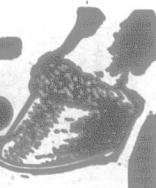


## Ring-Bone



There is no case so old or bad that we will not guarantee

**Fleming's Spavin and Ringbone Paste**

to remove the lameness and make the horse go sound. Money refunded if it ever fails. Easy to use and one to three 45-minute applications cure. Works just as well on Sidebone and Bone Spavin. Before ordering or buying any kind of a remedy for any kind of a blemish, write for a free copy of

**Fleming's Vest Pocket Veterinary Adviser**

Ninety-six pages of veterinary information, with special attention to the treatment of blemishes. Durable, bound, indexed and illustrated. Make a right beginning by sending for this book.

**FLEMING BROS., Chemists**  
75 Church St. Toronto, Ont.

## AUCTION SALE

### HORSES - CATTLE HOGS

J. K. MOORE, 5 miles North of Peterboro

**FEBRUARY 20, 1918**

At 1 p.m.

6 HEAD YOUNG HORSES  
35 HEAD HOLSTEINS—Nearly all Young  
6 BROOD SOWS IN PIG  
FARM MACHINERY

—At usual terms of credit.

## Great Sale of World-Famed Clydesdales

The Montgomerys, of Netherhall, Kirkcudbright, Scotland, having dissolved partnership, William Montgomery, the senior partner, who is retiring from business, will sell at

**Lanark, Scotland, March 5**

all the stallions, three years old and upwards, falling to his share after equal division. Purchasers of horses hired for current season must fulfill these engagements. Get catalogue from Laurie & Symington, Auctioneers, Lanark, Scotland.

Mutual Life companies have no rivals in respect of security and among the best of mutual companies is the

**Mutual Life of Canada**

**5% INSTEAD OF 3%**

Your money can earn 5% just as easily as 3% if you invest it in the debentures of the Standard Reliance Mtg. Corp'n.

Our booklet, entitled Profits from Savings, tells you all about it.

Write now for a copy. It's free.

**STANDARD RELIANCE MTG. CORP'N.**  
82-88 King St. E., Toronto, Ont.

## Baled Shavings FOR SALE

We have a limited quantity of baled shavings to offer at 15c. per bale, f.o.b. our yard. Place your order while they are going at this price. All orders promptly cared for.

**THE NICHOLSON LUMBER CO., LIMITED**  
Burlington Ontario.

**MESSRS. A. J. HICKMAN & CO., (late Hickman & Scruby), Court Lodge, Egerton Kent, England, Exporters of**

### PEDIGREE LIVE STOCK

of all descriptions. Specialty made of draft horses, beef and dairy breeds of cattle, show and field sheep. Illustrated catalogues and testimonials on application. All enquiries answered with pleasure. Now is the time to import. Prospects were never better, and insurance against all war risks can be covered by payment of an extra 1% only.

**MORE HORSEPOWER**

if your teams are equipped with



These pads prevent Sore Shoulders and cure Gall Sores. Your dealer will supply you, or write:

**BURLINGTON BLANKET CO., LIMITED**  
793 King Street, West, Toronto, Canada.

Dr. Bell's Veterinary Medical Wonder. 10,000 \$1.00 bottles FREE to horsemen who give the Wonder a trial. Guaranteed for Colic, Inflammation of Lungs, Bowels, Kidneys, Fevers and Distempers, etc. Send 25c. for mailing, packing, etc. Agents wanted. Write address plainly.

**Dr. Bell, V. S., Kingston, Ont.**

## Questions and Answers. Miscellaneous.

### Feed for Calves—Size of Pulley

I wish to make a dry meal ration consisting of flaxseed meal, cornmeal and bran for feeding calves that are getting skim-milk twice daily. In what proportions should these feeds be mixed to give best results?

2. I have a 5 H. P. gasoline engine which I used on a 10-inch silo filler last fall for filling my 12 x 30 feet silo. It did not seem to speed the cutting box fast enough to give very good satisfaction. Engine has a speed of 435 R. P. M. and a 16-inch pulley, pulley on the cutting box is 10 inches. I use an 18-ft. belt, six inches wide. Could I not get better results by using a smaller pulley on the cutting box, or should I use a larger pulley on the engine? What size should I use? R. N.

