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**Aberdeen-Angus Cattle, Southdown Sheep
Collie Dogs.**

Some right good young Angus bulls and heifers for sale.
ROBT. McEWEN, - - BYRON, ONT.
Near London

OXFORD DOWN SHEEP

Shorthorn Cattle, Yorkshire Hogs—Present offering: Lambs of either sex. For prices, etc. Write to John Cousins & Sons "Buena Vista Farm," - Harriston, Ont.

Tower Farm Oxfords—A choice lot of lambs sired by Hamptonian, No. 279, imported prizewinner at the Royal; also a few yearling rams and ewes. EPHRAIM BARBOUR, - ERIN, ONTARIO

Sheep, Swine and Seed Corn—Young stock of both sexes in Dorset Horn and Shropshire Sheep, and in Swine: Poland Chinas, Duroc Jerseys, Berkshires and Chester Whites. Also Seed Corn, all varieties. Consult me before buying. Cecil Stobbs, Leamington, Ont. Phone 284. M.C.R., P.M. and Electric Ry.

Maple Grove Yorkshires

200 Head
Are as good as the best, because they combine the bloods of the following noted sires:—M. G. Champion 20102, Champion boar at Toronto, 1906; S. H. Jack, Imp. 28515, Champion boar at Toronto, 1908, 1909, 1910, and S. H. Romeo 27th, 24653, is the peer of them all.
Our brood sows, in view of the above, could not but be of a very high class, combining great size, true type, and easy feeding qualities. For Sale—20 sows in farrow, 10 boars fit for use. A grand lot of young stock. Write us today.
H. S. McDIARMID, - FINGAL, P.O., ONT
Shedden Station. L.D. Phone via St. Thomas

Morrison Tamworths and Shorthorns
Bred from the prize-winning herds of England. A choice lot of young boars fit for service and also young sows bred, and also a choice lot of young heifers and heifers sired by Proud Loyalist (Imp.); from choice cows. Chas. Currie, Morrison, Ont.

Cloverdale Large English Berkshires
Sows bred, others ready to breed; boars ready for service; 200 from six to twelve weeks old, both sexes, pairs not akin. All breeding stock Imp. or from Imp. stock. Prices reasonable.
G. J. LANG, Hampton, Ont. R. R. No. 1

Improved Yorkshires—We are booking orders for weaned pigs. Delivery about Feb. 15th. We also offer older pigs, of both sexes, at most reasonable prices. Drop us a one-cent post card, stating your requirements. Our stock is of the best imported strains.
POMONA FARM, Cobourg, Ont.

TAMWORTHS
25 young sows, bred for Spring farrow, and a few choice young boars, registered. Write for prices before buying elsewhere.
John W. Todd, R. R. No. 1, Corinth, Ont.

Pine Grove Yorkshires—Bred from prize-winning stock of England and Canada. Have a choice lot of young pigs of both sexes; pairs not akin, to offer at reasonable prices. Guaranteed satisfaction.
Joseph Featherston & Son, Streetsville, Ont.

An offering choice young stock in **White and Shorthorns**, many are winners and the produce of winners at Canada's best shows. Prices moderate. **Geo. G. Gould, R.R. 4, Essex, Ont.**

Berkshires and Jerseys—Bred from prize-winning stock on several sides, Toronto, London, and Guelph Winter Shows, 1911. Received Jerseys from heavy-billed high-bred dams. Young stock of either sex, for sale at reasonable prices. **IRA NICHOLS, Box 288, Woodstock, Ontario.**

CHESTER WHITE SWINE
For Sale—High-class young stock of Chester Whites, bred in Ontario, and shown at the M.C.R. at Toronto, 1911. Write for prices. **JOHN POLLARD, Norwich, Ont. R. R. No. 4**

Questions and Answers. Miscellaneous.

A Septic Tank on the Farm.

I am thinking of building a new house and of having a water-supply system, but do not know just how to dispose of the sewage, and would be obliged if you could give me some information through your paper. I have heard of septic tanks, but have been told that a hole dug in the ground is just as good. The lay of the land from the house is toward a creek which runs past the house, but has running water in it only a part of the time, as the main springs rise about 20 rods further down. My nearest neighbor's well is about 60 rods from here, on the same side of the creek as we are, and is higher up than we are. There are neighbors living further down the creek about half a mile who use the creek water for household purposes. Do you think a hole dug in the ground would do just as good as going to the expense of a septic tank? If so, I would like to know how deep it should be dug, how far away from the house; what size of pipes to use; how it should be covered, and any other information you think I might need? **INQUIRER.**

Ans.—Under some circumstances a cess pool might give satisfaction in a case like this, but the ground must be very porous, and the disposal of solid matters cannot be very large. It would be wise when installing a service of this kind to establish a septic tank instead of a cess pool. When one considers the amount of digging and labor with a cess pool, the cost of a septic tank is not very much more.

The two important features of a septic tank are the two compartments. The sewage from the house flows into one compartment, where the solid matter is acted upon by bacteria, which are constantly present doing their liquefying work. The solid matter is transformed into liquid, and an overflow pipe carries it over into the second compartment. In this division of the tank the valve is installed which trips when the liquid in that section reaches a certain height. The fluid flows out into a system of tile which are laid between one foot and eighteen inches below the surface of the ground. These tile are laid on the level, as any fall in them would allow the liquid to accumulate at one end and foul the earth around that one spot. When laid on the level and set loosely, the liquid percolates out between the tile and into the soil, where bacteria again transforms the constituents of the outflow into plant food, and it is used up by the vegetation growing on the surface of the soil, or it leaches away through recesses in the soil.

