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DR. W. S. MYERS
Nitrate Propaganda
71 Nassau Street, New York

A. Edward Meyer

P. O. Box 378, Guelph, Ont.,

Breeds **SCOTCH SHORTHORNS** Exclusively. Twelve of the most noted Scotch tribes have representatives in my herd. Herd bulls; Scottish Hero (imp.) = 55042 = (90065) 295765 A. H. B.; Gloster King = 68703 = 283804 A. H. B. Young stock for sale. Long-distance phone in house.

Shorthorn Cattle

Would price my stock bull, Star Prince = 53900 =. Red. It would pay anyone wanting a bull to come and see his produce. Oldest bull I have left by him will be a year old in February. A winner in Toronto and London. Females of all ages. Some very good heifers in nice condition. All reds or good roans.
J. T. GIBSON, DENFIELD, ONT.

Scotch Shorthorns

At Toronto Exhibition this fall yearling bulls bred by us won 1st and 3rd in class and junior champion. We also bred the sire of these bulls. The grand champion steer at Guelph was sired by a bull of our breeding. We have 10 young bulls for sale now, bred the same. Write for breeding and prices.
John Miller, Brougham P. O., Ontario.
Claremont Stn., C. P. R., 3 miles.

Spring Valley Shorthorns

Herd headed by Clipper Chief (imp.) = 64220 = (94673). If you want to get an imported bull, or a good Canadian-bred one to head your herd, be sure and write, or come and see them. Long-distance telephone.
KYLE BROS., AYR P.O., ONT.

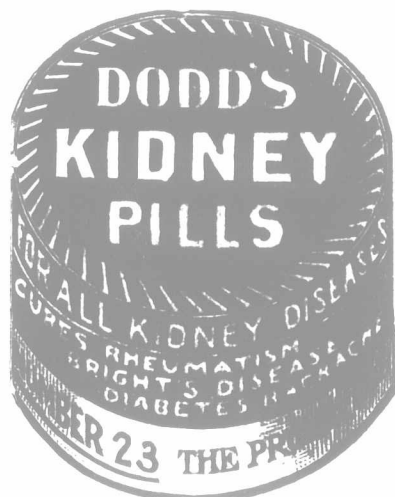
HIGH-CLASS SHORTHORNS

I have on hand young bulls and heifers of high-class show type, pure Scotch and Scotch-topped, sired by that sire of champions, Mildred's Royal. If you want a show bull or heifer, write me.
GEO. GIER, Grand Valley P.O. and station, also Waldemar station.

Geo. D. Fletcher, Binkham P.O., Ont. offers four choice Shorthorn bulls 10, 13 and 18 months old, with both breeding and quality for herd-headers. Prices easy. Stock bull, Benachie (imp.) = 69504 =; also Shorthorn females and Yorkshire sows. Erin shipping station, C. P. R.

There had again been trouble in the O'Hagan household, and O'Hagan had the word of sympathy when he next met his neighbor.

"Tis not much of a team ye make, ye and yer woiife," said O'Brien.
"An' that's where ye're wrong," said O'Hagan. "'Tis the foine team we make entirely. Me woiife pitches an' Oi catches."



QUESTIONS AND ANSWERS. Miscellaneous.

ITCHY LEGS.

Clydesdale mare, five years old, takes itch in her legs, which get scabby. She is not overfed. Kindly prescribe. What is the cause?

OLD SUBSCRIBER.

Ans.—Some horses are constitutionally predisposed to this trouble. Prevention consists in feeding lightly of grain, and giving regular exercise. Curative treatment in cold weather consists in purging with a ball made up of 6 to 8 drams aloes and 2 drams ginger; follow up with one ounce Fowler's Solution of Arsenic, twice daily, for a week.

POULTRY-HOUSING—O. A. C. REPORTS AND BULLETINS.

1. I wish to build a poultry house for 100 laying hens. Have the timber in the woods. Would like it to be cheap, practical, and up-to-date. Please advise.

2. Where can I get the latest Ontario Agricultural College reports on poultry?

3. Would the O. A. C. be a good place to get a laying strain? L. M. H.

Ans.—1. Do not build such a house at all. Construct rather a number of movable colony houses as described in our report of the recent poultry institute at Guelph.
2. For O. A. C. literature on poultry, write Prof. W. R. Graham, O. A. C., Guelph, or Department of Agriculture, Toronto.
3. Probably, if they have eggs or stock to spare. Consult our advertising columns.

FEEDING ROOTS AND MEAL.

I am feeding a herd of cows wild hay, and find it necessary to feed them grain and roots. Would you advise feeding it mixed, or separate; before watering, or after? B. C.