Ans.—1. Two parts cornmeal, two parts bran and one part flaxseed meal would be satisfactory proportions. Ground oats could be used in place of bran or to displace part of the bran in the ration.

2. With the size pulley used and speed of engine the cutting box would be run at near 700 revolutions. If the pulley on the cutting box were reduced to six inches in diameter it would give a speed of around 1,000 revolutions. We would favor a reduction in size of pulley on the cutting box to increasing the size of pulley on the engine.

### Installing Bath-Room Fixtures.

I am thinking of installing a bath and fixtures in my house. Owing to the difficulty in securing a plumber, I thought I might do a good deal of the work myself. I would like some information regarding a septic tank, pipe connections, size of pipe for hot and cold water, and a hot water tank. Also the size of connections for basin, bath, etc. W. J. P.

Ans.—If a person has the proper tools and is more or less of a mechanic there is no reason why he could not make a very neat job of installing bath-room fixtures. The material could be purchased and the piping, etc., cut in the required lengths at the house. There are different methods of building a septic tank. Some use a single-compartment tank while others have two compartments. A 4-inch concrete wall, banked on the outside, would be strong enough and a concrete bottom and roof could be put in. For the average sized family a tank 4 by 4 feet and 4 or 5 feet deep is large enough for the first compartment. The affluent flows from this tank into one which should be the same height and width, but only about 2½ feet long. A valve is placed in this compartment which allows the water to escape through a tile drain when it reaches a certain height. This prevents a continual small stream of water from running into the tile and tends to offset the difficulty of roots of whatever crop is grown penetrating the tile. It is advisable to use sewer tile and cement the joints for 25 or 30 feet out from the house, and farther than this from a well. Ordinary clay tile will prove quite satisfactory from there on and should be laid pretty much on the level, as the affluent is supposed to seep from the joints into the soil. By the action of bacteria the waste is practically destroyed in the large compartment of the tank. Septic tanks of the kind outlined have been in use for a number of years giving good satisfaction. Some are using a tank of one compartment and the material is siphoned off without a valve being used. A 4-inch pipe should be extended to nearly the bottom of the tank, pass out through the wall near the top and there connect with the tile. Lead pipes are frequently used leading from the bath-tub and sink. There should be a trap in each. These and a 3 or 4-inch pipe from the commode connect with the 4-inch main leading to the septic tank. By having the main extend up through the roof, ventilation which is necessary is provided. Half to three-quarter-inch piping would be large enough for supplying hot and cold water to the bath and basin. A 25 or 30-gallon galvanized tank can be connected with stove or furnace by zinc piping. We believe it would be advisable for you to have a look through some house where these things are installed, as it will give you a better idea of how the work is done.

## REGISTERED, PRIZE-WINNING

# CLYDESDALES

## AT AUCTION

**Wednesday, February 20th, 1918**

I have sold my farm and will offer my prize-winning Registered Clydesdale Horses, Mares, etc., to the highest bidder at auction.

For Full Particulars, Catalogue, etc., Write to

Neil McElheron, Grenville Farm, Chatsworth, Ont. (Grey Co.)

## Imported and Canadian Bred Clydesdales

### COLUMBUS STABLES

We have on hand at present one of the strongest selections of imported and Canadian bred stallions we have had in the stables in years. A strong combination of size, quality and breeding. We also have 15 in-foal mares, all to the service of horses we are offering.

Smith & Richardson, Myrtle, C.P.R., Oshawa, G.N.R.; Oshawa, G.T.R., Columbus, Ont.

## Sundrum Clydesdales

Several choice imported and Canadian-bred mares, safe in foal. Also several prize-winning fillies and stallions, and a few show geldings, 2 and 3 years of age.

W. A. McNIVEN,

R. R. No. 4, HAMILTON, ONTARIO

## Aberdeen-Angus

We have a splendid selection of last spring's bull calves to offer, sired by our noted herd bulls and from our choice home-bred and imported cows. Inspection invited. Berkshire Boars and Sows.

