

QUESTIONS AND ANSWERS.
Miscellaneous.

LATHYRUS SYLVESTRIS.

Do you know anything about a plant called, in French, gesse des bois (lathyrus sylvestris)? Can it be advantageously cultivated in this country, particularly in a poor land? Is it a good fodder, etc., etc.?

OLD SUBSCRIBER.

Ans.—This plant was exploited some years ago, and represented to be a great forage crop, but it has never amounted to any economic significance.

BUTTER-FAT.

How many pounds of butter should a patron receive for a thousand pounds of milk testing 4 per cent. by the Babcock tester?

OLD SUBSCRIBER.

Ans.—In the thousand pounds of milk there would be forty pounds of butter-fat. But butter contains other substances than butter-fat, amounting, ordinarily, to 16 per cent. This is generally called the overrun. Therefore, forty pounds of fat would be equivalent to 47.6 pounds of butter.

REGISTRATION QUESTION.

A has a registered cow that has been mated with a registered bull, the calf of which is now seven years old; is it still eligible for registration?

SUBSCRIBER.

Ans.—If the sire and dam were of the same breed, the produce, in the case of most of the breed registers, is eligible at any age on payment of double fees and furnishing satisfactory evidence as to identity of the animal. The rules of the American Hereford register do not admit of registering an animal after it is two years old.

SKINS TO TAN.

I have two black hides off two-year-old heifers which I wished to have tanned to make into a robe. Will you kindly advise me where I can have this work done properly?

D. G.

Ans.—The tanneries at Gravenhurst, Bracebridge or Barrie would do the work satisfactorily. If you cannot get them over to the Georgian Bay ports until navigation opens, rub them well with salt, and pack them in ice. At first opportunity would recommend writing letters to these tanneries asking them for terms.

DRILL MARKER.

Will you kindly send me through your valuable paper a plan of a corn marker, as I usually plant my corn in squares?

C. E. K.

Ans.—A marker we have used with good satisfaction consisted of a long ash pole, 18 feet, with wooden pins 18 inches long, and set three and a half feet apart on the under side. Two handles project behind, and a light tongue is attached in front. The inside end peg follows the mark of the outer peg on the return journey. Smaller sizes than this can be made. Of course, the field must be marked both ways to make hills.

HOMEMADE VINEGAR.

A. S. writes asking how to make good strong vinegar.

Ans.—Many of our readers make excellent vinegar from the "skimmings" secured during maple syrup making. When the syrup season is over these are put in a barrel, or old milk can, and about a half to two-thirds as much clean fresh rain water added. The barrel is placed in a warm corner, usually in a sheltered spot where it will stand in the sun, and is covered. In about a month, it becomes quite sour, and is then skimmed and poured off, leaving the settlings in the bottom, and put in the vinegar barrel with some of the old "mother" from which the vinegar microbes multiply. Vinegar is also made from cider in much the same way. Another recipe is: Rain water, 20 gallons; acetic acid, 2 1/2 lbs.; molasses, 1 gallon; yeast, 1 quart. Stir well, and allow to stand from one to three weeks. If stronger vinegar is wanted, add more molasses. Here is another: Molasses, 2 quarts; yeast, 1 quart; soft water, 6 gallons. Put in keg, cover with wire gauze, and stand for three weeks in warm place. Still another: Cider, 20 gallons; water, 10 gallons; yeast, 2 gallons.

IMPORTED SHORTHORNS AND CLYDESDALES

15 imported Scotch Shorthorn heifers, all in calf or calves at foot; 2 imp. bulls; both in pedigree and individually these animals are gilt-edged. Four three-year-old imported Clydesdale fillies, very large and A1 quality.

ALEX. ISAAC, Cobourg P. O. and Station

HIGH-CLASS SHORTHORNS.
8 heifers, in calf to an imported Scotch bull; 6 bulls ready for service; about 15 heifer and bull calves, from 3 to 12 months old. Prices very reasonable, considering quality. Inspection invited. RANK W. SMITH, Walnut Farm, Scotland, Ont. o

DOMINION SHORTHORN HERDBOOK WANTED.

The Dominion Shorthorn Breeders' Ass'n will pay \$1 each for any of the following volumes of their herdbooks: Volumes 7, 8, 9, 10, 11, 12, 13, 14, 15; also 1st vol. Clydesdale Studbook, and 1st vol. Dom. Ayrshire Herdbook. Send by express if possible, unpaid (if by post, postage will be returned with price).

HENRY WADE, Sec'y, TORONTO, ONT.

VALLEY HOME STOCK FARM.
S. J. PEARSON, SON & CO., BREEDERS OF

Scotch Shorthorn Cattle and Berkshire Swine

FOR SALE: 6 young Scotch bulls, some from imported sires and dam; also young cows and heifers, and young Berkshire swine of both sexes. Come and see them, or write for particulars. C.P.R. Station, Meadowdale Telegraph and P.O. o

I GUARANTEE A \$500 PACKAGE OF **BARREN KOW CURE** postpaid, to make any cow under 10 years old breed, or refund money. No trouble, no risk. Given in feed twice a day. L. F. Selleck, Druggist, Morrisburg, Ont.

