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can be cured, not merely of the habit, but of its cause. The Arnott Institute has permanently restored natural speech to thousands—is doing it to-day. Write for full information and references to

**THE ARNOTT INSTITUTE**  
Berlin Ontario, Canada

**ABERDEEN - ANGUS CATTLE**  
For Sale—Several young bulls from the imported sire and prizewinner, "Pradamere." Address: A. Dinamore, Manager, "Grape Grange" Farm, Clarksburg, Ontario

**Beaver Hill Aberdeen - Angus**  
Choice young Bulls fit for service. Females all ages, for sale.  
Alex. McKinney,  
R. R. No. 2, Erin, Co. Wellington, Ontario

**Tweedhill Aberdeen - Angus**  
Excellent young bulls of serviceable ages. Heifers in calf, etc.,  
James Sharp, R. R. No. 1, Terra Cotta, Ont.  
C.P.R. and G.T.R., Cheltenham Station.

**ABERDEEN-ANGUS CATTLE**  
**OXFORD SHEEP**  
For Sale—good young show bulls and females also a few Oxford rams. Thos. B. Broadfoot, Fergus, Ontario. G.T.R. and C.P.R.

**Glengore Aberdeen-Angus**—We have several grandsons of the Toronto and London grand champion, Hundred, Mayflowers and Fair Ladies, of serviceable age down; also one and two-year-old heifers. A strictly high-class lot. Geo. Davis & Sons, Erin, Ont., R. R. No. 2.

## SHORTHORNS

8 bulls from 7 to 15 months, some are herd headers both in quality, size and breeding, some are thick, fleshy, sappy bulls that will get good steers, also 10 heifers and a few young cows bred on milking lines; prices easy. Write me your wants,  
STEWART M. GRAHAM,  
LINDSAY, - - - - - ONTARIO

## Oakland--61 Shorthorns

Present offering: 4 Roan bulls 10 to 12 months, 2 Reds, older; also matured cows and heifers. Mostly sired by one of the best Roan bulls in Ontario. Inspect this dual purpose, prolific herd, or write:—  
Jno. Elder & Sons, Hensall, Ontario

## Spring Valley Shorthorns

Herd headed by the two great breeding bulls Newton Ringleader (Imp.) 73783, and Nonpareil Ramsden 83422. Can supply a few of either sex.  
KYLE BROS., - - - - - DRUMBO, ONTARIO  
Phone and Telegraph via Ayr.

## 6 SHORTHORN BULLS

25 females, reds and roans, serviceable, best type and quality, size; cows milking up to 50 lbs. Prices easy. THOMAS GRAHAM  
R.R. No. 3, - - - - - Port Perry, Ont.

**1854 MAPLE LODGE STOCK FARM 1914**  
We have now for sale three young bulls, one 13 mos old and two ten months. These calves are choicely bred for both milk and beef and are good and very promising animals. Come and see them.  
MISS C. SMITH, - - - - - GLANDEBOYE, R.R. 1  
Lucan Crossing one mile east of farm.

**Fletcher's Shorthorns.** Imp. stock bull, Royal Bruce—55033—(89909) 273853, for sale or exchange. Royal Bruce is a choicely-bred Bruce Mayflower; was imported by Mr. Arthur Johnston for his own use. Young stock of either sex for sale. Geo. D. Fletcher, Erin, R.R. No. 2.  
Long-Distance Telephone. Erin Station, C.P.R.

**Spruce Lodge Shorthorns and Leicester**  
Have always on hand to offer a good selection of young bulls and heifers from the best milking families; also a choice selection of Leicesters of both sexes, including a choice imp 2-year-old ram, suitable for show purposes.  
W. A. Douglas, Caledonia, Ont., R.R. No. 2

**CEDARDALE SHORTHORNS**  
For this season we have some extra nice thick fleshed bulls. Pure Scotch and Scotch topped. Also cows and heifers.  
DR. T. S. SPROULE  
Markdale, - - - - - Ontario

**Strawberries,** 50 varieties; Raspberries, 15 varieties; Seed Potatoes, 10 varieties. Free Catalogue.  
**THE LAKEVIEW FRUIT FARM**  
H. L. McConnell & Son, Port Burwell, Ont.

