with good combination records for both milk and butter. Several are up to 700 lbs. of milk and 31 lbs. of butter for 7 days. If you are interested in a good calf, write or see them now—they can be purchased at considerably less than we will be pricing them next winter.

D. B. TRACY - (All Railways Bell Phone) - COBOURG, ONT.

Hospital for the Insane, Hamilton, Ont.

HOLSTEIN BULLS ONLY FOR SALE

Senior sire is from one of the best sons of King Segis Alcartra Spofford. Junior is grandson of the noted May Echo Sylvia, by Champion Echo Sylvia Pontiac.
 Write to the Superintendent for prices, etc.

HOLSTEIN BULLS FROM 30-lb. DAMS

If you want 30-lb. Bulls—good individuals—and priced right—you should see my present offering. I also have lower priced bulls, and am offering females bred to Ormsby Jane Burke. Correspondence solicited.

R. M. HOLTBY, Manchester G.T.R., Myrtle C.P.R., PORT PERRY, ONT.

Cloverlea Dairy Farms—Herd headed by King Pontiac Rauwerd, who combines the blood of Canada's greatest sires and dams. His offspring are a choice lot. We have stock for sale, both male and female, 75 head to choose from. Consult us before buying elsewhere. Could book a few more cows for service to "King."
GRIESBACH BROS., L.-D. 'phone, Collingwood, Ont.

"Premier" Holstein Bulls ready for service—I have several young bulls from dams with 7-day records up to 32.86 lbs. of butter, 755.9 lbs. of milk, with 110 lbs. of milk in one day—over 3,000 lbs. in 30 days. All are sired by present herd sire, which is a brother to May Echo Sylvia. Step lively if you want these calves.
H. H. BAILEY, Oak Park Farm, Paris, Ont

Evergreen Stock Farm Registered Holsteins

Our motto: Choice individuals—the profitable producing kind. Nothing for sale now, but get in line early for your next herd sire.

A. E. HULET, Oxford Co., G.T.R. - NORWICH, ONTARIO

HOLSTEINS—For the next thirty days I am offering bull calves from 2 to 4 months old, at reasonable prices. Sons and grandsons of Mercena Calamity Posch, and sired by Hill-Crest Rauwerd Vale. Come and see them, or write.

W. FRED. FALLIS, R.R. 3, Millbrook, Ontario

A Capital Young Holstein Bull for sale—a son of Lyon's Hengerveld Champion year-old daughter of Baroness Madeline 34.48 lbs. The dam of this young bull gave 19.82 lbs. with her first calf and is full sister to a 29.95 lb. cow. He will make a good herd sire and will be sold worth the money.
T. W. McQUEEN, Tillsonburg, Ontario

Gossip.

J. R. Fallis, of Brampton, purposes holding a dispersion sale of Shorthorns on August 11. He has a right good lot of splendid individuals to offer the public. For fuller particulars see advertisement in a later issue of this journal, and write Mr. Fallis for a catalogue.

The Clydesdale Horse Society of the United Kingdom of Great Britain and Ireland have published Volume 41 of their Stud Book, and a copy has been received at this office. It contains the pedigrees of mares numbering from 44,442 to 46,903, and of stallions from 19,592 to 19,894. The secretary of this Society is A. MacNeillage, of Hope Street, Glasgow. A list of the past presidents and vice-presidents of the society are published in this Volume, and among them are the names of prominent men who have made history for the Clydesdale horse.

Raymondale Offering.

Elsewhere in this issue Raymondale Farms of Vaudreuil, Que. is advertising a two-year-old son of a 35.32 lb. cow who gave 708.9 lbs. of milk in 7 days and also has a splendid 30, 60 and 90 day record all of which are given in the advertisement. This bull is guaranteed right in every way and is sired by King Segis Alcartra Spofford who sired the \$5,100 heifer at the Canadian National sale in April and also the \$4,500 heifer in the Roycroft sale last month. The management at Raymondale informs us that this bull is now the oldest young bull on the farm and is priced to sell.

The attention of Holstein breeders is here directed to the offering now advertised elsewhere in this issue by T. W. McQueen of Tillsonburg, Ont. Besides a few young cows to reduce the numbers in the herd Mr. McQueen informs us that he has one 14 months bull left that is one of the best calves ever raised on the farm. The sire of this calf is a son of a 25-lb 3-year-old daughter of Baroness Madoline and his dam is a daughter of Louis Prilly Rouble Hartog and made 19.82 lbs of butter in 7 days with first calf. Mr. McQueen will send an extended pedigree on request.

Questions and Answers. Miscellaneous.

Robber Fly.

What is the name of the enclosed fly? It was bothering the stock. H. K.

Ans.—The fly which you forwarded for examination is a species of Robber fly. These insects are predacious, feeding so far as I know, entirely on other insects. I have never heard of their attacking cattle. It is possible that the Robber fly was flying about the animal in order to capture stable flies and horn flies which would be feeding or resting on the heifer. It is not at all related to the European ox-warble or heel fly which commonly causes the cattle to stampede. It is possible, however, that the note produced by the fly in flight is similar to that produced by the female heel fly, in which case the heifer may have gadded, mistaking the flight of the fly for that of the heel fly.
 A. M. B.

Wormseed Mustard

What is the name of the enclosed weed? D. K.

Ans.—The weed submitted to this office is a sample of wormseed mustard. It is a native annual and winter annual, frequently found in waste places and on cultivated land throughout Canada. An average plant is said to ripen about 25,000 seeds. The seeds are bitter, and on account of their disagreeable taste hogs refuse to eat chop made from grain containing this seed in any appreciable quantity. The seed is often found in elevator screenings, and is sometimes an impurity in alsike and timothy seed. Fall cultivation of stubble land and a short crop rotation will keep this weed in check. It sometimes gets a chance to ripen in poorly-cultivated root and corn fields, and also in patches of a grain field where the grain has been destroyed from some cause or another.