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Our steel hog trough has proved itself a true success. "All right. Just the thing. Would use no other." That's what they who use them say. Send us your order; do it now. Get our free catalogue of tanks, food cookers and troughs. We make the Gordon all-steel cheese vat. Write us.

The Steel Trough and Machine Co., Limited, Tweed, Ontario.

Eastern Dairy School

Kingston, Ont.

Regular courses begin immediately after New Year's.

School will operate as a creamery during December.

TUITION FREE.

For calendar giving full particulars regarding the courses write:

J. W. Mitchell, Supt., Kingston, Ont.

Party having one whole section and another half section of best fall wheat and mixed farming

Land in Alberta

WITHIN FOUR MILES FROM RAILROAD STATION.

Also an improved farm, two dwellings and barn, in Saskatchewan. Must have money, and will sell at a sacrifice if sold within 30 days. One-quarter cash required. For full particulars write:

Ontario & Alberta Land Co.,
ROOM 6, 18 TORONTO ST.,
TORONTO.



Advertisements will be inserted under this heading, such as Farm Properties, Help and Situations Wanted, and Pet Stock.

TERMS—Three cents per word each insertion. Each initial counts for one word and figures for two words. Names and addresses are counted. Cash must always accompany the order. No advertisement inserted for less than 50 cents.

FOR SALE—Excellent stock and grain farm. One hundred seventy five acres. Elgin Co., seven miles from St. Thomas two miles from Marquette and Michigan Central Station. Comfortable house. Two bank barns. Complete water system for stock in stables. Young orchard—bearing. Eighteen acres fall wheat. R. D. Ferguson, Port St. Mary.

WANTED—A man to work on a farm for the year. Can supply a house if necessary. Address: Box 233, Shashroy.

WANTED—A few good subscription agents for The Farmer's Advocate and Home Magazine. Liberal terms. The William Wells Co., Ltd., London, Ont.

WANTED—An indoor servant. One qualified to take charge small family. Comfortable home and highest wages. Address: Mrs. B. Gunn, Dunrobin Farm, Beaverton Ont.

200-ACRE FARM—Soil clay loam. Well watered. Good brick house. Bank barn. Apply: Jno. Underwood, Grafton Northumberland Co.

GOSSIP.

H. S. McDiarmid, of Fingal, Ont., reports Yorkshire business fairly good, despite the ruling high prices of feed. Through his advertisement in "The Farmer's Advocate," he is finding a market in various parts of the Dominion, and his customers invariably express satisfaction. The Maple Grove herd is being reinforced from time to time with selections of high-class stock, including a promising new stock boar, Summer Hill Roger 4th, which bids fair to prove a winner, combining with length and bacon conformation strong breed and masculine character. All the young sows are being bred to him. Present offerings include a number of pigs imported in dam, bred by Noels, of England, winner of a sow championship this year at the Royal.

GOSSIP.

R. MOORE & SONS' SHIRES AT AUCTION.

Shire horse breeders desiring to strengthen their studs, and farmers in quest of pure-bred draft stock, will welcome the announcement that the consignment of 17 Shire stallions, mares and fillies, from the noted stud of R. Moore & Sons, Beeston Fields, Nottingham, Eng., will be sold at auction at buyers' own prices at the Britannia House stables, London, Ont., Thursday, November 7th. A few notes on these horses, by a member of our staff who had the pleasure of examining them, will be found on page 1615 of "The Farmer's Advocate" of October 10th. They comprise one five-year-old stallion, a four-year-old, a three-year-old, four two-year-olds and a colt foal, four mares, four two-year-old fillies and a yearling. These have all been selected with a special view to meeting the Canadian demand, the points looked for being soundness and free action, combined with quality, scale and true Shire character. The females are by such noted sires as Stroxtom Tom, twice champion at the Shire Horse Show, London, Eng.; Croome Cardinal, included in the contingent; Menestrel, first and reserve champion at the Shire Horse Show, London, Eng.; Nailstone Cœur de Lion, winner of first at the Shire Horse Society's Show, London, Eng., champion, Peterborough, etc., and other noted sires of merit. The stallions are by such sires as Southgate Lincolnshire Lad II., Royal Warrior, Calwich Sam, Borough Menestrel. Among them is Royal King III., the three-year-old illustrated on page 1634 of our issue of October 17th. This week we present a picture of the noted prize-winning five-year-old stallion, Croome Cardinal. The photograph has scarcely done justice, however, to his massive proportions and the quality of his underpinning. Sired by Southgate Lincolnshire Lad, and out of a mare called 21298 Bessy Croome Cardinal has an enviable English show-yard record to his credit, including first and champion Cambridgeshire; three firsts and championship, Cottenham; first, Stowmarket; first and championship, Little Downham; first, Chatteris; first and His Majesty's cup, King's Lynn, Norfolk; and first at Newport. Croome Cardinal has proved himself an excellent stock-getter, his foals having won at Kingston, Eastwood, Greasley, Selston, Ilkeston, and the Royal Agricultural Society, Derby. Yearlings, by him, have won this year: First at Mansfield, Kingston, Heaton Agricultural Shows and the Notts Agricultural Society at Retford. These few particulars give a fair idea of the merit and breeding of the individuals comprising the lot. For catalogue and further particulars, address R. Moore, Britannia House, London, Ont., or Capt. T. E. Robson, London, Ont., auctioneer.