W. G. PETTIT & SONS
FREEMAN, ONT., Importers and Breeders of

Scotch Shorthorns

110 head in the herd, 40 imported and 20 pure Scotch breeding cows. Present offering: 3 imported and 6 pure Scotch from imported sire and dam; 6 Scotch-topped from imported sires; also imported and home-bred cows and heifers of the most popular type and breeding. A few choice show animals will be offered.

Burlington Jct. Sta. Telegraph & Telephone

SHORTHORNS AND SHROPSHIRE.

FOR SALE: Young bulls and heifers from best blood. Shearlings and lambs bred from imp. stock on side of sire and dam. Prices reasonable. E. E. FUGH, Claremont P. O. and C. P. R. Sta.

5 SHORTHORN BULLS

1 red imported bull, coming 3 years; 2 bulls imported in dam, one red and one roan, coming 1 year; 1 red from imported sire and dam; 1 red, sixteen months, from Scotch dam and sire; also heifers of all ages for sale.

ALEX. BURNS, ROCKWOOD P. O. and STATION, G.T.R.

ONLY THE BEST.

Eight young bulls and 10 heifers of the purest Scotch breeding and of the low-set kind, as good as I have ever offered, for sale at prices that will induce you to buy. Most of the heifers are in calf to imported bulls that stand as high as any in the world in breeding and individual excellence. High-class Shropshires for sale as usual.

ROBERT MILLEK, Stouffville, Ont. Representative in America of Alfred Mansell & Co., Shrewsbury, Eng. The largest exporters of live stock in the world.

SHORTHORNS.

8 young bulls, 11 heifer calves, yearlings, two-year-olds and young cows for sale. Several Miss Ramdens and the very best families represented. Prices moderate. G. A. BRODIE, Bethesda, Ont. Stouffville Station.

HILLHURST FARM
(ESTABLISHED FORTY YEARS)

SHORTHORN herd numbers 30, with Imp. Scotch Hero (Missie) and Broad Scotch (Sittytton Butterfly) in service. Some choice young bulls and heifers for sale, by Joy of Morning, Scottish Beau, and Lord Mountstephen, from imported and Canadian-bred dams of HAMPSHIRE 03 lambs all sold.

Jas. A. Cochrane Hillhurst P. O., COMPTON CO., P. Q.

Shorthorns & Scotch Collies FOR SALE

Also a quantity of Strawberry Dent Corn for seed at 2c. per lb., shelled, in 2-bush. lots and less; 2 1/2 bush. orders and upwards at \$1 per bu.-h., 56 lbs. J. K. Hux, Rodney P. O. and Sta., (M.C.R.R. and L.E. & D.R.R.) o

8 SHORTHORN BULLS FOR SALE

Good ones, Scotch breeding. 9 to 20 months. Also females any age. Lowest prices. DAVID MILNE & SON, ETHEL, ONT

Queenston Heights Shorthorns

Derby (imp.) a Jamieson-bred "Secret," at head of herd. Write for what you want.

HUDSON USHER, QUEENSTON, ONT.

Farm 3 miles north of Niagara Falls.

WASHY HORSE.

I have a young horse, five years old, which to all appearance should make a fine Roadster, but after driving him one or two miles his bowels become very loose. What can I do to prevent this? He is fed whole oats and timothy hay.

Ans.—This question is treated in the article by Whip, in this issue.

MILKING MACHINE.

You gave an account of a milking machine working by electricity in France. How is it that this machine is not more in use, or that we do not hear more about it? Does it prove satisfactory?

J. J. M.

Ans.—This is simply the old-fashioned suction machine driven by an electric motor, instead of by the engine or horse-power. It is not perfected by any means yet, but when it is we can safely depend upon our manufacturers to exploit it.

STALLS AND STANCHIONS.

Have noticed with interest your barn plans in your valuable paper, and have received some pointers. Would like if you would give the best plan of stall, and give your opinion of the swinging stanchion for cows?

A. S.

Ans.—The arrangement of cattle stalls is one of those things about which authorities differ. All things considered, however, we think the double stall, with chain ties attached so the cattle can raise their heads with perfect freedom, the best kind to build. Have the front boarded up so the animals cannot climb forward and get their feet into the manger. This can be done by having the boarding begin just above the top of the manger, and the front of it projecting into the passage. Have the partitions between stalls about four and a half feet high, and extend back about the same distance, so that vicious cattle cannot get their heads over to injure their neighbors. Do not have a partition that slopes from the ceiling in front to the floor behind; nor a manger open in front.

STABLING—WIREWORMS—POTATOES.

1. I am contemplating keeping hogs in the horse and stock barn to insure the mixing of the horse manure as well as for convenience in feeding, bedding, etc. There is a sentiment among old farmers that the proximity of hogs is injurious to horses, whether from foul odors or social degradation, I am not able to determine. Is such the case?

