

## Small Potatoes

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## Potash

in the soil. Potash produces size and quality.

We have valuable books which explain more fully the fertilizing value of Potash.

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GERMAN KALI WORKS,  
93 Nassau St., New York.

## ABORTION

RETENTION OF PLACENTA  
and Failure to Breed  
Kellogg's Condition Powder

Is a positive cure for these diseases. Prevents scours in calves and garlic in milk. Indorsed by the Iowa Agricultural College, Ames, Ia., and hundreds of the most prominent breeders. Write for booklet giving full information, price list and testimonials. Address

H. W. Kellogg Company, Dept. V, St. Paul, Minn.

## WHEN YOU BUILD OR REPAIR

We can help you to do it cheaply and permanently with our Sheet Metal building materials. They are ornamental, durable, lightning and fire proof.

Write us about your plans and ask for our free catalogue.

The Metal Shingle & Siding Co., Limited  
PRESTON, ONT.

**Wanted at Once** A steady, sober, married man (small family preferred) to work on my farm, live in comfortable cottage and board himself. Suitable privileges and good wages will be given; should have some experience. Apply to  
J. E. MEYER, Guelph (near Guelph), Ont.

**FARNHAM OXFORDS**  
We had the champion flock of Oxfords in 1903. Importations annually. Animals of all ages and sexes, both imported and Canadian-bred, for sale at all times at reasonable prices.  
**HENRY ARKELL & SON**  
ARKELL, ONTARIO.

## "MODEL FARM" SHROPSHIRE

Everything sold that has been offered for sale. Am booking orders for rams and show flocks. August delivery. Write for prices. o

W. S. CARPENTER, PROP.,  
SIMCOE, ONTARIO.

"BROAD LEA OXFORDS."  
Am offering choice ewe and ram lambs, shearing ewes and a few shearing rams for flock headers. Also young Yorkshire pigs of the best bacon types. Teeswater, C. P. R. W. H. ARKELL, Mildmay, G. T. R. om Teeswater, Ont.

## Linden Oxfords.

Imported and home-bred stock of the choicest breeding always on hand. o

E. J. HINE, Dutton, Elgin County, Ont.

**SHROPSHIRE** shearing rams, shearing ewes, ram and ewe lambs of choice breeding. Prices right. GEO. HINDMARSH, Ailsa Craig, Ont.

## Lincoln Sheep and Shorthorn Cattle

Choice Lincoln Lambs of both sexes. Several carloads choice yearling rams and two carloads of one and two-year-old ewes, ready for Sept. and Oct. delivery. Also some choice young bulls, cows and heifers, which will make good herd foundations.

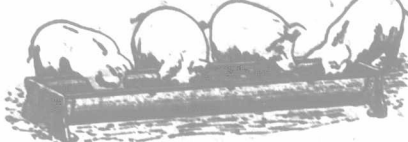
F. H. NEIL, PROP.  
Telegraph and R.R. Station, o LUCAN, ONT.

The Burford Flock of Shropshires won eleven prizes at the International. Choice yearlings and lambs, both sexes, by the famous Mansell ram, or lambs by Silver Medal ram at Toronto. 100 ewes bred to the above rams. LLOYD-JONES BROS., Burford, Ont.

## FAIRVIEW SHROPSHIRE.

Fairview is now the home of more high-class rams and ewes than ever since the flock was founded. The flock has produced more winners than any other. Twenty-three years' close experience accounts for it, with nothing but the best being always mated. Extra good values offered for summer shipments.

JOHN CAMPBELL, Fairview Farm, Woodville, Ont.



If you were sure you could buy for 60c. per foot a satisfactory hog trough good for 10 years' hard usage, you would buy quick, wouldn't you? Leal's Patent Steel Trough will fill this bill easily. Honestly made, heavy and strong, nice rounded edges. It's a winner. Money back if not as represented. Every foot guaranteed.

Get catalogue from  
WILBER S. GORDON, TWEED, ONT.

## EUROPEAN ADVERTISEMENTS

### 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: MOWBRAY HOUSE, NORFOLK ST.  
LONDON, W. C., ENGLAND.

Cables—Sheepcote, London.

## THE RIBY HERD and FLOCK

SHORTHORN OF LINCOLN CATTLE AND SHEEP

The largest of each in England. Established 150 years, with world-wide reputation both in the show ring and sale yard. Holders of the 100-guinea champion prize at Smithfield Show, London, 1902, against all breeds, and breeder of the two 1,000-guinea rams, and also the heaviest sheep at Chicago Show, 1903. Selections for sale.

Cables—Dudding, Keelby, England.

## HAMPSHIRE DOWN SHEEP.

"RESERVE" FOR CHAMPION IN THE SHORT-WOOL CLASSES, SMITHFIELD, LONDON, 1901

Splendid Mutton, Good Wool, Great Weight.

