

Local agencies and complete repair stocks everywhere

MCCORMICK HARVESTERS

Works at Hamilton, Ont., and Chicago, U. S. A.

Greengrove Shorthorns Number 35 head of choice Scotch families. For sale: Several young bulls, by Wanderer's Last, Imp. Fitz Stephen and Freebooter. Females of all ages. **W. G. MILLSON, Goring P. O., Markdale Station.**

SHORTHORNS

Some extra good young bulls for sale. Catalogue.

JOHN CLANON, Manager.

H. CARGILL & SON, OARGILL, ONTARIO.

SHORTHORNS FOR SALE.

Four bulls, that challenge comparison, sired by the champion of champions, Spioy Marquis (Imp.). This is a rare chance. Brave Ythan at head of herd. **JAMES GIBB, Brookside, Ont.**

SHORTHORN CATTLE and Oxford Down sheep. Imp. Prince Homer at head of herd. Present offering: Young bulls and heifers from imported and home-bred cows; also a choice lot of young rams and ewes from imported sire. **JAMES TOLTON & SON, Walkerton, Ont. Farm 3 1/2 miles west of Walkerton Station.**

T. DOUGLAS & SONS,

STRATHROY STATION & P. O., BREEDERS OF Shorthorns and Clydesdales

85 Shorthorns to select from. Present offering: 14 young bulls of splendid quality and serviceable age, and cows and heifers of all ages. Also one (Imp.) stallion and two brood mares. **Farm 1 mile north of town.**

MANITOULIN SHORTHORNS

Edwin Beck, Gore Bay, Manitoulin Island. Breeder of SCOTCH and SCOTCH-TOPPED SHORTHORN CATTLE. A few choice animals.

8 SHORTHORN BULLS FOR SALE

8 good ones, Scotch breeding. 9 to 20 months. Also females any age. Lowest prices. **DAVID MILNE & SON, ETHEL, ONT.**

HIGH-CLASS SHORTHORNS.

8 heifers, in calf to an imported Scotch bull; 6 bulls ready for service; about 15 heifer and bull calves, from 3 to 12 months old. Prices very reasonable; considering quality. Inspection invited. **FRANK W. SMITH, Walnut Farm, Scotland, Ont.**

IMPORTED SHORTHORNS AND CLYDESDALES

15 imported Scotch Shorthorn heifers, all in calf or calves at foot; 2 imp. bulls; both in pedigree and individually these animals are gilt-edged. Four three-year-old imported Clydesdale fillies, very large and A1 quality.

ALEX. ISAAC, Cobourg P. O. and Station

I GUARANTEE A \$500 PACKAGE OF BARREN KOW CURE

postpaid, to make any cow under 10 years old breed, or refund money. No trouble, no risk. Given in fact twice a day. **L. F. SELLER, Druggist, Morrisburg, Ont.**

SHORTHORNS

For sale: Choice young bulls and heifers, imported and from imported stock; also Yorkshires, all ages. Write **O. & J. CARRUTHERS, Cobourg, Ont.**

W. G. PETTIT & SONS

FREEMAN, ONT., Importers and Breeders of

Scotch Shorthorns

110 head in the herd, 40 imported and 20 pure Scotch breeding cows. Present offering: 3 imported and 6 pure Scotch from imported sires; also 6 Scotch-topped from imported sires; also imported and home-bred cows and heifers of the most popular type and breeding. A few choice show animals will be offered. **Burlington Jct. Sta. Telegraph & Telephone**

RELIABLE MEN WANTED

In every locality to introduce our goods and represent us in their district. Salary or commission, \$50 per month and expenses. Steady employment to good men. No experience needed. Write for particulars. **THE EMPIRE MEDICINE CO., London, Ont.**

DOMINION SHORTHORN HERDBOOK WANTED.

The Dominion Shorthorn Breeders' Ass'n will pay \$1 each for any of the following volumes of their herdbooks: Volumes 7, 8, 9, 10, 11, 12, 13, 14, 15; also 1st vol. Clydesdale Studbook, and 1st vol. Dom. Ayrshire Herdbook. Send by express if possible, unpaid (if by post, postage will be returned with price). **HENRY WADE, Sec'y, TORONTO, ONT.**

5 SHORTHORN BULLS

1 red imported bull, coming 3 years; 2 bulls imported in dam, one red and one roan, coming 1 year; 1 red from imported sire and dam; 1 red, sixteen months, from Scotch dam and sire; also heifers of all ages for sale.

ALEX. BURNS, ROCKWOOD P. O.

ONLY THE BEST.

Eight young bulls and 10 heifers of the purest Scotch breeding and of the low-set kind, as good as I have ever offered, for sale at prices that will induce you to buy. Most of the heifers are in calf to imported bulls that stand as high as any in the world in breeding and individual excellence. High-class Shropshires for sale as usual. **ROBERT MILLEK, Stouffville, Ont. Representative in America of Alfred Mansell & Co., Shrewsbury, Eng. The largest exporters of live stock in the world.**

SHORTHORNS.