2. The small, hard-bodied, yellow wireworm about three-quarters of an inch long have injured many of my potatoes by eating holes in almost to the center. Will any treatment of the soil eradicate them? This is old, worn-out upland that I am bringing into rotation. Will these worms disappear after rotation is well established?

3. What is the cause of potatoes growing hollow? The largest are more liable to this defect.

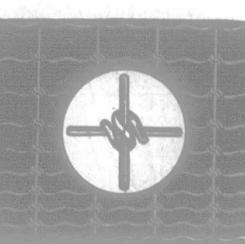
R. J. M.

Ans.—1. The objection to keeping hogs with horses and cattle is that the odors from the hogs are disagreeable to the horses, unless the pens are kept very clean. If closed partitions separated the hogs and horses, and good ventilation is provided, the objection would be overcome. In the modern, well-kept stables, the practice is not so objectionable, as was frequently the case when the pens were cleaned out about once or twice a year.

2. Wireworms are not easily affected by treatment with any kind of chemical. Their habitat is in old sod land, and it is probable when this is broken up and the soil exposed to winter conditions the worms will disappear.

3. A reason why certain potatoes are hollow in the center is difficult to give. It is not on account of disease, however, but a peculiarity of the arrangement of the cellular tissue. The phenomenon is partly explained when we remember that a tuber is really a modified stem, and the plant-food in the tuber tends to accumulate at points where it is going to be first required, namely, at the eyes of the tuber. Then we can conceive of the central part of a large potato being so far away from the eyes on either side that it is without the storehouse, so to speak; hence there is no starch or other plant food located at these points, consequently hollowness.

Note the Knot—It Cannot Slip



STRONG, DURABLE Ideal Fencing

THE LIFE of any wire fence is the life of its smallest wire. The IDEAL is large, (No. 9) hard steel galvanized wire throughout, making it the most durable and the strongest.

THE "IDEAL" improves permanently the property it protects.

Write for illustrated catalogue Free of our Fencing and Gates

The McGregor-Banwell Fence Company, Walkerville (LIMITED) Ontario

SHORTHORNS FOR SALE.

I am offering for the next month, at exceptionally low prices, several young bulls, heifers and bred heifers of choice Scotch breeding and good individuality. These are rare bargains. Write for my prices, I feel sure they will tempt you. Address on H. SMITH, Exeter, Ontario.

Shorthorns, Leicesters and Berkshires. FOR SALE—1 yearling bull, bull and heifer calves; Berkshire boars and sows, ready for service, and suckers ready to wean. Write for wants, or come and see E. Jeffs & Son, Bond Head P. O., Bradford and Beeton Stns., G.T.R. o

16 Shorthorn Bulls

All pure Scotch, two imp. in dam, 7 from imp. sire and dam, others by imp. sire and from Scotch dams of popular families. Herd numbers 72; headed by Imp Greengill Victor, a Princess Royal; bred by W. S. Marr. Present offering also includes a number of Scotch heifers and imp. cows in calf. If you want a herd header, or cows that will produce them, write us.

R. MITCHELL & SONS,
Nelson Ont., Burlington Jct. Sta.

JERSEYS For quick buyers, we are going to sell 15 bulls and 25 females. Owing to the natural increase of our herd and so many heifers coming into milk, we make the above offer. Stock of all ages. State what you want and write to-day to H. H. BULL & SON, on C. P. R. and G. T. R., Brampton, Ont.

Special Offering in **JERSEYS**

1 cow, Zinka Nuna, 8 years old, fresh; 1 cow, Mid-day, 3 years old, fresh; 1 cow, Miss Midget, 3 years old, in calf; 1 bull not akin to cows, 18 months old; 1 bull not akin to cows, 16 months old. Special prices if taken at once, either one or more. For particulars write

W. W. EVERITT
Box 552, Chatham, Ont.

4 HOLSTEIN BULLS

For Sale: From 4 to 7 months old, having sires in their pedigrees from such strains as Inka, Netherland, Royal Aggie, and Tritonia Prince, and out of imported females that have proven their worth at the stall. THOS. B. CARLAW & SON, Warkworth.

HOLSTEIN BULLS

MAPLE GROVE offers a few very choice bulls, at right prices to quick buyers. For particulars, address H. BOLLETT, Cassel, Ont. o

BLOOD WILL TELL

Secure a son of Beryl Wayne Paul Concordia, four of whose nearest dams have official hay-butter records averaging 22 lbs. 11 ozs. each. Eight of his bull calves for sale, also two bulls fit for service.

BROWN BROS.,
Lynedale Stock Farm, LYN, ONT.

Holstein Calves of both sexes for sale. Would also sell a few choice young cows, from 2 to 5 years of age. The record of 13 cows at cheese factory for 8 months was 120,845 lbs., average per cow of 9,295 lbs. Write for prices. J. A. CASKEY, Madoc, Ont. o

In answering any advertisement on this page, kindly mention the FARMER'S ADVOCATE.