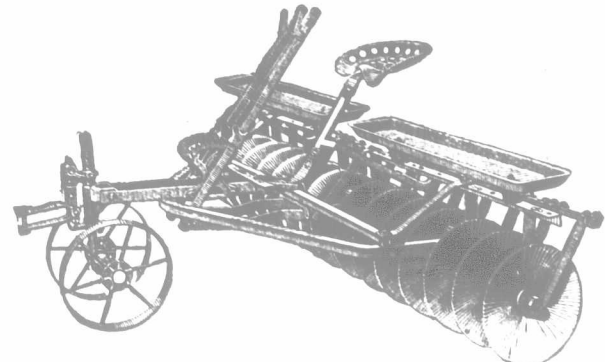
In figuring out the size of tank to use, the following rules may be followed with satisfaction: For every occupant of a private house, allow three cubic feet of space in each compartment, the valve compartment not to be more than three feet nor less than two and one-half feet deep. For every cubic foot in one compartment lay thirteen feet of four-inch field tile at right-angles to a main six-inch tile leading from the tank.

Where the tank is located near the house a ventilating flue should be carried up high enough to insure sufficient draft to draw off the odors. In some cases this has not been brought beyond the cover of the dwelling, and some undesirable odors have resulted in the dwelling, but when they were carried to a level with the ridge-board or higher, the unpleasantness was not noticed. The tank itself should be overlaid with plank, and this again covered with two or six inches of soil and allowed to grow over. It occupies little space and is very effective if properly installed.

This system is often installed with gate valves, whereby different sections of a cess pool may be closed during different periods, but an ordinary double gate with an ordinary well built tank is the one installed according to the practice previously mentioned, with a few modifications, and from this system the best results have been obtained. It is a very simple system, and one that can be installed in a few days.

For more information on this subject, or for plans, or for a list of our agents, write to **Henry J. Deering, 250 Main St., Guelph, Ont.** or to **John Cousins & Sons, 100 Main St., Toronto, Ont.** or to **John Pollard, Norwich, Ont.**

Deering Tillage Implements



GIVE a Deering disk harrow a chance to show how much it will add to your profits, and you'll never again be without one.

seed beds prepared with Deering disk harrows was almost normal.
The disk harrow does what no other tool will do. It is a moisture conserver as well as a soil pulverizer and mulch maker. The Deering disk is built to do all this work as it should be done. The Deering is a bumper type harrow with a rigid one-piece main frame, which, with the adjustable snubbing blocks, holds the gangs to their work and keeps them level in all kinds of soil. The disks are designed both to penetrate and pulverize—a combination you will appreciate if you have never before used a Deering disk harrow and they cannot work loose.

The Deering tillage line, which includes disk harrows, peg-tooth and smoothing harrows, drills and cultivators, is handled in your neighborhood by a Deering local agent who will show you all the good features of the line. See the Deering line before you buy, or write to the nearest branch house for catalogue and full information.



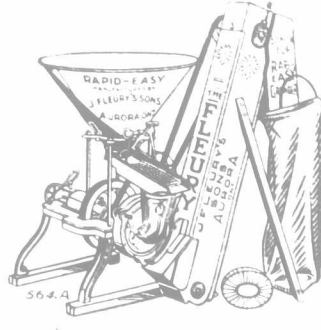
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We are making a Special Offer for 30 days of 50 fine registered ram to lamb in April. Also 50 ram lambs and fellows for flock-heads. Also a few nice ewe lambs, and C.P.R., Guelph and Arkell. Phone: Guelph, 240 ring 2.
Henry Arkell & Son, Route 2, Guelph, Ont.

Shropshires and Cotswolds

Now for sale—100 shrewing rams, 100 very fine lot of lambs, every later of any kind. Imported ewes. Will be pleased to book or deliver. **JOHN MILLER, R.R. No. 2, CLAREMONT, Ont.** **Greenburt Station, C.P.R. 4 P.M.** **Pickering Station, G.T.R., 7 miles** **Greenburt Station, C.N.R.**

NEWCASTLE TAMWORTH AND SHORTHORN
Boars and sows all ages, sows bred, others ready to breed, all descendants of Imp. and Championable Stock. Several choice young heifers from 10 to 16 months old and a few calves recently dropped at reasonable prices.
A. A. COLWILL, - (Long Distance Phone) - NEWCASTLE, ONT.

ELMHURST LARGE ENGLISH BERKSHIRES
From our recent importation of sows, together with the stock boar Sulton Torredon we can supply select breeding stock, all ages. Satisfaction and safe delivery guaranteed.
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Langford Station on Brantford and Hamilton Radial.

DUROC JERSEY SWINE, JERSEY CATTLE
In Duroc Jerseys we have either sex of any desired age, bred from winners and champions for generations back. In Jerseys we have young cows in calf, and young bulls, high in quality and high in producing blood.
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LARGE WHITE YORKSHIRES Have a choice lot of sows in pig. Boars ready for service and young pigs of both sexes supplied not akin at reasonable prices. All breeding stock imported or from imported stock from the best British herds. Write or call **H. J. Davis, Woodstock, Ont. Long-distance phone. C.P.R., G.T.R.**

Woodburn Stock Farms
We are offering for immediate sale; 25 choice boars ready for service, 25 young sows bred. These are of first quality from our prize-winning herd.
E. BRIEN & SONS, Proprietors - RIDGETOWN, ONTARIO

BERKSHIRES My Berkshires for many years have won the leading prizes at Toronto, London and Guelph Highcleres and Sallys the best strain of the breed, both sexes, any age.
ADAM THOMPSON, R.R. No. 1, STRATFORD, ONT.
SHAKESPEARE STATION, G.T.R.