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SHORTHORNS, COTSWOLDS, BERKSHIRES.

11 bull calves, 10 heifer calves, and 40 head cows and heifers. Ram and ewe lambs and breeding ewes. Young lambs, April and September litters.

Chas. E. Bonnycastle,
P. O. AND STA., CAMPBELLFORD, ONT.

OAKLAND SHORTHORNS We have another lot of young bulls ready for fall and winter trade, out of good breeding dual purpose dams and sired by our herd header, Scotch Grey, 72692, one of the best bulls in Ontario; good cattle and no big prices. Will also sell a few cows and heifers; about 50 to select from.
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Fletcher's Shorthorns and Yorkshires

Stock bull "Spectator" (imp.) = 50094 = for sale or exchange; also choice heifers. I also offer my (imp.) Yorkshire boar for sale or exchange.
GEO. D. FLETCHER, Erin station, C. P. R. Sinkham, Ont.

GEDARDALE SHORTHORNS—Shorthorns of all ages, pure Scotch and Scotch topped, imp. and Canadian-bred, choice heifers, choice young bulls, also the stock bull Lord Fyvie (Imp.); anything for sale.

Dr. T. S. Sproule, M. P., Markdale, Ontario
Shorthorns and Oxford Down Sheep
Trout Creek Wonder at head of herd. Young bulls and heifers of richest Scotch breeding. Phone connection.

Duncan Brown & Sons, Iona, Ontario.

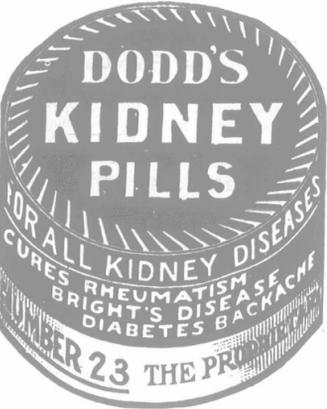
Clover Dell Shorthorns—Choice young animals of both sexes; milking strain, red and roan. Prices right. Write, or better come and see.

I. A. WAKELY, Bolton, Ont.
Bolton Sta., C. P. R., 1/2 mile from barns. Phone.

Spruce Lodge Shorthorns and Leicesters

Will price cheap young bull from 6 to 14 months; also 1 and 2-year-old heifers, same from imp. sires and dams. Leicesters at all times of both sexes for sale. Phone. W. A. Douglas, Tuscarora, Ont.

Thousands of years ago a leaf fell on the soft clay, and seemed to be lost. But last summer a geologist in his ramblings broke off a piece of rock with his hammer, and there lay the image of the leaf, with every line and every vein and all the delicate tracery preserved in the stone through those centuries. So the words we speak and the things we do to-day may seem to be lost, but in the great final revealing the smallest of them will appear.—James Russell Lowell.



QUESTIONS AND ANSWERS. Miscellaneous.

RATION FOR STEERS.

What would make a balanced ration of the following for a bunch of 1,100-lb. steers? Timothy hay slightly mixed with clover; any amount of roots; fairly good silage; oat chop; cotton-seed meal, and oil-cake meal. Would a ration of the above be equally as good for milk cows? If not, in what proportion should it be fed to milk cows? If anything else added, what is it, and how much of it? J. Z. I.

Ans.—A fairly good ration could be made from 8 to 10 lbs. of hay, 30 to 40 lbs. silage, 30 lbs. of roots, 6 lbs. oats, 1 1/2 lbs. oil cake, and 1 1/2 lbs. cotton-seed meal. For the steers, the ration could be improved from an economic standpoint by adding a little corn to the ration in place of some of the oats or a little of the cotton-seed or oil meal. For dairy cows of the same weight, the above ration would prove quite satisfactory. They might eat a little more roughage, and if large cows, should be fed accordingly.

COLT KNUCKLING.

Would you let me know what to do for a spring colt that is cock-jointed in both hind legs at the ankle? They seem to slip over every step he takes. He got fast in a fence about five weeks ago, with smooth wire. I think he must have sprained his pasterns some way. We have had a boot fastened on the one fetlock, but now the other ankle is like the one that has the boot on.

W. W. B.

Ans.—1. Colts that show this weakness before having done any hard work are very liable to get worse when put to work. It is sometimes caused by too much standing in the stable, but this case is no doubt due to some extent to the injury from being caught in the fence. Blister all around the fetlock joint once every month, with two drams each of biniodide of mercury and cantharides, mixed with two ounces of vaseline. Cut the hair off and rub the blister well in. Tie so that he cannot bite the parts. In twenty-four hours rub well again, and in twenty-four hours longer, wash off and apply sweet oil. Let his head loose now, and oil every day. Give him a large box stall, and extra exercise, except during the time he is tied up to blister.

BARNYARD DRAINAGE—SILOS.

