

At least one-third lighter draft Genuine Kemp Manure Spreader

You can only buy one manure spreader with the Reversible, Self-Sharpening, Graded Flat-Tooth Cylinder—and that is the Genuine Kemp. Because of this Graded Flat-Tooth Cylinder the Genuine Kemp is at least one-third lighter draft than any other spreader.

There is less friction on the Flat-Tooth Cylinder, because the teeth are wide and graded. On that account only one-third as many teeth are required, which reduces the friction when the manure is passing through the cylinder.

The square or round teeth on ordinary cylinders are not wide enough apart and the manure backs up, chokes cylinder, causing heavy draft.

The manure cannot back up against the flat teeth, and because the flat teeth are graded they will handle and thoroughly pulverize all kinds of manure from the clear gum to the strawy material.

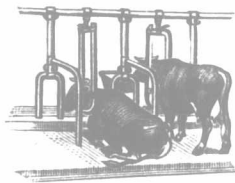
There are many other exclusive improvements on the Genuine Kemp. Our big catalog describes and illustrates them fully. Send for a copy and learn some new facts about manure spreaders.

There would be twenty times as many manure spreaders in use in Canada today if farmers realized the economy of spreading manure with the Genuine Kemp. The Genuine Kemp will pay for itself faster than any other farm machine.

But send to us for catalog F62 That's your first step. We are sole selling agents for Eastern Canada.

FROST & WOOD CO., LTD. SMITH'S FALLS, CANADA

O.K. Canadian U-Bar Patented Steel Stanchions



Are free and easy on the cattle, but strong and durable, being made of high carbon U-Bar Steel it is impossible to break or twist them out of shape. The swing bar will not sag and guaranteed not to be opened by the cattle.

Write for our prices and circulars on Sanitary Stall and Stanchions.

Canadian Potato Machinery Co., Ltd.
145 Stone Road, GALT, ONT.



Scotch-bred SHORTHORNS!

During the present month am offering four very choice young bulls, ready for service, of the best breeding and quality, at very reasonable prices. Also some good young cows and heifers, with calves at foot.

H. J. Davis, Woodstock, Ontario
Long-distance Bell 'phone.

OAKLAND SHORTHORNS

Our herd, numbering about 50 head, should be inspected by any intending purchasers. Many of the cows are excellent milkers and grand breeders. Many young heifers and a few bulls for sale. Scotch Grey = 7262 = at head of herd, is one of the best bulls in Ontario. Prices reasonable.

JOHN ELDER & SON, HENSALL, ONT.

Maple Lodge Stock Farm 1854-1911

A splendid lot of Leicesters on hand. Shearlings and lambs sired by imported Wooler, the champion ram at Toronto and London, 1910. Choice individuals and choice breeding.

A. W. SMITH, Maple Lodge, Ont.



Glenburn Stock Farm

A few Shorthorn heifers about a year old; good colors and individuals. Berkshire pigs of the Large English sort.

JOHN RACEY, Lennoxville, Quebec

"The Manor" Scotch Shorthorns

Present offering: 1 choice yearling bull, an "Undine," g. dam imp. Young cows in calf. Yearling heifers; Clippers, Minas, Wimples, Julias, etc. Inspector solicited. Prices moderate. Phone connection.

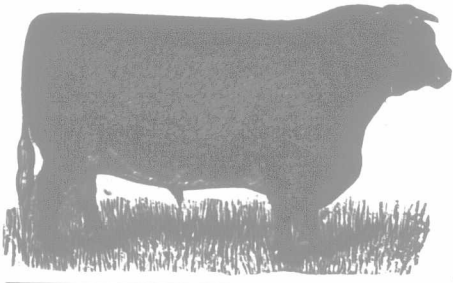
J. T. GIBSON, DENFIELD, ONTARIO

Shorthorns

Choice selections of bulls and heifers at all times for sale at very reasonable prices. Robert Nichol & Sons, Hagersville, Ont.

Fletcher's Shorthorns and Yorkshires
Stock for sale of either kind or sex.

GEO. D. FLETCHER, Binkham P.O.
Erin Station C. P. R.



ARTHUR J. HOWDEN & CO.,
ARE OFFERING

15 High-class Scotch Shorthorn Heifers

At moderate prices, including Cruickshank Non-pareils, Cruickshank Villages, Mary Emmas, Cruickshank Duchess of Glosters, Bridesmaids, Bruce Fames, Kinellars, Claret, Crimson Flowers, and other equally desirable Scotch families, together with a member of the grand old milking Atha tribe, which have also been famous in the showing.

Arthur J. Howden & Co., Columbus, Ont.



SHORTHORNS

Sold out of Bulls. Would be glad to have your inquiries for anything else.

CATALOGUE ON APPLICATION.

JOHN CLANCY, Manager. H. CARGILL & SON, Proprietors, Bruce Co., Cargill, Ont.

Shorthorns and Clydesdales

PRESENT SPECIAL OFFERING:

Seven choice young Scotch bulls, from 9 to 15 months; 25 cows and heifers of choicest breeding. This lot includes some strong show heifers for the yearling and two-year-old classes. A pair of imported Clyde fillies, two and three years old (bred).

W. G. PETTIT & SONS, Freeman, Ont.

Long-distance 'phone.

Burlington Jct. Sta., G. T. R., 1/2 mile from farm.

Robert Miller, Stouffville, Ont.,

Can supply young bulls and heifers of the very choicest breeding, and of a very high class, at prices that you can afford to pay. The young bulls are by one of the greatest sons of Whitehall Sultan. They are good colors, and will make show bulls. I also have two good imported bulls at moderate prices and of choice breeding, and some cows and heifers in calf to Superb Sultan; the calves should be worth all the cows will cost. Some beautiful young imported Welsh Ponies still to spare. It will pay you to write, stating what you want. Glad to answer inquiries or show my stock at any time. Business established 74 years.