DALGETY'S CLYDESDALE SALE.

An attractive auction sale of imported Clydesdale mares and fillies will be that of Messrs. Dalgety Bros., of Dundee, Scotland, and Glencoe, Ont., to be held at the Fraser House, London, Ont., on Wednesday, November 6th, at 1.30 p. m., when sixteen extra choice Clydesdale fillies of the best of breeding and quality, newly imported, will be sold at the buyers' own prices. A number of these are said to be show animals, and most of them are bred to noted sires in Scotland. This firm is noted for the choice class of horses they bring out. Having representatives in Scotland and in Canada, they know the needs of this country, and are in a specially good position to secure the sort that suits the demand here. They have brought out many

shipments, and the size, quality and action of their consignments have always been quickly taken, and have given good satisfaction. The lot to be sold on November 6th is said to be the best lot they have yet offered, and they should find ready buyers at fair prices, for there is certainly a great need of good heavy-draft brood mares in this country to meet the demand for such stock. A few good stallions, just landed, will also be on hand for sale by private contract. Look up the advertisement; remember the date, and attend the sale.

Attention is called to the advertisement in this paper of two specially well situated farms for sale in Alberta and Saskatchewan.

At Poughkeepsie, N. Y., on Oct. 22, Major Delmar defeated Sweet Marie in a trotting match race for a purse of \$2,500, at the Hudson River Driving Park, winning two out of three heats. The race was the three fastest heats ever trotted on the track in a race. Time, 2.07½, 2.06½, 2.06½.

JUDGES AT THE INTERNATIONAL.

Following are some of the live-stock judges named for the Chicago International Exposition, Nov. 30th to Dec. 7th. Clydesdales—Prof. W. B. Richards, Fargo, N. D.; Andrew McFarland, Palo, Iowa; John Dickson, LaFayette, Ind. Shires—J. F. Myers, Herbert, Ill.; W. E. Pritchard, Ottawa, Ill.; Prof. G. C. Humphrey, Madison, Wis. Hackneys—Hy. Fairfax, Aldie, Va. Shorthorns—Chas. E. Leonard, Bellaire, Mo.; E. K. Thomas, Middletown, Ky.; Capt. T. E. Robson, London, Ont. Angus—M. A. Judy, Beecher, Ill.; Prof. J. H. Skinner, LaFayette, Ind.; Stanley R. Pierce, Creston, Ill. Herefords—John Robbins, Horace, Ind.; Thos. Mortimer, Madison, Wis.; C. A. Stannard, Emporia, Kansas. Galloways—Marion Parr, Harrison, Ill. Grades and crosses and champion steers—James Durno, Jackson, Rothie, Norman, Scotland.

Sheep (breeding and fat classes): Shropshires—Geo. Allen, Lexington, Ky.; Arthur Danks (alternate), Alamuchi, N. J. Hampshires—P. W. Artz, Osborne, Ohio. Cotswolds—J. R. Allen, Draper, Utah; P. W. Artz (alternate), Osborn, Ohio. Southdowns—Prof. G. E. Day, Guelph, Can. Cheviots—H. Noel Gibson, Millbrook, N. Y. Dorsets—John R. Nash, Tipton, Ind. Oxford Downs—Frank Kleinheinz, Madison, Wis. Leicesters—Wm. Mackintosh, Burgoyne, Ont. Lincolns—Prof. G. E. Day, Guelph, Can. Suffolks—P. W. Artz, Osborn, Ohio. Grade and cross-bred and champions—David McKay, Ft. Wayne, Ind. Carloads of sheep—R. S. Matheson, U. S. Yards, Chicago. Carcass sheep—E. E. White, U. S. Yards, Chicago.