1. How would you advise draining a barnyard? Pools of water stand around the barn after a rain or thaw, and cattle tramping in this make it very deep. I have thought of tiling it, but some say tile will not work in a barnyard where so much tramping is done. Would it be better to gravel it, or tile it, and then gravel it? About 35 rods from barn an outlet could be had. If tiling is best, what size tile should be used?

2. Am thinking of building a silo. Which would you advise, cement or stave? A great many say corn does not keep well in cement silos, and also that silage freezes to sides badly in winter. Can this freezing be prevented in any way? Kindly give your experience. How much gravel and cement would be required for a silo 13 feet by 40 feet? A. N. M.

Ans.—1. It is generally believed that it is a mistake to drain a barnyard. There is a danger of tile drains clogging. It is better to make the barnyard small, and have a slight basin or depression where the large pile of manure is to be, and keep the drainage confined to this pile, then the drainage will be held here, and more or less soaked up by the manure.

2. Cement stave silo is to be preferred to a stave silo. In taking out the silage, keep the edges slightly lower than the center. This will, to some extent, prevent freezing, but a little trouble may still be found from this cause. Provide 11 or 12 cords of gravel and about 48 barrels of cement.

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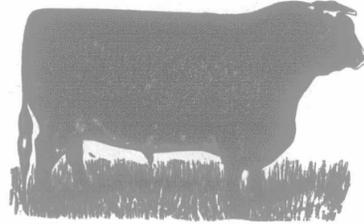


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15 High-class Scotch Shorthorn Heifers

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



SHORTHORNS

Have now a choice lot of young bulls to offer; also with something nice in heifers. Catalogue of herd and list of young animals on application.

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



Shorthorn Bulls and Clydesdale Mares

If you are in the market for a young bull, write us for particulars, or, better still, come and see them. We have 13 young bulls, from 8 to 14 months old, of good breeding and quality. We also have four imported Clydesdale mares, safe in foal.

W. G. PETTIT & SONS, Freeman, Ontario

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

THIS IS A GOOD TIME, AND I HAVE A GOOD PLACE, TO GET A HIGH-CLASS SCOTCH SHORTHORN BULL CALF by my great Whitehall Sultan sire, or a young cow in calf to him, to start a herd that will be gilt-edged. SHROPSHIRE RAMS AND EWES, too, at low prices. CHILDREN'S PONIES. A CLYDESDALE FILLY, such as I can send you, is one of the best things any man can buy. Just write me and say as nearly as possible what you want, and I will surprise you with prices on goods that are genuine.
ROBERT MILLER, STOUFFVILLE, ONTARIO

SALEM SHORTHORNS Headed by (Imp.) Gainford Marquis, undefeated junior championship honors at Toronto, 1911. Have on hand two yearlings and a number of bulls under a year for sale at reasonable prices.
J. A. WATT, Salem, Ont. Flora Sta., G. T. R. and C. P. R.

Scotch Shorthorn Females for Sale I am offering at very reasonable prices, females from one year to five years of age. The youngsters are by my grand old stock bull, Scottish Hero (imp.) = 55042 = (90065), and the older ones have calves at foot by him, or amongst them. A EDWARD MEYER, Box 378, GUELPH, ONT.

ELMHURST SHORTHORNS & BERKSHIRES I have now a particularly choice lot of young Berkshires; over 50 to select from; bred from imported stock. Strictly high class, from breeding age down. Also choice young Scotch Shorthorns. H. M. VANDERLIP, Cainsville P.O., Langford Sta., on Electric Road, between Hamilton and Brantford.

Pleasant Valley Farms Shorthorns—For Sale: 7 good young Scotch bulls high-class bulls; also cows and heifers. Correspondence solicited. Inspection invited.
Farm 11 miles east of Guelph on C. P. R., 1/2 mile from station.
GEO. AMOS & SONS, Moffat, Ont.

SPRING VALLEY SHORTHORNS Herd headed by the two imported bulls, Newton Ringleader, = 73783 =, and Scottish Pride, = 36106 =. The females are of the best Scotch families. Young stock of both sexes for sale at reasonable prices. Telephone connection.
KYLE BROS. - - - Avon, Ontario

Woodholme Shorthorns

I have for sale a number of choicely-bred Scotch Shorthorn heifers and several young bulls, all of high-class quality and sired by Imp. Dorothy's King = 5809 =, a Lady Dorothy. I am also offering this bull for sale.
G. M. FORSYTH, North Claremont P.O. & Sta High Grove Jerseys & Yorkshires
No better blood in Canada. Present offerings: Choice young sows due to farrow in March. Jerseys, all ages, both sexes.
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Shorthorns Choice selections of bulls and heifers at all times for sale at very reasonable prices. Robert Nichol & Sons, Hagersville, Ont.

Brampton Jerseys Bulls for service are getting scarce. Just a few left. Yearling heifers in calf are in great demand; 5 for sale; 6 now being bred. Brampton Stockwell the sire. A few good cows and some calves for sale. Production and quality.
B. B. BULL & SON, BRAMPTON ONT.