Pleasant Valley Farm Shorthorns—Herd headed by Scottish Signet, and consisting of females of the leading Scotch families. Have for sale several good young bulls; also cows and heifers. Correspondence solicited. Inspection invited
GEO. AMOS & SONS, MOFFAT, ONTARIO
Farm 11 miles east of Guelph, C. P. R., half mile from station.

Scotch Shorthorns

best Scotch breeding; also one imported bull, an extra sire. Farm 1/4 mile from Burlington Jct. Sta.

FOR SALE: 14 blocky, low-down bull calves, from 6 to 11 months old, all from imported stock. 20 yearling and two-year-old heifers of Mitchell Bros., Burlington, Ont.

ELMHURST SCOTCH SHORTHORNS AND LARGE ENGLISH BERKSHIRES

H. M. VANDERLIP, Importer and Breeder, Cainsville, Ont. Langford Sta. Brantford & Hamilton Radial in sight of farm, Bell 'phone.

High-class Shorthorns

I have on hand young bulls and heifers of high-class show type, pure Scotch and Scotch-topped, sired by that sire of champions, Mildred's Royal. If you want a show bull or heifer, write me. GEO. GIER, GRAND VALLEY P. O. AND STATION, ALSO WALDEMAR STATION.

SPRING VALLEY SHORTHORNS

If you want a good Short-horn bull, we have them. Canadian-bred and imported. Females all ages. Also a few good YORKSHIRES—boars and sows. Prices right.

Phone connection. Kyle Bros., Ayr, Ont.

Brampton Jerseys

cows and some calves for sale. Production and quality.

B. H. BULL & SON, BRAMPTON, ONT.

High Grove Jerseys

No better blood in Canada. Present offering: Two choice young solid-colored bulls about 15 months old, out of heavy-producing dams.

ARTHUR H. TUFTS, P. O. Box III, Tweed, Ont.

When Writing Mention Advocate

DON JERSEYS!

Contains more of the blood of Golden Fern's Lad than any other Jersey herd in Canada. For sale are heifer calves from 4 to 9 months of age, and young bulls from calves to 1 year.

DAVID DUNCAN,
Duncan Station, C. N. R.

DON, ONT.
Phone connection.

QUESTIONS AND ANSWERS. Miscellaneous.

ROUP IN TURKEYS.

Turkeys start to run at the nose, and swell up under the eyes. The breath is very offensive, and the nostrils are closed with a thick, slimy substance, water appearing in the corners of the eyes.

H. E. F.

Ans.—The symptoms indicate a case of roup. Prevention is better than cure. Under ordinary conditions, the best treatment is to kill the affected birds. In all cases it is advisable to use Epsom salts in their drink, for the entire flock, as a means of prevention. If it is desired to treat the birds, immerse their heads in a five-per-cent. solution of potassium permanganate. Give potassium permanganate in the drinking water. Disinfect all poultry buildings and roosts, remove the diseased birds from the flock, and place the healthy birds on a new run which has not been frequented by the diseased birds. If only a few are affected, kill and burn. Avoid drafts and dampness.

PLANK FRAME BARN.

We have just lost our barn, stables, etc., by lightning, and have to build, and we want some information. Our soil is light sand and gravel. How deep should the foundation go? The usual way here is to dig the trench two or three feet deep, fill with broken stone to within six inches of the surface, and build the masonry or concrete foundation on that, and it seems to give satisfaction, but the book issued by a cement company says the concrete should go three or four feet into the ground. We intend to build the barn 36x70 feet, with 16-ft. posts, or studding, allowing 20 feet at one end for horse stable and granary, a 14-ft. floor, and the rest of the space for two rows of cows, the rows running lengthwise. How much plank will be required for the frame? How much space should be allowed for each cow? We will use iron tubing for partitions, and swinging stanchions. Do you know of anyone who draws up plans for plank frame barns, and, if so, what would be the probable charge for such plans?

C. W. B.

Ans.—Two and one-half to three feet should be deep enough for the foundation. It is necessary to go deep enough to avoid injury by frost, but if, as you state, this depth is giving good satisfaction, why go any deeper? The contractor whom you employ to build the barn will be able to tell you exactly how much lumber you will need. He should also be able to draw up the plans for the same. Cow stalls, if single, should be about three and one-half feet wide; if double, seven feet is a good width.

Veterinary.

LUMP ON HORSE'S LEG—SHOE BOIL.

I have a horse that got kicked three months ago on the front of the hind leg, between the two joints, and now has a big hard lump. What is the best way to take the lump away?

2. He also has a shoe boil which has been lanced once, but a large lump about two and a half inches deep and four inches long still remains. Give prescription for same.

Ans.—1. If the bone was injured by the kick, you will not likely be able to remove all of the enlargement. Get 6 drams each of biniodide of mercury and iodide of potassium and mix with 8 ounces of water. Apply every day for about four days, or till the parts get a little sore, then stop for a few days till the soreness ceases, applying a little oil in the meantime; then repeat, and keep at the treatment for several months, and you will at least reduce the size of the enlargement. The horse can do his ordinary work during the treatment.

2. A shoe boil is caused by the elbow coming in contact with the heels of the shoe when lying down. In order to effect a cure, the cause has to be removed, either by letting the animal go without shoes or by placing a pad on the heel each night to protect the elbow. The only sure treatment is to have the lump cut out, and then treat as an ordinary wound.

V.