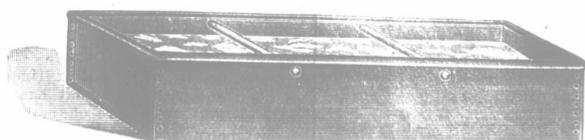


"TWEED" STEEL TROUGHS



Your ear, please—for 1906. The "Tweed" Steel Hog Trough made better, improved much, finished slicker, and the price reduced. "Quality up and price down." How is it? That magic word, "machinery," explains it. We have allowed no expense to hinder us making a perfect article at a low price. 50c. per ft.—we should have more—50c. or even more, and it goes. It's the price you wanted. Send order and money, and we do the rest. Every trough guaranteed.

THE STEEL TROUGH & MACHINE CO., Ltd., Tweed, Ont.

BERKSHIRES

Imported and Canadian-bred H. M. VANDERLIP, Gainsville, on T. H. & B. and B. & G. division of Grand Trunk. Telephone and telegraph, Gainsville.

HILLCREST HERD OF ENGLISH BERKSHIRES

For Sale: A lot of very choice young things of various ages. We prepay express charges and guarantee satisfaction. Enquiries promptly answered. JOHN LAHMER, Vine P.O., Ont.

Shropshire & Cotswold Sheep

SCOTCH SHORTHORNS and CLYDESDALES



Choice ram and ewe lambs. Also 50 shearing ewes for sale. Apply to

JOHN BRIGHT, Myrtle Station, Ontario.

SOUTHDOWNS

For Sale: 25 ewes in lamb to the imported rams, Babraham Hodge, Pattern and Glory.

ROBINER McEWEN, Myrtle Station, Ontario.

FAIRVIEW SHROPSHIRE

Nearly sold out. Now offer 4 good quality, medium size shearing ewes, 6 choice ewes, 3 to 6 yrs. old, Imp. and home-bred 15 real good ewe lambs; best of breeding.

JOHN CAMPBELL, Fairview Farm, Woodville, Ont.

BROAD LEA OXFORDS.

Present offerings are: Ram and ewe lambs of the low-down, blocky type. Also Yorkshire boar and sows five months old, of improved bacon type.

W. H. ARKELL, Teeswater, Ont.

DORSET HORN SHEEP and SCOTCH SHORTHORNS

The latter representing the Nonpareil, Miss Ramsden, Missie and Gloster families exclusively, and the former comprising more Royal winners and more St. Louis prizewinners than any other flock in the world. Stock for sale always on hand.

JOHN A. MCGILLIVRAY, North Toronto, Ontario.

100 Shropshires & Cotswolds 100

One hundred head for sale. Ten shearing rams, fifty ram lambs, and sixty shearing ewes. Rams are good enough to head any flock. The ewes are a choice lot and will be bred to imp. ram.

John Miller, - Brougham, Ont.

HIDES SHEEPSKINS, FURS

Consignments Solicited. Top Prices.

E. T. CARTER & CO., TORONTO

Oxford Down Sheep, Shorthorn Cattle, Yorkshire Hogs.

Present offering: Lambs of either sex. For particulars, write to John Cousins & Sons, 1000 Vista Farm, or Harriston, Ont.

SHROPSHIRE

Choice ram and ewe lambs for sale; also aged ewes

HINDMARSH, Ailsa Craig, Ont.

W.W. CHAPMAN,

Secretary of the National Sheep Breeders' Association.

Secretary of the Kent or Romney Marsh Sheep Breeders' Association.

and late Secretary of the Southdown Sheep Society.

Pedigree Live Stock Agent, Exporter and Shipper. All kinds of registered stock personally selected and exported on commission; quotations given, and all enquiries answered.

Address: MOWERAY HOUSE, Norfolk St. LONDON, W. C., ENGLAND.

Cables—Sheepcote, London.

Lincolns are Booming

We have only a few more ewe and ram lambs and breeding ewes for sale. We have seven choice young bulls, Scotch-topped, and a grand lot of heifers and young cows for sale at reasonable prices. Write or come and see us.

F. H. NEIL & SONS, LUCAN, ONT.

Telephone & B.B. station.

Sheep Breeders' Associations.

American Shropshire Registry Association, the largest live-stock organization in the world. Hon. John Dryden, President, Toronto, Can. Address correspondence to MORTIMER LEVY-FRING, Secretary, Lafayette, Indiana.

COTSWOLDS

Some good shearing ewes and ewe lambs, and a few choice ram lambs, right type, for sale. Prices moderate.