8 young bulls, 11 heifer calves, yearlings, two-year-olds and young cows for sale. Several Miss Ramadens and the very best families represented. Prices moderate. **G. A. BRODIE, Bethesda, Ont. Stouffville Station.**

16 Shorthorn Bulls

All pure Scotch, two imp. in dam, 7 from imp. sire and dam, others by imp. sire and from Scotch dams of popular families. Herd numbers 72; headed by Imp. Greengill Victor, a Princess Royal; bred by W. S. Marr. Present offering also includes a number of Scotch heifers and imp. cows in calf. If you want a herd header, or cows that will produce them, write us.

R. MITCHELL & SONS,

Nelson Ont., Burlington Jct. Sta. Queenston Heights Shorthorns

Two Scotch bull calves, choice heifers, at reasonable prices.

HUDSON USHER, QUEENSTON, ONT.

Farm 3 miles north of Niagara Falls.

Shorthorns & Lincolns

A few choice bulls from 12 to 15 mths. Also females any age for sale. **J. K. HUX, RODNEY, ONTARIO. L. E. & D. R. R. and M. C. R.**

SHORTHORNS AND SHROPSHIRES.

FOR SALE: Young bulls and heifers from best blood. Shearlings and lambs bred from imp. stock on side of sire and dam. Prices reasonable. **E. E. PUGH, Claremont P. O. and C. P. R. Sta.**

JERSEYS

For sale: Sweepstakes bull at London, 1903, 20 months old, sired by Brampton Monarch (Imp.) and out of a deep-milking cow; also fifteen other imported and home-bred bulls, and cows and heifers, all ages. Can spare a carload. **B. H. BULL & SON, Brampton, Ont., C. P. R. & G. T. R. Sta.**

SPECIAL OFFERING IN JERSEYS

for the next 60 days: heavy-milking strains. Write for particulars to **W. W. EVERITT, Dunedin Park Farm, Chatham P. O. & Sta.**

4 HOLSTEIN BULLS

For Sale: From 4 to 7 months old, having sires in their pedigree from such strains as Inka, Netherland, Royal Aggie, and Trionis Prince, and out of imported females that have proven their worth at the stall. **THOS. B. CARLAW & SON, Warkworth.**

GOSSIP.

Heinrich Corried was standing in the back of the Metropolitan Opera House a few nights ago during the performance of a German opera. As he leaned on the rail behind the back row of seats he heard the whispers of two men sitting almost in reach of his hand.

One of them was apparently a native American; the other talked with a decided German dialect.

"The acoustics of this house," whispered the American, "are very bad."

The German was heard to sniff audibly once or twice.

"Vot makes you say dot?" he asked of his American companion. "I don't smell anything."

HOLSTEIN GRADES IN THE DAIRY.

By George A. Martin.

A poor man cannot afford to keep a poor cow. Nothing will more surely keep a man poor than to keep a herd of cows which produce only enough at most to pay the bare cost of keeping. The aggregate yield from five cows, at an average of 3,000 lbs. each, is only as much as that of two cows at 7,500 lbs. each, while the cost of keeping the additional three cows uses up all the profit. To start right, a farmer had better buy one good, well-bred Holstein-Friesian cow, than invest the same money in a lot of inferior mongrels. In the first place he can, by breeding his cow to a pure-bred bull and raising all the heifer calves, in time possess a herd of choice pure-bred cows; but with a herd of scrubs, bred to scrub bulls, he will keep his nose on the grindstone to the end of the chapter, as too many dairy farmers are doing all over the country.

But many if not most of our dairy farmers have in their herds of "natives," some individuals of more than average merit. By breeding these to good, pure-bred Holstein-Friesian bulls and continuing to breed up the heifer calves in the same way, a herd of high-grades may be established. If not as good as pure-bred cows, they will be far better than a miscellaneous lot of mongrels. Aside from a moderate service fee to begin with, it costs no more to raise a grade calf than a scrub. A valuable object lesson on this subject is given in Bulletin 169 of the Cornell Experiment Station. It contains, in tabulated form, the history of the milk secretion of the University herd of about twenty cows, largely composed of Holstein grades. It is remarked in the beginning that "in building up the herd the aim has been to form one that would furnish an object lesson to those farmers who desire to improve their herds, but do not feel able to purchase pure-bred stock entirely." Accordingly the herd has been developed from the ordinary stock of the neighborhood by the use of pure-bred bulls, and a rigid selection of the best heifers. At the start, the average yield of milk per cow was a little more than 3,000 lbs. The descendants of these same cows are now producing over 7,500 lbs. of milk per cow. This increase of two and a half times is the result of judicious selection of sire and dam, together with careful feeding, and is a result which every farmer can obtain by following a similar course.