This highly valuable ENGLISH BREED OF SHEEP is unrivalled in its wonderfully early maturity and hardiness of constitution, adapted to all climates, whilst in the quality of mutton and large proportion of lean meat it is unsurpassed; and for crossing purposes with any other breed, unequalled. Full information of

JAMES E. RAWLENCE,  
Secretary HAMPSHIRE DOWN SHEEP BREEDERS' ASSOCIATION,  
SALISBURY, ENGLAND

Lincoln Longwool Sheep Breeders' Association.

## LINCOLN RAM SALES, 1904.

The 18th and 19th sales of Lincoln Longwool rams, by members, will be held in Lincoln as follows:

12th August, 400 Rams,  
2nd September, 500 Rams.

The sheep will be penned, on view, in the afternoon before each day of sale.

STEPHEN UPTON, SECRETARY,  
St. Benedict's Square, Lincoln, England.

## KENT OR ROMNEY MARSH ANNUAL RAM SALE.

The Annual Show and Sale of Kent or Romney Marsh Rams, consisting of selected specimens from the leading flocks of the breed, will be held at

Ashford, Kent, England,  
ON

Friday, Sept. 30th, 1904.

Catalogues and full information from  
W. W. CHAPMAN, Secretary of the Kent or Romney Marsh Sheep Breeders' Association, Mowbray House, Norfolk Street, Strand, London, W. C., England.

## QUESTIONS AND ANSWERS. Miscellaneous.

### FEEDING BRAN.

Which is the better way to feed bran to sheep, dry or in slop? G. R. A. M.

Ans.—Dry, under ordinary circumstances; but in mash first day after lambing.

### STABLE PLAN.

G. R. A. M., by all means have the long feed passage more than four feet wide; otherwise the plan is very good

### POISONING RATS.

Could you tell me what kind of poison to use to suffocate rats in their holes. Would it be injurious to other animals in the barn? R. W. L.

Ans.—Saturate a rag with carbon bisulphide and ram it down the hole, cover over. The gas arising from the evaporation of the liquid is heavier than air, so will not rise to injure other animals. Be careful not to handle the poison near a lighted lamp, as it is explosive.

### GROWING MANGELS.

Will you kindly state a method of growing mangels for stock feeding.

F. W. M.

Ans.—This is a crop that requires a deep, rich soil. As the seed should be sown rather early, the land should be prepared the fall before. Whether the previous crop is grain or hay, it should be plowed shallow in early fall, well worked and manured before being fall plowed, or ribbed up in drills about eighteen inches apart, and manured in winter. In the spring, give thorough cultivation with cultivator, disk, or gang plow, and rib up early in May in drills about thirty inches apart. But if the land is a light sand, it would be best to sow on the flat. Sow plenty of seed, one for every inch, or about eight pounds to the acre. If rain packs the top of the rows before the young plants are up, roll with a land roller. Cultivate early and often, and thin to about sixteen inches apart.

### SICK SHEEP.

1. Ewe seems to be all right in health, but when she draws up her cud has more than a mouthful, and some keeps dropping out.

2. Ewe took sick suddenly; weak in the hind quarters, dropped down when walking, and seemed to be puffed around the eyes, and died after four days' sickness.

3. What is the usual price charged for service for a pure-bred boar to pure-bred sows of the same breed? E. M.

Ans.—1. Examine the teeth. Sometimes a cap of one of the grinders while shedding the teeth sticks on the new teeth and does not fall off, causing difficulty in chewing. Remove the cap with small pinchers. Sometimes pieces of wood, or other substances, get lodged between the teeth or between the cheek and the teeth.

2. Only a personal examination, and probably a post-mortem, could decide the cause and nature of this trouble.

3. There is no fixed rule. It depends largely on the cost or value of the sire. We think the usual charge for high-class sires is \$2 for a pure-bred sow, and \$1 for a grade or cross-bred; but it depends what the patrons are willing to pay.

### FEEDING CALF FOR SHOW.

What is the best way to feed a pure-bred Shorthorn calf to fit him for the fall show? And how much should a calf gain per day? I have a calf that is 77 days old, and he weighs 285 lbs., or about three lbs. per day. He is running in a box stall with his mother. W. W.

Ans.—If this calf is getting only his mother's milk, she is evidently a dual-purpose or dairy Shorthorn—a heavy milker. The probability is that she will give less milk from now on, as Shorthorns generally do not keep up a large flow for more than four or five months. But the calf should be eating good clover hay, meal and roots by this time, and should have all he will eat up clean twice or three times a day of a mixture of ground oats and barley, or corn and bran, and later a little nutted, coarse, ground oil cake. He should be kept in all summer in a roomy box stall, with windows screened in fly time, and let to his mother twice a day, or she to him that he may suck. If judiciously fed, cutting and carrying green feed for him in season, the rate of three pounds per day should be kept up till he is nine months old, and possibly till he is a year old.