## Questions and Answers.

Miscellaneous.

### Sex of Geese.

You are constantly being asked, through the medium of your "Questions and Answers," how to tell the sex of geese. In my experience, I find the easiest way is to look at the bird from behind. The belly of the male is gently round, while in the female one portion of belly hangs down and is quite loose appearing. This is particularly noticeable as the female nears the laying period, but may be told after birds are four or five months old. This different conformation may also be distinguished by touch if one has hold of the bird.  
Ontario Co. H. W.

### Hydraulic Ram.

I have a flowing well that throws 300 gallons an hour; well is 300 feet away from house, and 30 feet lower than the house. How could I pump this water to the house? Would a hydraulic ram pump it? What amount of water would the ram use? Flow is about 1½ inches. How long would a ram last?  
G. D. G.

Ans.—A hydraulic ram could be easily arranged to pump water to the house. The quantity it will deliver depends on what fall can be had from the well to the ram. This will depend somewhat on what chance there is for carrying away the waste water. If there is a fall of three feet in the drive-pipe, then the ram will deliver 20 gallons per hour at the house, that is about half a barrel. The remainder of the 300 gallons would be wasted.  
W. H. D.

### Enlarging School Site.

Some seven or eight years ago, A made a will leaving his property to his daughters, B and C. Shortly after A died. For some unexplained reason will has never been probated. On the corner of the farm left to C is a schoolhouse with half an acre of land belonging to school section. The trustees have been empowered to buy another half-acre, but so far have been unable to secure a title.

1. What steps could be taken to appropriate the land?  
2. We understand this is entailed property. Does such hold good in Canada?  
Ontario. A. D.

Ans.—1. The Board may pass a resolution declaring that the further half-acre of land is required for the enlargement of the school site, and then proceed to expropriate it pursuant to Section 5 of the School Sites Act, R. S. O., 1914, Chap. 277; and see especially Sec. 4 of the Act; also, see The Public Schools Act, R. S. O., 1914, Chap. 266, Sections 11 and 14. The Schools Sites Act makes provision for the expropriation proceedings, and deals in a general way with the difficulties you suggest.  
2. Yes; but the state of the title to the half-acre in question does not seriously affect the matter.

### Treating Dying Trees.

We have a tree here we think is badly affected with the dry rot in the heart. Would cutting away the rotting limbs do it any good? We think it is grafted enough. The fruit, as far as we can see, turns out to be decomposed before it becomes of any use. Would like to know if corruption at the root would be the cause of it. Would like an early answer, as it is under the care of the Government, and is costing the country quite a sum every year, of which we see no reason for unless the dead wood can be all cut away and it be made to bear good fruit. As far as we can see, it is past redemption, and fit only for the fire, as Bordeaux or lime and sulphur have no effect on it.  
P. J. C.

Ans.—This tree apparently requires surgical treatment. Cut away the dead and dying branches and clean out, so far as possible, all the decomposed part of the trunk. Fill in the gaps with cement mixed in the proportion of one to seven or eight, and plaster on the outside of the treated part with cement mixed one to two, or in equal parts. Paint over the stiles which remain where limbs are cut off with white lead and oil. Spray the fruit as is generally prescribed for straying operations. It is not probable that the trouble is in the root.

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No farmer, dairyman or stock-raiser can mix feeds himself that will approach the tested CALDWELL'S STOCK MEALS, even by spending twice the money. Take

## CALDWELL'S

### Cream CALF MEAL

It contains Linseed, Wheat, Oat, Corn, Locust Bean, Pea and Molasses Meal in correct proportions to give best results. We guarantee these ingredients to the Government. Analysis proves they provide PROTEIN 19 to 20%, FAT 7 to 8%, FIBRE 5%. CALDWELL'S CALF MEAL furnishes an ideal substitute for whole milk and raises just as good calves. Write for descriptive booklet.

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### DAIRY MEAL

is a high protein, complete cow ration specially planned for the production of milk. Government guaranteed—made from selected materials, carefully re-cleaned. Analysis shows PROTEIN 20%, FAT 6.3% FIBRE 10%. Will increase the milk flow and keep your herd in top-notch condition. Booklet free.

