



ALL-STEEL HOG TROUGHS MEAN HEALTHY HOGS.

Hogs chew wooden troughs. Sour, rotten splinters set up stomach troubles that kill the swine. Our Patent All-Steel Troughs prevent this. Made of 14-gauge cold rolled steel imported from Scotland. Guaranteed against frost and decay, and "won't wear out." Write for prices.

The Steel Trough & Machine Co., Limited, Tweed, Ont.

Hampshire Down Sheep

Splendid Mutton, Good Wool, Great Weight.

This highly valuable ENGLISH BREED OF SHEEP is unrivalled in its rapid and WONDERFULLY EARLY MATURITY, hardiness of constitution, adapted to all climates, and in quality of MUTTON AND LARGE PROPORTION OF LEAN MEAT IS UNSURPASSED. Full information of SECRETARY, Hampshire Down Sheep Breeders' Association SALISBURY, ENGLAND.

SCOTLAND.

DISPERSION SALES OF THE BARRELLWELL FAMED FLOCK OF BORDER LEICESTER SHEEP AND HERD OF PEDIGREE SHORTHORN CATTLE.

MACDONALD, FRASER & CO., Ltd., favored with instructions from the representatives of the late David Hume, Esq., J. P., will submit to auction at Barrellwell, near Brechin, Scotland:

On WEDNESDAY, 2nd SEPTEMBER, next, the whole of the very valuable and world-renowned flock of Border Leicester sheep, numbering 446 head, and including 90 superb shearing rams, 100 ram lambs, 6 renowned stud rams, 150 two, three and four year old stud or stock ewes, 100 shearing or maiden ewes. Many of these sheep are prizewinners at National and other shows, and many of the shearing rams are suitable for the show-ring, and the whole comprise one of the grandest and best lots of Border Leicester sheep ever offered to public auction.

On SATURDAY, 10th OCTOBER, next, dispersion sale of the renowned herd of pedigree Shorthorn cattle, numbering 80 head of bulls, cows, heifers, and bull & 3 heifer calves. Catalogues on application. Commissions executed.

MACDONALD, FRASER & CO., LTD., PERTH, SCOTLAND.

SOUTHDOWN SHEEP

Unequaled for fine quality of both mutton and wool, hardiness of constitution, and earliness of maturity.

STRIDE & SON will sell by auction at Chichester, Sussex, England, on

AUGUST 19th, 1908, 6,000 Southdown ewes, 500 Southdown rams and ram lambs.

ON SEPTEMBER 16th, 1908, 4,000 Southdown ewes, 300 Southdown rams and ram lambs.

Commissions carefully executed. Telegrams: STRIDE, Chichester, England.

POSTAL ADDRESS: STRIDE & SON, Chichester, Sussex, Eng.

In every line of duty we rob God if we are content with less than the best we can do.—J. R. Miller, D. D.

DODD'S KIDNEY PILLS. CURES ALL KIDNEY DISEASES. RHEUMATISM, BRIGHT'S DISEASE, DIABETES, BACKACHE.

QUESTIONS AND ANSWERS. Miscellaneous.

CLYDESDALE REGISTRATION.

How many crosses are needed to register a Clydesdale filly or stallion colt, or have they to trace to imported stock on both sire's and dam's sides? J. L.

Ans.—Four for a filly, and five for a stallion colt. It is not required that they trace to imported stock. If the sires are registered, the produce is eligible.

PROBABLY CHOLERA.

As I am a constant reader of "The Farmer's Advocate" and enjoy it very much, I thought I would write and ask you if you knew what is wrong with my hens. At first, they are very healthy, and the first thing I notice they become lame; in fact, they lose the use of their legs completely; then they take diarrhea, and, during the time they are sick (about four or five days), eat nothing. We have lost several, and our neighbors have lost quite a number with the same complaint. I don't keep them confined; they have a free range, and I feed wheat, barley and a mash made of boiled potatoes and shorts. A CONSTANT READER.