LARKIN FARMS (MENTION FARMER'S ADVOCATE) QUEENSTON, ONTARIO

## BROOKDALE FARM HEREFORDS

Herd headed by Bonnie Ingleside 7th, the Canadian-bred champion bull at Toronto, 1914-1915. We are offering several young bulls that were Toronto and Ottawa winners this year, all sired by the herd bull, as well as a few females in calf to him. Come and see our herd or write us for anything in Herefords.

W. READHEAD

BROOKDALE FARM

MILTON, ONT.

### BURNFOOT STOCK FARM

A rare opportunity to secure a great dual-purpose Shorthorn bull, whose dam, Bonnie Jean, gave 8,175 lbs. milk, testing 4.18, in 227 days, and brother, on dam's side, to Jean Lassie, who has a two-yr.-old R.O.P. of 8,939 lbs. milk, testing 4.14, and who, at present in test, is giving up to 65 lbs. per day. Sired by our herd-header, Burnfoot Chieftain, whose dam has an R.O.P. of 13,535 lbs. milk, testing 3.99. He is 7 months old, and a smooth, thick fellow.

S. A. MOORE, CALEDONIA, ONTARIO

## THE MANOR STOCK FARM---SHORTHORNS

Present Offering—A choice young red bull, fit for service in any herd. Write or come and see.

JOHN T. GIBSON,

DENFIELD, ONTARIO

## NICHOLSON'S SHORTHORNS

Herd headed by "Best Boy" =85582=, and "Browndale Winner" =106217=. Bulls and females for sale. Visitors always welcome to this herd of long-established reputation.

R. & S. NICHOLSON,

PARKHILL, R. NO. 2, ONTARIO.

## THE HAWTHORNE SHORTHORNS

5 young bulls, and several females bred to the herd sire, Royal Choice "79864," a Toronto winner. Both milk and beef strains. A few Leicester rams and Yorkshire sows. Everything priced to sell.

"THE HAWTHORNES"—ALLAN B. MANN,

R. R. 4, PETERBORO, ONT. G.T.R., C.P.R.

## HIGH-CLASS SHORTHORN BULLS

We have a number of choice young bulls on hand, ready for service. Some are straight Scotch and others are bred for milk production. Also offering the four-year-old Duchess-bred bull, Duchess Hurd.

GEO. MORDEN & SON, OAKVILLE, ONTARIO

## FLETCHER'S SHORTHORNS

Our herd of Scotch Shorthorns represents Orange Blossoms, Kiblean beauties, Matchless, Mysies, Missies, Clementina's, etc., and is headed by the Watt-Stamford bull, Victor Stamford =95950=, a Toronto winner. Present offering, two young bulls (show animals) also several heifers and cows.

GEO. D. FLETCHER, ERIN, R. R. 1, ONT.

Erin Station, C.P.R., L.-D. Phone

## GERRIE BROS' SHORTHORNS

Herd headed by Gainford Matchless, one of the very best sons of the great Gainford Marquis. Our breeding cows are Missies, English Ladies, Duchess of Glosters, etc. Present offering of young bulls are by our former herd sire, Master Missie, Junior Champion at Brandon last summer.

GERRIE BROS.

ELORA, ONT.

## SPRING VALLEY SHORTHORNS

Herd of seventy head, straight Scotch, good individuals. Headed by the great show and breeding bull, Sea Gem's Pride 96365, and Nonpareil Ramsden 83422. We have for sale four as good young bulls as we ever had, and a few females.

KYLE BROS., Drumbo, Ont. (Phone and telegraph via Ayr.)

## MAPLEHURST SHORTHORN BULLS

We are offering two young bulls, one, ten months old, and the other one year old; both out of big, thick, roan cows, tracing to Lavinia (imp.). One sired by the Jilt bull, Jilt's Victor =93844=, and the other by Plumside Victor =100462=, a grandson of Baron's Pride =72491=. Write:

PETER L. GRAHAM,

R. R. No. 2, ILBERTON, ONTARIO.

## WELLAND DISTRICT SHORTHORN BREEDERS' CLUB

New sales list out: cows, heifers bred, young bulls, also stock bull Morriston Pride =102330=.

Chas. Gainer, Secretary, Box 607, Welland, Ontario. A. E. Howell, President, Fenwick, Ont.