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### MOLASSES MEAL

the famous, unequalled upbuilder of cattle, horses, sheep and hogs. It contains 84% Pure Cane Molasses (Not Beet Molasses) and 16% Edible Moss. Besides its wonderful nutritive value, it has digestive and antiseptic properties that quickly benefit any animal fed with it. Cuts down feed bills and gives better results. Write for booklet.

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Choice young bulls that have won their colors. Choice cows and heifers that have done the same. Suffolk flock headers of highest quality, also shearing and ewe lambs. Come where the best is bred for your breeding stock.  
JAMES BOWMAN, GUELPH, ONTARIO

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## SUFFOLK SHEEP

**1889 --- If you want HEREFORDS --- 1915**  
Write: H. DUDLEY SMITH, "Ingleside Farm," Rural 1, Ancaster, Ont.

**1909 Canada's Champion Hereford Herd 1914**

For the above six years at the leading shows from Toronto to Edmonton my herd has maintained its supremacy as the champion herd of Canada; American and Canadian bred bulls for sale, the highest attainment of the breed; also cows and heifers.  
L. O. CLIFFORD, Oshawa, Ontario

**Escana Farm Shorthorns**—100 head in the herd, which is headed by the noted bulls, Right Sort Imp., the sire of the first-prize bull herd at 1914 Toronto National Show, and Raphael Imp., grand champion at London Western Fair 1913. For sale: 20 bull calves, 9 to 14 months old, several in show form; also 20 cows and heifers.

**MITCHELL BROS., Props., Burlington P.O., Ont.**  
JOS. MCCRUDDEN, Manager. Farm ¼ mile from Burlington, Ont.

**H. SMITH - HAY P.O., ONT.**

**12 SHORTHORN BULLS** and as many heifers for sale. Write your wants. You know the Harry Smith Standard.

**Poplar Hall Shorthorns** If you want a herd-header of the highest possible individuality and richest possible breeding, visit our farm; sired by the great Uppermill Omega, Imp.; we have C. Butterflies and Lovelys, Mar Roan Ladies and Cinderellas, from 7 to 18 months of age.  
MILLER BROS., R.R. No. 2, CLAREMONT, ONTARIO  
Claremont C.P.R. Pickering G.T.R. Greenburn C.N.R., Sta.

## PLEASANT VALLEY FARMS SHORTHORNS

Herd headed by Imp. Loyal Scot. Have for sale, 10 high-class young bulls of herd heading quality and several of the milking type. Also females of the leading families. Consult us before buying.  
Farm 11 miles east of Guelph; C. P. R. ½ mile from station.  
GEO. AMOS & SONS,  
MOFFAT, ONTARIO

## Belmont Farm Shorthorns

For Sale—a number of young bulls and heifers, also young cows sired by "Minto Marquis" with calves at foot.  
F. W. SMITH & SON,  
R.R. No. 2, - - - - - SCOTLAND, ONTARIO - Long-Distance Telephone

## SALEM STOCK FARM HOME OF THE CHAMPIONS

Special prices of Twenty Shorthorn Bulls during Winter Fair week. Many of them are good enough to head the best herds. Others big and growthy that will sire the best kind of steers. Elora is only thirteen miles from Guelph. Three Trains daily each way.  
J. A. WATT, - - - - - ELORA, ONTARIO

## HIGH-CLASS SCOTCH SHORTHORNS

We have a choice selection of richly-bred young herd headers, the thick, mellow, good doing kind. Visit our herd and make your own selection.  
RICHARDSON BROS., - - - - - COLUMBUS, ONTARIO  
Myrtle C.P.R.; Oshawa, C.N.O. and G.T.R.; Brooklyn, G.T.R. Sts.

## IRVINE DALE SHORTHORNS

Herd is headed by Gainford Select (a son of the great Gainford Marquis). A number young bulls of choice breeding and out of good milking strains. Also a few heifers.  
J. WATT & SON - Elora Station - SALEM, ONTARIO

## Woodholme Shorthorns and Clydesdales

For Sale: Eight young Shorthorn bulls of good quality and breeding, sired by Lord Gordon Imp. and other good sires, and out of good milking dams. Also a show Clydesdale stallion rising 3 years old. Farm adjoins C. P. R. station.  
G. M. FORSYTH, North Claremont, Ont.

## When Writing Please Mention Advocate