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Agricultural Lime

Mr. Farmer: Are your lands yielding the crops you should expect? How about your clover and alfalfa crops, are they a disappointment each succeeding year? If so, your land needs Lime, and it needs our Agricultural Lime. Write for prices and further information to

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POULTRY FEEDS
SEED POTATOES
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Write for prices.

CRAMPSEY & KELLY
Dovercourt Rd., Toronto, Ont.

Marston, Tamworths and Shorthorns, bred from the prize-winning herds of England. Choice Gameworths, both sexes, all ages. 150 head to house. Choice Shorthorns. 3 extra fine sires. 100 head, 8 months old, dandies, also 100 head of the same strain.

CHAS. CURRIE, Marston, Ont.

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Questions and Answers. Miscellaneous.

Trespassing Bull.

1. A and P. have adjoining farms. A's pure-bred Bull while out for water at noon hour breaks over and gets with B's heifer. Can B collect damages whether B's heifer gets with calf or not?

2. If so, if a year has expired and B has not claimed damages can he do so then, or how long after?

Ontario. OLD SUBSCRIBER.

Ans.—1. B has a right of action for the damages, if any. He might have difficulty in proving damage.

2. Yes; he would have at least another year.

Harvesting Mangel Seed.

Will you let me know, through the columns of your valuable paper, how to harvest, thresh and clean mangel seed?

SUBSCRIBER.

Ans.—When growing mangel seed in a small way the seed may be stripped from the plants. As the seed does not mature uniformly, the ripe seeds may be gathered early in September, then later in the month the late-maturing seeds may be gathered. When growing seed on a commercial basis the plants are usually cut when about two-thirds of the seeds are turned brown. The plants may be placed in small stooks, and when dry may be threshed with the ordinary grain thresher. The ordinary fanning mill can be used for cleaning the seed. It is important to collect the seed before it is injured by frost. Two or three degrees of frost will injure the germination.

Cement Floor For Hog Pen.

1. How much cement, sand and stone or gravel will be required to floor a log hog-pen 15½ feet by 16 feet 8 inches? Sleeping apartment to be 6 x 6 feet, raised 6 inches above floor, with 2-foot wall on four sides. Wall to be 5 inches thick. There will also be a wall 6 inches high, for both sides of trough and around either way to sleeping apartment. The total distance from trough to sleeping apartment either way will be 32 feet with-out wall or trough.

2. What proportion of cement, sand and stone will we use, or, in using gravel instead of coarse sand, what will be the proportion of each?

3. The land has a slight slope and is more or less springy. How should stone be put in to allow of as free circulation of water as possible? The distance is too far and means insufficient to do both concrete work and laying tile.

4. Have seen hog-pens made of cement and gravel, that were rooted out. Will you please state your opinion as to what was the matter with concrete?

C. M. T.

Ans.—1. A layer of stone may be put in as a bottom for the concrete. About 3½ cubic yards of gravel and sand and 3 barrels of cement will be required for the floor. The sleeping apartment, walls and troughs will require about 2 cubic yards of gravel and sand, and 1½ barrels of cement. It would not be advisable to use stone in a five-inch wall or in a 4-inch floor.

2. One part cement to 8 parts sand and gravel mixed. If gravel contains a large per cent. of sand, no extra sand need be added. If sand alone were used the proportions should be stronger. Screened gravel or coarse sand may be used for making the troughs. One part cement to 2½ parts sand could be used for this.

3. If a stone drain is made in a trench would have to be dug and stone laid to form a space for the water to run in. The stones should be laid by the bottom and a kind of an arch made. Above the arch, slaking the bottom for the stone drain and laying the stones is, certainly, a better plan than the one suggested.

