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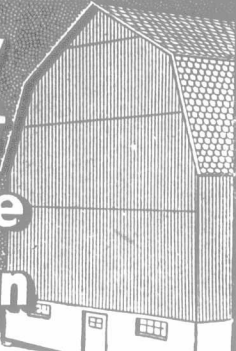
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Every Sheet is true and even



"Empire" corrugated Iron

"EMPIRE" Corrugated Iron is made with deep corrugations fitting closely and snugly; it makes a splendid, strong, rigid wall that withstands all storms. Remember—building with Metal gives you fire-proof, weather-proof and lightning-proof buildings.

Our "Metallic" building materials—the "Quality First" kind—may cost a little more than other building materials, but they're permanent. "Eastlake" Galvanized Shingles; "Metallic" Ceilings; "Metallic" Rock and Brick-face and Clapboard Siding; Roof-lights and Ventilators, Silo Tops, etc., save you money.

Write for interesting booklet giving complete information, prices, etc.

Metallic Roofing Co. Limited
Toronto - Winnipeg

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TRAPPERS!
Send your
RAW FURS
to JOHN HALLAM

and receive highest cash prices. We send money the same day the furs are received. Charge no commissions—and pay all charges. We have paid out millions of dollars to thousands of trappers in Canada, who send their furs to us because they know they get a square deal, and receive more money for their furs. You will also. We buy more furs from trappers for cash than any other five firms in Canada. Hallam's Trapper Guide (56 pages) Hallam's Sportsmen's Catalogue Hallam's Fur and Fur Quotations Hallam's Fur Style Book (59 pages) Sent free on request. Address as follows: **JOHN HALLAM Limited**
117 Hallam Building, Toronto

Ontario Provincial Sale of Shorthorn Cattle

An Auction Sale of Shorthorn cattle (male and female) under the auspices of the ONTARIO DEPARTMENT OF AGRICULTURE and the management of the GUELPH FAT STOCK CLUB, will be held in the

WINTER FAIR BUILDINGS, GUELPH
on
Wednesday, March 7th, 1917

commencing at one o'clock p.m., at which will be offered about fifty (50) head, carefully selected, good individuals, many of them fashionably bred animals.

For catalogues and further particulars apply to:—
C. L. NELLES, President **J. M. DUFF, Secretary,**
Guelph, Ont.

GLENFOYLE SHORTHORNS

Seven bulls, big, straight, smooth, fleshy fellows, some from cows milking 40 to 60 lbs. a day. Also a few outstanding heifers that are bred. Three young cows. Prices right. Bell phone.

Stewart M. Graham, Lindsay, Ont.

Mardella Shorthorns

Bulls, cows, heifers. Have size, quality, breeding dual-purpose cattle over 40 years. Have great milkers and beefers. Glad to have you see them, or write—**Thomas Graham, Port Perry, R. R. No. 3**

"Maple Leaf Farm"

Shorthorns, Shropshires; both sexes. Mail orders satisfactorily filled.
J. BAKER, R. R. 1, Hampton, Ont.

Questions and Answers.
Miscellaneous.

Plowing Match.

What were the dates of the last Dominion Plowing Match? **W. E. C.**
Ans.—November 1, 2 and 3, 1916. The dates for the 1917 plowing match are not set yet.

Fertile Eggs.

How long after turning the male bird with a flock of hens would it be before one would be sure of fertile eggs? **J. L.**

Ans.—The eggs are generally considered to be fertile from ten to twelve days after the male bird is placed in the flock, although some poultrymen recommend that the pens be mated three weeks before eggs are saved for hatching, in order to ensure a high percentage of fertility.

Milk Scale.

I desire to purchase a convenient and cheap scale for weighing milk in the stable. I understand the spring balance scale with a hook on each end is principally used for this purpose. However, the hardware men in our town do not keep them. I would like to know the name of firms which manufacture these scales.

F. P. J.

Ans.—There are several kinds of scales on the market. The straight spring balance is not so expensive and possibly not quite so convenient as the circular-dial spring balance, which weighs to one-tenth of a pound and can be secured in thirty- or sixty-pound sizes. Write **C. Richardson & Co., St. Mary's**, manufacturers of dairy supplies for a catalogue.

Buckwheat Per Acre.

1. How much buckwheat should be sown to the acre? What time should it be sown? Does it do well on clay-loam soil?
2. Can a man who has a diploma from a Veterinary Correspondence School practice in Canada or the United States and charge a fee? **B. G. P.**

Ans.—1. About three-quarters of a bushel per acre. It is usually sown the latter part of June, and does well on a clay-loam soil, although it is especially well adapted to rather poor light soils.
2. They are not recognized in any way by the profession or authorities of this country or the United States or any other country. There is no Federal legislation governing veterinary practice in Canada but the provinces are empowered to pass suitable legislation for enforcement within their own boundaries. The Ontario Act makes it illegal for a man to use the name veterinary surgeon or abbreviation thereof, but does not prevent a man practising so long as he does not advertise that he is a veterinary surgeon.