E. F. PARK, Burgessville, Ont.

NEWCASTLE HERD OF Tamworth Swine and Shorthorn Cattle

Still have a lot of beauties to offer in Tamworths of both sexes, from 2 months to 2 years old; a half-dozen March sows that will be bred in October and November. All for sale at moderate prices. Also four young Shorthorn bulls ready for service, and a half-dozen beautiful heifers.

COLWILL BROS., Newcastle, Ontario.

TAMWORTHS & HOLSTEINS

Two boars sired by Colwill's Choice, sows bred and ready to breed, and a choice lot ready to wean. Pairs not akin. Also cows and calves of the deep milking strains. All at moderate prices. Write or call on

BERTRAM HOSKIN, Grafton Sta., G.T.R.

1 AN WORTH

2 fine boars fit for service; also a choice lot of both sexes, from 2 to 4 months old, of good breeding stock. Prices reasonable.

Glenairn Farm, Jas. Dickson, Orono, Ont.

Hilfield Yorkshires

Young stock, both sexes, by imp. sire and dam, and the get of imp. sire and dam, up-to-date type with plenty of bone; also one 13-months-old Short-horn bull, dual-purpose bred. A good one.

G. B. MUMA, Ayr P.O., Ayr and Paris stations.

YORKSHIRES

My offering is: young stock of both sexes and all ages; bred from imp. stock and the get of imp. stock, they are true to type and first-class in every particular. Write me for what you want

L. HOOEY, Powle's Corners P.O., Fenelon Falls Station.

POLAND-CHINAS

Two litters farrowed Oct. 19th. Price, \$10, registered, crated and f.o.b. here. Order early, as supply is limited.

S. WETHERALL, Rushton Farm, Cookshire, Que.

Rosebank Herd of LARGE ENGLISH BERKSHIRES

Present offering: Choice stock from 6 weeks to 5 months old, sired by Concord Professor and Willow Lodge Crown 8th. Can supply pairs and trios not akin. Satisfaction guaranteed. Express prepaid.

JOHN BOYES, Jr., Churchhill, Ont.

QUESTIONS AND ANSWERS. Miscellaneous.

SHARING AN ESTATE.

A and B have been married twenty-two years, but have no children. Could A's brothers and sisters claim a share of his property in case he should die before B, not having made a will, and never having received any portion from his father? Ontario. G. H.

Ans.—Yes; they would be entitled to a portion of all estate over what would be sufficient to pay the debts and funeral and testamentary expenses and \$1,000 to B, the widow.

THICKNESS OF CONCRETE WALL FOR HOUSE MIXING CONCRETE.

1. If walls for dwelling-house, 36 x 40 feet, are built of cement concrete, would 12 inches thick be strong enough for walls 27 feet high?

2. Which method makes the better wall, to use a frame, which is raised as the wall is built, putting in the concrete mortar moderately dry; or to make a sort of box for the wall with ship-lap, pour the concrete into this quite wet, and allow the box to stand until some time after the wall has been completed, field stone being used to fill in center of wall in both cases? Temiskaming Dist., Ont. W. C. S.

Ans.—1. Quite strong enough. The upper story might, with perfect safety, be reduced to a thickness of nine inches.

2. The only advantage the latter method would have over the former would be that no air spaces would be left in the concrete, it would be perfectly solid. If, when concrete mortar is used moderately dry, it is rammed until all interstices are filled—until water shows—it will be as strong as the other. A mason who makes a specialty of building concrete walls, says that he prefers mortar rather wet, because he cannot get his men to ram it sufficiently when on the dry side.

CRUSHED STONE OR GRAVEL—CAPACITY OF SILO—OCTAGON MEASUREMENT.

- 1. Which is better, crushed stone or gravel, for cement silo?
2. What size should the crushed stone or gravel be?
3. How do you estimate capacity of silo in tons?
4. Given the length of one side of an octagon, how can one find its width?
5. Given the length of one side of an octagon, how can one draw remainder of figure? W.

Ans.—1. Crushed stone would probably make the strongest wall, but as gravel is good enough, it may as well be used, unless the other can be got as cheaply.

2. Gravel should be of no one size, but of all sizes, from coarse sand up to stones two inches in diameter. Stones of any size, whether broken or whole, may be imbedded in the concrete, so long as they are under the surface on both sides.

3. To estimate the capacity of a silo in tons, first find the capacity in cubic feet. The formula for this is 22 ÷ 7 times the square of the radius, multiplied by the height. A silo 12 feet in diameter and 25 feet high would have a capacity of 6 x 6 x 25 x 22 ÷ 7 = 19,800 ÷ 7 = 2,828.57 cubic feet. The average weight of a cubic foot of silage is 40 lbs., which means that 50 cubic feet weigh a ton. The capacity of our silo in tons would thus be 19,800 ÷ 7 ÷ 50 = 56 4-7 tons.