## Green Valley Farm



ROBERT ELLIOT, breeder of Duroc-Jersey swine. A few choice early ones for sale. Two sows due to farrow soon. Pigs furnished not akin.

Come or write. Box 41, Ormstown, Quebec.

**TAMWORTHS AND HOLSTEINS**  
Boars fit for service, sows bred and ready to breed, 20 boars and sows from 2 to 4 months; a fine lot of March pigs. Pairs not akin.

RESTRAM HOSKIN,  
Grafton Sta., G. T. R. The Gully P. O.

## GLENHOLM HERD OF TAMWORTHS

We are now booking orders for spring litters. Have 5 boars and 5 sows, 6 months old, left, and a fine lot of younger ones.

F. O. SARGENT, Edystone, Grafton Sta., G. T. R.

**TAMWORTHS**  
At living prices. Have some excellent young stock of good bacon type; both sexes. LOUIS D. BARCHFELD, Grimsby, Ont., P. O. and Station. Telephone on farm.

## LARGE YORKSHIRES

GLENBURN HERD; winners of gold medal 2 years in succession; averages 100 head. Sires at head of herd: Imp. Holywell Hewson and Oak Lodge Prior. A large number of sows for sale, due to farrow in March or April, also a few good young boars. Prices reasonable. David Barr, Jr., Renfrew, Ont. Box 3.

**Chester White Swine** between four and five months old; either sex; good bacon type. Sires and dams were prizewinners at Toronto and London fairs. Write or price. W. E. WRIGHT, Sunnyside Stock Farm, Glanworth, Ont.

**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.

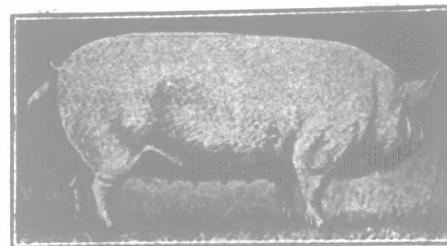
## YORKSHIRES

**FOR SALE**, from the Pioneer Herd of the province Quebec, both sexes and all ages. Satisfaction guaranteed on all mail orders. Also a few Pekin ducks and White Rock cockerels left for sale.

Railroad stations: {Athelstan, N. Y. C.  
Huntingdon, G. T. R.

Address  
A. GILMORE & SONS, Athelstan, Que.

## Improved Yorkshires



Over three hundred for sale. The last three years our herd has won ninety per cent. of the first prize at the leading shows, competing against American and Canadian breeders. We have more imported animals in our herd than all other breeders combined in Canada. We have the best blood from the leading herds in England and Scotland. Prices reasonable.

D. C. FLATT & SON, MILL GROVE, ONT.

## MAPLE LODGE BERKSHIRES.

Although leaving Willow Lodge Farm and moving to Brampton, we will still be in a position to supply the same type and breeding as usual, with some fresh blood added, and in as large numbers as ever before. Have a few young boars left, ready for service, and some fine young sows ready to be bred. Our young pig are coming in good form this spring. Am booking orders right along. Old customers, as well as new, will find me after 1st April, at Box 191, Brampton. WILLIAM WILSON, om Snelgrove, Ont.

## BERKSHIRES AND YORKSHIRES.

For Sale—Boars fit for service; sows in farrow and ready to breed, and younger stock, all of the ideal bacon type. Pairs not akin. JOHN BOYES, Jr., Rosebank Farm, om Churchill, Ont.

## FOR SALE:

**Yorkshires and Holsteins**

Best type and quality. Young stock constantly on hand. Prices right. R. HONEY, om Brickley P. O., instead of Warkworth.

**Chester White Sows** bred for March litters; also a few boars. A 15-months-old Shorthorn bull, registered. For price, etc., write to  
R. H. HARDING, Mapleview Farm, om Thorndale, Ont.

## Willow Lodge Berkshires.

I will offer very cheap for the next thirty days, young boars and sows from 2 months old up to 7 months old, of extra quality and breeding, in order to make room for the litters now with sows. Can supply pairs not akin. om  
WM. WILSON, Snelgrove, Ont.

## PINE GROVE FARM HERD OF LARGE ENGLISH YORKSHIRES.

The oldest established registered herd in America. Having sold all boars and sows that were fit for breeding, we are now booking orders for spring pigs. Having a good number of imported sows and boars, also several choice home-bred sows, we are able to mate pairs and trios not akin. Satisfaction guaranteed in all mail orders. Joseph Featherston & Son, Streetsville P. O., Ont. C. P. R. station, Streetsville; G. T. R. station, Clarkson.

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