Ans.—It is quite probable that this is a kind of fowl cholera, and that if prompt means are not taken, the whole flock will go. Take all birds affected—kill and burn. Clean out, and thoroughly disinfect the henhouse and all furniture previously used. Repeat the disinfection after three or four days. The disinfectant may be a spraying with Zenoleum, creolin, or a ten-per-cent. solution of carbolic acid and water. Mix any one of these with hot water. While the disinfecting operations are going on, it will, of course, be necessary to confine the birds in another house. Give them, in their drinking water (to every gallon) one teaspoonful of sulpho-carbolic acid of zinc, and keep all other drink away from them. Let them have this for several days, and repeat the dose in a week's time. It will be to your benefit to see that neighbors, having similar trouble, treat their houses and fowls the same way. A number of years ago, flocks in Goderich and Colborne Townships (Huron Co.) were similarly affected, and this treatment saved the flocks. F. C. E.

WALL IN CISTERN—TILE FOUNDATION—FURNACE REGISTERS.

We intend putting in a cistern this summer.

1. Would you advise building a single-brick partition across one corner and let the water percolate through this wall to the pump in the corner to remove all sediment? Would this method tend to harden the water? 2. Is it better to put tile drain outside or inside cellar wall, for house on a good elevation? 3. What system is best for heating house floor, registers or flues in the wall? A. J.

Ans.—1. I see no necessity for a partition across the corner of the cistern. The pipe from the pump will not go quite to the bottom of the cistern, hence no sediment will go up the pipe, and no floating material, should there be any, can enter the pipe either, for it will be on the surface, which will always be above the entrance to the pipe. The brick would have no appreciable effect in hardening the water.

2. Outside. It is just as effective, and much more convenient to get at in case of repairs being needed.

3. So far as efficiency is concerned, there can be no appreciable difference, provided the same sizes of pipe and register are used in the two methods. Personally, I prefer the wall register, because of its appearance, and, also, because it does not interfere with carpets, linoleums, etc., on the floor. Some like the floor register, claiming it is better for "warming at," but I have not observed any marked difference on this point. What is of vastly more importance than the question of floor or wall registers in installing a furnace is that there should be plenty of cold-air outlet from the rooms to the furnace. The hot air cannot ascend unless an equal volume of cold air descends. I have seen different furnaces that were inefficient, simply because the cold-air flues were too small. WM. H. DAY.

O. A. C., Guelph

Sheep Breeders' Associations.

American Shropshire Registry Association, the largest live-stock organization in the world. Ricard Gibson, President, Delaware, Canada. Address correspondence to MORTIMER LEV. ERING, Secretary, Lafayette Indiana.

SHROPSHIRE SHEARLING EWES for sale, bred to high-class imported Butlar ram. GEO. HINDMARSH, AILSA CRAIG, ONTARIO.

Lincoln Long-wool Sheep Breeders' Association.

LINCOLN RAM SALES, 1908.

The 23rd and 24th sales of Lincoln Long-wool Rams, by members of this Association, will be held in Lincoln on the 11th July and 4th September next. Rams on view the day previous to each sale.

William Frankish, Secretary, St. Benedict's Square, LINCOLN.

I CAN FURNISH JUST NOW A LARGE NUMBER OF EXTRA GOOD Shropshire & Cotswold Rams

A large number of extra good Shropshire and Cotswold ewes, twelve months old. And a few very high-class Shorthorn bulls and heifers. Any of which will be sold at moderate prices. ROBERT MILLER, STOUFFVILLE, ONT.

EAST BANK HERDS

Large English Yorkshire and Berkshire Swine, Shorthorn Cattle, Barred Rock Poultry.

Am offering bargains in choice suckers at very moderate prices, bred from choice prize-winning stock. Can book orders for immediate delivery in any of the above, also for succeeding months. Barred Rock eggs 75c. for 15, and \$3 per hundred. Try me for a bargain in choice stock. Satisfaction guaranteed. Phone connection.

IRA L. HOWLETT, Keldon, O.-t.

English Berkshires. January pigs ready to ship. Orders booked for March pigs. Boars ready for use. Two-year-old Shorthorn bull and several choice calves. JOHN RACEY, Lennoxville, Que.

Yorkshires and Tamworths. Either sex. Any age. Sows bred and ready to breed. Yorkshires from imp. stock. Tamworths from Toronto winners. Pairs not akin. Chas. Currie, Morrison, Ont. Schawstation, C. P. B.

Duroc-Jerseys. Boars fit for service. Sows ready to breed. Several sows in pig, also younger ones. Imported Canadian Boy 1907 heads our herd. MAC CAMPBELL & SONS, Harwich, Ont.