In fact, taking the Holsteins alone, the average yield was over 9,000 lbs. of milk per year. The greatest production for one lactation was by Ruby, three-fourths Holstein, who gave in 64 weeks 16,089 lbs. of milk, containing 531.32 lbs. of fat, equivalent to 625 lbs. of butter containing 85 per cent. fat. The lesson is a most impressive one for every farmer who keeps cows. By the use of pure-bred bulls, the selection of the best heifers and careful feeding, a herd was in a few years graded up from an average yield, which scarcely paid the cost of keeping, to a highly-profitable average. The result is one "which every farmer can obtain by following a similar course." If there is no available Holstein bull in the neighborhood, and the farmer does not feel able to buy one, he can almost anywhere find neighbors who can be persuaded to join him in club for that purpose. A few of the poorest cows in each herd, if fed up and sold to the butcher, would bring enough to buy a good bull, and the herds would be the better for the sifting.

THE MOST NUTRITIOUS. EPPS'S COCOA

An admirable food, with all its natural qualities intact, fitted to build up and maintain robust health, and to resist winter's extreme cold. Sold in 1 lb. tins, labelled JAMES EPPS & Co., Ltd., Homeopathic Chemists, London, England.

EPPS'S COCOA GIVING STRENGTH & VIGOUR.

Dehorned Cattle rest easy and show better milk and beef results. The job is quickly done with the **KEYSTONE DEHORNER**. Cuts four sides at once. Leaves it smooth and clean cut, no breaking or crushing of horn. More widely used than all others. Full guarantee. **R. A. MCKENNA, V. S. PICTON, Ont.**

HOLSTEINS AND TAMWORTHS

Present offerings: Sows, bred and ready to breed; boars fit for service, and a fine lot of young pigs of both sexes. Also 1 bull calf, 4 mos. old. Write or call and see the stock. Enquiries promptly answered. **BERTRAM HOSKIN, Grafton Sta., G. T. R. The Gully P. O.**

Riverside Holsteins

80 head to select from. Young bulls whose dams have official weekly records of from 17 to 21 lbs. of butter, sired by Victor De Kol Pietertje and Johanna Rue 4th Lad. Write for prices. **Matt Richardson & Son, Caledonia P. O. and Station.**

Brookbank Holsteins

16 to 25 lbs. of butter in 7 days' official test are the records of this herd of Holstein cows. Heifers of equivalent records. Bulls for sale whose sires and dams are in the Advanced Registry, with large official butter records.

GEO. RICE, Currie's Crossing, Ontario. OXFORD COUNTY.

HOLSTEIN BULLS

MAPLE GROVE offers a few very choice bulls, at right prices to quick buyers. For particulars, address **H. BOLLEET, Cassel, Ont. o**

Lyndale Holsteins

Won gold medal on herd at Ottawa, 1902 and 1903, and sweepstakes for females at Toronto and Ottawa, 1903. Present offering: Five young bulls from 7 months to 16 months old; 6 heifers from 2 to 3 years old, bred to Bery. **Wayne Paul Concorida.**

BROWN BROS., Lyn, Ont.

HOLSTEIN BULLS FOR SALE.

Pauline, De Kol and Jesse families in my herd. The record of 13 cows at the cheese factory for 8 mos. was 120,845 lbs. milk, average per cow of 9295 lbs. **J. A. CASKEY, Madoc, Hastings Co.**

Ridgedale Farm Holsteins

Bull and heifer calves, bred from rich milking strains, on hand for sale. Prices right. Write for what you want. **E. W. WALKER, Utica P. O., Ontario. Shipping stations: Port Perry, G. T. R., and Myrtle, C. P. R. Ontario County.**

Pure-bred Ayrshire

bull calves for sale at \$11.00 each when taken away one week old. Certificates furnished at the above price. **J. A. JAMES, Nilestown, Ont.**

Ayrshires for Sale

I have a choice lot of spring calves, of both sexes, sired by Minko. **F. W. TAYLOR, Wellman's Cor. P. O., Hoard's Sta., Ont.**

AYRSHIRES

for sale, all ages. Some extra fine bulls, coming one year old, and heifers of all ages. Also my stock bull, Sir Donald of Elm Shade, just 3 years old. **DONALD CUMMING, Lancaster, Ont.**

Menie Stock Farm

Choice young AYRSHIRE bulls and heifer calves, from 2 to 9 months old. Also cows and heifers all ages. Write **WM. STEWART & SON, Menie, Ont.**

AYRSHIRE BULLS

We combine beauty with utility. My herd has won over seven hundred 1sts, 2nds and sweepstakes, several diplomas, three bronze medals, in 3 years. For sale: Seven young bulls from 6 months to 1 year old, sired by Royal Star of St. Annes (7916), winner of 1st at Toronto, 1st and sweepstake at London, at 2 years old, and from dams with milk records from 51 to 59 lbs. per day. Price from \$35 to \$50 each. A few deep-milking cows from \$65 to \$80 each. Also B. P. Rocks, Games, \$1.50 to \$2.00 each. Write: **WILLIAM THORN, Trout Run Stock Farm, Lynedoch, Norfolk Co., Ont.**

In answering any advertisement on this page, kindly mention the FARMER'S ADVOCATE.