4. Multiply the length of one side by 2.414 and you have the diameter from center to center of opposite sides to within the nearest fraction.

5. Here is a homemade formula: Take two pieces of board, each the exact length of one side of octagon. Join them together at the proper angle, which is just half way between a line extended straight and one turned at right angles, or square across. Using this implement mark two sides, then shift and mark another, and continue until the figure is complete. Or, describe a square, each side of which is length of one of the sides of octagon desired. Then extend each of the four lines forming the sides of square a distance of .707 of the length of the line itself in both directions. Join by straight lines the points of the eight lines extended, and you have the octagon.

Ring-Bone

So common nearly every body knows it when he sees it. Lameness and a bony enlargement just above the hock, higher and on the upper pastern bone, sometimes extending nearly around the part, sometimes in front only, or upon one or both sides. Cases like the latter are called Sidebones. No matter how old the case, how big the lump, how lame the horse, or what other treatment has failed, use Fleming's Spavin and Ringbone Paste. Use it under our guarantee—money refunded if it fails to make the horse go sound. Often takes off the lump, but we can't promise that. One to three 45-minute applications required and anyone can use it. Get all the particulars before ordering—write for Free Horse Book that tells you what to use for every kind of blemish that horses have. FLEMING BROS., Chemists, 44 Front Street, West, Toronto, Can.

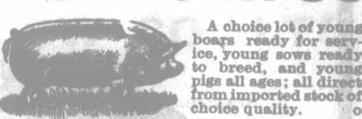
LARGE ENGLISH YORKSHIRES



Pigs of the most improved type, of both sexes, all ages, for sale at all times. We have more imported animals in our herd than all other breeders in Canada combined. We won more first prizes at the large shows this year than all other breeders combined. We won every first but one and all silver medals and Bacon prizes at Toronto and London, and at St. Louis we furnished all the first-prize pigs in the breeding classes except two; also supplied both champion and grand champions. Prices reasonable.

D. C. FLATT & SON, Millgrove, Ont.

Large White Yorkshires



A choice lot of young boars ready for service, young sows ready to breed, and young pigs all ages; all direct from imported stock of choice quality.

H. J. DAVIS, Importer & Breeder of Shorthorns & Yorkshires C.P.R. and G.T.R. Woodstock, Ont.

WOODSTOCK HERD OF BERKSHIRES

A few fall pigs left, sired by Imp. Polgate Doctor. Also am booking orders for spring pigs, for which I can supply pairs not akin at reasonable prices.

Imp. Polgate Doctor. DOUGLAS THOMSON, Woodstock, Ont.

ORCHARD HOME HERD OF LARGE ENGLISH YORKSHIRES

Now on hand, Feb. 8th: A choice lot of boars and sows, 3 to 4 months old. We furnish stock of most approved type and high quality. Our record for 1905: Every customer pleased and satisfied. Place orders now for spring pigs. Address:

S. D. CRANDALL & SONS, Cherry Valley, Ont.

Glenburn Herd of YORKSHIRES

Now on hand, a number of sows, 5 and 8 months old, for spring farrow; also a large number of September sows and boars. Booking orders for spring pigs.

DAVID BARR, JR., Box 3, Renfrew, Ont.

Oakdale Berkshires

Of the largest strains. Imported fresh from England. The produce of these and other noted winners for sale reasonable. Let me book your order for a pair or trio not akin.

L. E. MORGAN, Milliken Stn. and P.O.

MONKLAND YORKSHIRES

Imported and Canadian-bred. We keep 35 brood sows, and have constantly on hand between 100 and 200 to choose from. Can supply pairs and trios not akin. Quality and type unsurpassed. Prices right.

JAS. WILSON & SONS, FERGUS, ONT. G. T. R. and C. P. R. Long-distance Phone

YORKSHIRES

Young boars fit for service. Sows bred or ready to breed from choice imported stock. Also young pigs for sale—reasonable.

For particulars apply to

GLENHODSON CO., Myrtle Station, Ont. C. P. R. and G. T. R. LORNE FOSTER, Mgr.

For Sale—Ohio Improved Chester Whites, the largest strain, oldest established registered herd in Canada; young sows in farrow; choice young pigs, six weeks to six months old; pairs not akin; express charges prepaid; pedigrees and safe delivery guaranteed. Address: E. D. GEORGE, Putnam, Ont.