Swine: Berkshires—Elmer Barker, Thorntown, Ind. Poland Chinas—W. G. Swallow, Booneville, Iowa. Chester Whites—Harry Booth, U. S. Yards, Chicago. Duroc Jerseys—Harry Booth, U. S. Yards, Chicago. Tamworths—E. N. Ball, Hamburg, Mich. Yorkshires—Harry Booth, U. S. Yards, Chicago. Hampshires—Harry Booth, U. S. Yards, Chicago. Grade and cross-breds and champions—Prof. W. L. Carlyle, Ft. Collins, Colo.

QUESTIONS AND ANSWERS.

1st.—Questions asked by bona-fide subscribers to "The Farmer's Advocate" are answered in this department free.
2nd.—Questions should be clearly stated and plainly written, on one side of the paper only, and must be accompanied by the full name and address of the writer.
3rd.—In veterinary questions, the symptoms especially must be fully and clearly stated, otherwise satisfactory replies cannot be given.
4th.—When a reply by mail is required to urgent veterinary or legal enquiries, \$1 must be enclosed.

Veterinary.

ITCHY PASTER.

Horse has an itchy between hoof and pastern joint. There is no swelling. An oily substance exudes from a mass of pimples. When washed off nothing can be noticed.

D. G. H.

Ans.—Purge him with eight drams aloes and two drams ginger. Follow up

with one and a half ounces Fowler's solution of arsenic twice daily every alternate week as long as necessary. Do not wash the parts at all. Dress, three times daily, with a solution of 20 grains of corrosive sublimate in a pint of water.

LAME COW.

About two weeks ago our cow went lame, and has been getting worse ever since. Her thigh is swollen to three times the normal size, but does not seem sore to pressure. Her hips seem to be shrinking away. She has no use of the leg.

J. W. R.

Ans.—This is either a fracture or the formation of a large abscess. I am inclined to the opinion that it is a fracture. It would be well to call your veterinarian in, and if pus be present he will open the abscess. If it be a fracture, all that you can do is to keep her as quiet as possible in a comfortable box stall, and bathe the parts frequently with hot water, and, after bathing, rub well with camphorated liniment. I am afraid she will not recover.

V.

UNTHRIFTY HORSE.

1. Six-year-old horse is very unthrifty, and has been so for more than a year. He was fed poor hay last winter. His teeth are all right, and he has no worms. He is very hard to physic.

2. Is it wise to feed boiled oats and bran?

3. Would a little flaxseed, boiled with the oats, give good results?

4. Do you advise the use of stock foods?

5. Would good oat straw be better food than poor hay?

Ans.—1. Take three ounces each of sulphate of iron, sulphate of copper, tartar emetic and calomel. Mix, and make into 24 powders. Give a powder every night and morning. After the last has been taken, give a purgative of ten drams aloes and two drams ginger. Feed bran only for twenty-four hours after giving purgative.

2. A soft feed like this, twice daily, gives good results with idle horses; but he should get a dry feed at least once daily.

3. Yes.

4. No.

5. Yes; hay of poor quality should not be fed to horses.

V.

Miscellaneous.

SHINGLES TO THE SQUARE.

1. Please give rule to find the number of squares in a roof.

2. How many thousand shingles required for roof, from four to five inches to the weather?

Ans.—1. A "square" is a space of 100 square feet, or ten feet each side.

2. The rule for finding the number of shingles is as follows: Find the number of square feet in the roof by multiplying the length and width of one side together. Double this, and multiply the total by eight, and this will give the number of shingles, laid about four and a half inches to the weather.

LEGHORNS VS. WYANDOTTES—SINGLE-COMB VS. ROSE-COMB.

1. Which would be the best, a good laying strain of Leghorns or Wyandottes? Would the Leghorns make up in eggs what the Wyandotte would make up in eggs and marketed chickens?

2. Which is the best for poultry on a farm, the Single-comb Leghorns or the Rose-comb?

Ans.—1. This is a matter for difference of opinion, and the best data that could be supplied to help our inquirer to a conclusion would be letters giving actual statements of receipts and profits from fanciers of these and other breeds. Something will depend upon local market facilities. The Leghorns are excellent layers and the egg end is more important, as a rule, than the market-poultry end. It is claimed, however, on behalf of the Wyandottes, and other breeds of its class, that they rival the Mediterranean breeds, such as Leghorns, Minorcas, etc., in winter-egg production.

2. There are rose-comb varieties of only the White and the Brown Leghorns. They are not nearly so popular as the single-comb, although we are aware of no essential reason why they should not be.