4. The concrete was probably made of poor quality materials, or it was not properly mixed, or it was not properly cured.

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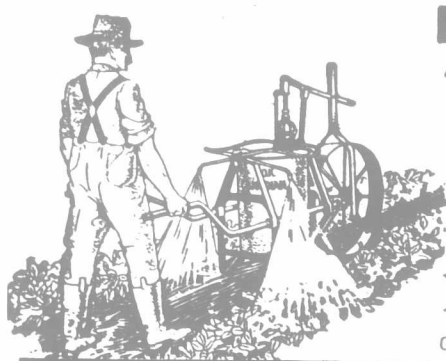
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The Handiest Spraying Outfit

NOTHING else on the market meets the needs of the farmer or gardener so completely. It is constructed entirely of metal, ensuring long service. All parts of the pump in contact with the liquid are made of brass. The

OK CANADIAN

ONE-MAN SPRAYER—Wheelbarrow Type

is certainly a gem of an outfit. For spraying field crops, the pump is worked automatically by the wheel and will thoroughly coat two rows on each trip. The nozzles are adjustable for wide or narrow rows and high or low vines. It has a 10-gallon tank, and will handle any liquid spraying mixture. This outfit can be instantly adjusted for spraying trees, shrubbery, hedges, etc., by hand pumping. It can also be used for window washing, buggy washing, white-washing and fire protection. You will certainly appreciate the value of this compact little machine. Write for literature, information on spraying mixtures, etc. Mail the coupon to-day.

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PETER ARKELL & SONS, Proprietors, Teeswater, Ont.

Customers, beware of imitations of this advertisement.

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We breed and import reg. Oxfords. Rams and ewes in any quantity for sale—recorded. Positively no grades registered as pure-breeds; also no grades hand except by order.

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Shropshires and Cotswolds for Sale—Yearling rams and yearling ewes, a few of ram heads from imported ewes. Prices very reasonable.

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Lynnmore Stock Farm
Our present offering is young breeding Berkshires, both sexes and any desired age, sire and dams imported, high class in type and quality and priced right. Also one 1 year old imported dam, bred Shorthorn bull with official backing for generations back.

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Maplehurst Herd of Tamworth Swine, S. C. W. Leghorns and White Rocks—This herd has won about 9 per cent of the prizes offered in the last ten years at the Canadian National, Toronto, Ottawa, London and the London Winter Fair.

D. DOUGLAS & SONS, R.R. No. 4, Mitchell, Ont.

BERKSHIRES
My Berkshires for many years have won the leading prize 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, Ontario
Shakespeare Station, G. T. R.

Newcastle Tamworths and Shorthorns
Boars ready for service. May, June and July, we are ready to breed; both sexes ready to wean. All descendants of line and 100 head of purebred stock. Several extra choice young bull and heifer calves, recently dropped, grand milkers, 100 head seven months old, several extra choice young cows with calves. Also 100 head of purebred stock. Prices reasonable.

A. A. COLWILL, Newcastle, Ont.

ECMHURST LARGE ENGLISH BERKSHIRES
Facing the importation of sows, together with the stock boar, Suddon Torred, we are ready to breed; both sexes ready to wean. All descendants of line and 100 head of purebred stock. Several extra choice young bull and heifer calves, recently dropped, grand milkers, 100 head seven months old, several extra choice young cows with calves. Also 100 head of purebred stock. Prices reasonable.

YORKSHIRES
Our offering never better. Champion hog winner of 12 fairs, 5 championships, 2 years growing, still at the head. Boars and sows all ages, same breed.

WOODVILLE, ONTARIO
In Duroc Jerseys we have elite sex of all desired age, bred from winners of championships, 2 years growing, still at the head. Boars and sows all ages, same breed.

MAC CAMPBELL & SONS, Northwood, Ont.

Cloverdale Large English Berkshires!
This is a first class herd, boars ready for service, younger stock, both sexes, not akin to the common breed. Prices reasonable.

C. J. Lang, Burketon, Ont. R.R. 3

Strawbe:

We are the only ones on the north have a large bearing plants. on our farm.

Wm. W.