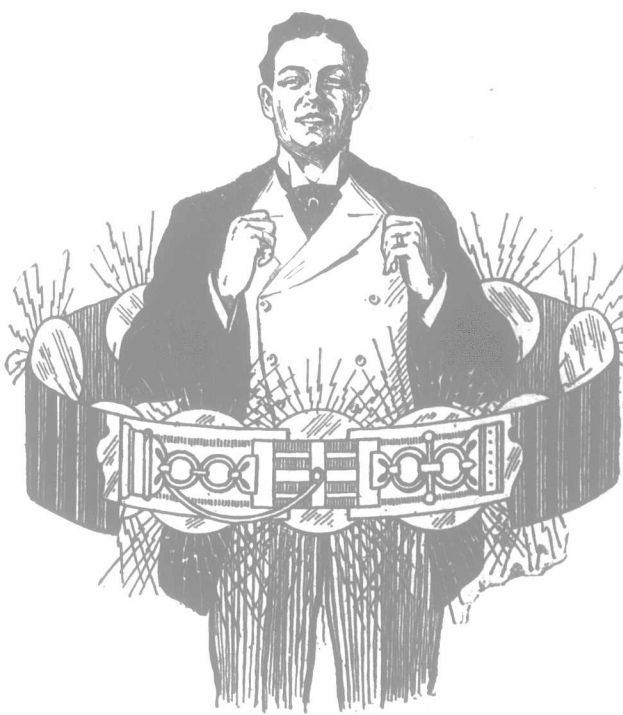
Ans.—It really does not make a great deal of difference how or when the roots and meal are fed. If you have a slicer, you might run the roots through it and throw the meal on top of them in the manger, or you might feed the roots whole, excepting the small, round ones, which might cause choking. As to time, some feed roots in the morning, first thing, and the same again at night. Others supply them at noon. The meal is better given in two or three feeds a day, and may be fed either while or after the cows eat their hay. It will not do cattle any particular harm to have their meal before going to water. Suit your convenience in these matters, only be regular and punctual.

DRAINING—SHORT OR LONG TILE DRAINS—SIZE OF TILE.

In tiling, which do you think best, to run tile from south to north, or put two main drains, and run small ones west into main drains? What size tile would be right to use, and what depth? Soil, clay loam, with no sand or gravel. Farm is 62 rods wide by 275 rods long, with ditch along north end and west side. The fall across the farm to the west is 12 or 16 inches, and lengthwise, towards the north end, about 5 or 6 feet.

Ans.—A system using long drains is better than one using short drains, because there are fewer junctions, and a junction is always a weak point in a drain. Besides, it is less trouble to lay the tile where there are few junctions than where there are many. A fall of 5 or 6 feet in 275 rods is not very large, not more than 1 1/4 or 1 1/2 inches to the hundred feet. Such being the case, it is doubtful if it would be wise to put in any 3-inch tile. We consider that for them the fall should be at least 2 inches in 100 feet. I think you should begin with 4-inch tile at the upper end, and continue them for 2,000 feet, and a 5-inch from there to the lower end. The drains should be about 3 feet deep and 4 rods apart. If you do not care to have a larger number of outlets emptying into the open ditch, you could put a large tile just two rods inside the road fence for the laterals to empty into, and bring this one main out to the road ditch at the lowest corner of your farm.
WM. H. DAY.

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Call to-day and take a Belt along, or write for one and my two valuable books on Electricity and its medical uses. Sent, sealed, free by mail.

DR. A. F. SANDEN, 140 Yonge St., Toronto, Ont.

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275 BURLINGTON SHORTHORNS 275

3 Choice Imported Scotch Shorthorn Bulls—yearlings.
1 Imported 2-year-old Bull, red—an extra sire.
10 Bulls, 9 to 16 months old—all by imported sire.
30 Choice Young Cows and Heifers—mostly bred or have Calves at foot. Long-distance telephone. Farm 1/4 mile from Burlington Jct. Sta., G. T. R.
J. F. Mitchell, Burlington, Ont.

SCOTCH SHORTHORNS—Eight extra good young bulls, from 10 to 15 months old; 20 choice cows and heifers, forward in calf or with calves at foot. Prices reasonable. Inspection invited.
W. G. PETTIT & SONS, Freeman, Ont.

Farms close to Burlington Jct., G. T. R.

INVERNESS SHORTHORNS—I can supply Shorthorns of all ages, with richest Scotch breeding and high-class individuality.
W. H. EASTERBROOK, Freeman, Ont.

Imp. Scotch Shorthorns—When looking for Shorthorns, be sure to look me up. Young bulls fit for service, and females all ages; bred in the purple, and right good ones. A. C. Pettit, Freeman, Ont.

Maple Leaf Shires, Shorthorns, Hampshire Hogs—1- and 2-yr.-old Shire stallions, females from yearling fillies up; Shorthorns, both bulls and heifers; a choice lot of young Hampshire pigs, both sexes, beautifully belted.
PORTER BROS., APPLBY P.O., BURLINGTON STA. Phone.

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IRVINE SIDE SHORTHORNS 3 bulls fit for service; 1 fifteen months' roan from imp. sire and dam; 1 thirteen months' red from imp. sire and English Lady dam; also 10 yearling and two-year-old heifers. Write us, or call and see us before buying. **J. WATT & SON, Salem P. O., Ont., Elora Sta.**