LARGE ENGLISH YORKSHIRES.

Pigs of the most approved 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 hogs in the breeding classes except two; also supplied both champions and grand champions. Prices reasonable.

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



Maple Grove Yorkshires. Animals of choicest breeding and individual excellence, both imported and Canadian-bred. Young sows due to farrow in April and May. Boars fit for service. A fine lot of boars and sows from 3 to 5 months old. Pigs of both sexes and any age. Everything guaranteed as represented. Price reasonable. H. S. McDIARMID, FINGAL, ONT., SHEDDEN STATION.

YORKSHIRES

Of the Choicest Type of Breeding. Our herd stands second to none in Canada to-day. We invite inspection. Any stock shipped can be returned at our expense if not satisfactory on receipt. Prices not the lowest, but for value received we guarantee them as good as the best. Good stock on hand now. J. W. BOYLE, P. O. Box 563, Woodstock, Ont.

PINE GROVE BERKSHIRES!

Bred from imp. and Canadian-bred sires and dams, which are of choicest breeding. Stock, all ages, for sale. Some imp in dam. Guaranteed as represented. W. W. BROWNIDGE, Milton, C. P. B. Ashgrove P. O. Georgetown, G. T. B.

SUNNYMOUNT BERKSHIRES!

Boars fit for service, sows safely in pig, young sows 4 months old, young sows and boars 8 months old, imported in dam. JOHN McLEOD, Milton, Ont., P. O. and Sta., C. P. R. & G. T. R.

MONKLAND YORKSHIRES

are the easily fed, quick maturing kind. The sort the farmers want. All ages for sale. 100 sows bred now. JAMES WILSON & SONS, FERGUS, ONTARIO.

Newcastle Tamworths and Shorthorns

For Sale: 100 pigs, both sexes, all ages. Sows from 10 months to 3 years, bred to imp. Chalderton Golden Secret, all descendants of Colwill's Choice and Newcastle Warrior, both Toronto champions. Also two choice Shorthorn bulls, ready for service, from choice milkings dams, and sired by a son of imp. Joy of Morning. A. A. COLWILL, NEWCASTLE, ONT.

Glenburn Herd of Yorkshires

Winner of gold medal three years in succession. 6 young boars from 6 to 8 months; also 75 young sows, from 6 to 12 weeks old. David Barr, Jr., Box 3, Renfrew, Ont.

Elmhurst Berkshires

Our large brood sows are all imported. Still Pitts Middy, imp (1895), winner of first at Oxford, 1907, heads the herd. All stock shipped by us as represented or money refunded. Express prepaid. Large stock to choose from. Write us. H. M. VANDERLIP, Importer and Breeder, CAINSVILLE, Ont., BRANT CO.

Meadowbrook Yorkshires.

Young stock of both sexes. A number of sows old enough to breed, all sired by imp. Dalmatian Topman. Everything guaranteed as represented. J. H. SMELL, Wagersville, Ont., P. O. & Station.

Yorkshires. A choice lot of boars and sows just farrowed and weaned. Boars ready for service, and sows ready to breed and bred. Bred from imp. and prize-winning stock. GEO. M. SMITH, Haysville, Ont.

LARGE ENGLISH YORKSHIRES.—We have a limited number of choice young pigs for sale, bred from our choicest sows and got by the imported boars, Dalmatian Joe 1357 and Broomhouse Beau 14514. Pigs from the latter won all the first prizes at the Ottawa Fat Stock Show last March for the best dressed carcasses, and sweetestakes over all breeds or grades. We guarantee satisfaction in all mail orders. JOSEPH FEATHERSTON & SON, STRENTSVILLE, ONT.

Large English Berkshires for sale from imported stock. Sows with pig and pigs for sale. All ages. At reasonable prices. Guarantee satisfaction. Boars and sows delivered at Woodstock station, C. P. R. or G. T. R. JOSHUA LAWRENCE, OXFORD CENTER, ONT.

Willowdale Berkshires are unsurpassed for quality and breeding. Young stock, all ages, for sale reasonable. Satisfaction guaranteed. Long-distance telephone in residence. J. J. WILSON, Importer and Breeder, Milton, Ont., P. O. & Sta., G. T. R. and C. P. R.