Foundation Under a Barn.

How much lime will be required to build a foundation under a barn 60 by 25 feet with wall 9 feet high and 18 inches thick? Deductions should be made for 9 windows 3 feet by 18 inches and 3 doors 3 by 8 feet.

2. How long will it take two men to raise the barn and build the wall if they work 10 hours a day?
3. What is the price of lime at the present time? **J. C.**

Ans.—The amount of lime will depend a good deal on the kind of stone used and on the masons. A wall built of round stone will require much more mortar than one built with flat stone. Then, some masons use small stones to fill in between large stones, while others fill in entirely with mortar. The general rule is 1 barrel of lime and 15 cubic feet of sand to make sufficient mortar to build 3½ cubic yards of wall. The wall in question will require about 24 barrels of lime.

2. Owing to various circumstances which enter in it is impossible to give set time. It depends a good deal on the men. In raising the barn a number of men could do the work to better advantage than two men, as the whole structure must be kept practically level. A number of jacks will be required, and to work economically it requires a man or two at each jack.

3. The price is seldom the same in any two towns. It depends somewhat on distance from lime kiln.

"He's had GARDINER'S CALF MEAL ever since he was weaned"

"I've never seen anything like it to take the place of new milk and keep calves going right ahead. I feed it first with separated milk, then with milk-and-water, and finally with water only as the calves grow older. I find it pays for itself several times over in better condition and faster growth." Gardiner's Calf Meal is guaranteed to contain 19% to 20% Protein and 8½% to 9% Fat. This exceptional food value and its easy digestibility, explains its success with young colts, lambs and pigs as well as with calves. Buy it in 25, 50 or 100 lb. Bags. If your dealer hasn't it, write us for prices, or it and also on Gardiner's Sac-a-fat, Pig Meal, Ovatum and Ontario Feeders' Cotton Seed Meal.

GARDINER BROS., Feed Specialists, SARNIA, Ont.



MEADOW LAWN SHORTHORNS

We are offering a splendid lot of young bulls from 10 to 18 months old, of the low-set, thick, fleshy type, from good milking dams. You are invited to inspect this offering.
Elora, R. R. No. 1.

F. W. EWING

DISPERSION SALE

45 head Registered Holsteins
1 MALE, 44 FEMALES

As I am retiring from the dairy business I am offering my entire herd, without reserve, by public auction on

February 21st, 1917

at 1 o'clock, at Merton Lodge Stock Farm, Putnam Station

on the Woodstock and St. Thomas branch of the C.P.R. All trains will be met at Putnam. The farm is 7 miles from Ingersoll. One of the oldest established herds in Canada. Our herd consists of daughters and grand daughters of such noted bulls as Pontiac Hermes, King Segis Pontiac Duplicate, Sir Korndyke Boon, Hengerveld De Kol, and Pontiac Korndyke. We have had the honor of selling from our stable an untested heifer that since has broken the World's record, and cows that have made records up to 30 lbs.

Write for catalogues. Sale under cover.

W. W. GEORGE, Prop., R.R. No. 2, Mossley, Ont.

GLENWOOD STOCK FARM

ENTIRE HERD, OF

40 Registered Holsteins

The property of I. N. Howe, Lot 1, Con. 3, N. Dorchester, WILL BE SOLD BY PUBLIC AUCTION

Thursday, March 1st, 1917

30 CHOICE COWS

A number have good official records, and all are descended from officially tested sires and dams.

10 WELL-BRED HEIFERS

Mostly two-year-olds, all raised on the farm, and sired by imported Sir Houwtje Pledge, Butter Boy, grandson of DeKol 2nd, Butter Boy 3rd, with 118 tested daughters and 94 proven sons, and Ourvilla Sir Hilbon Colantha (whose five nearest dams average 28.17 lbs.) son of Dutchland Colantha Sir Abbecker, who has more tested daughters than any other bull in Canada.

At the same time there will be sold 5 pure-bred Poland China Brood Sows and a number of young boars of serviceable age and young sows already bred.

TERMS: CASH, or 6 months on bankable paper, with interest at 6%.

Catalogues ready February 10th.

C.P.R. trains will be met at Putnam and G.T.R. trains at Ingersoll on day of sale.

I. N. Howe, Prop., R.R. 2, Mossley, Ont.

AUCTIONEERS:—MOORE & WINTERS

Dumfries Farm Holsteins

175 head to choose from. We have on hand at present about 20 young bulls. Visitors always welcome.

S. G. & ERLE KITCHEN, St. George, 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 three-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.
COLLIVER V. ROBBINS, BELL PHONE, WELLANDPORT, ONTARIO