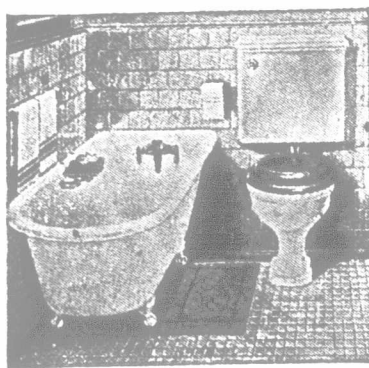
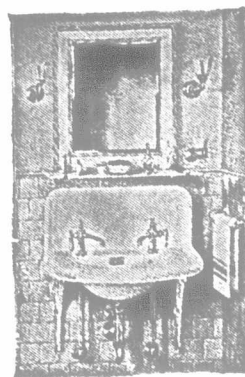


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Our herd of Scotch Shorthorns represents Orange Blossoms, Kilblean Beauties, Matchless Mysies, Missies, Clementinas, etc., and is headed by the Watt-Stamford bull, Victor Stamford = 95959 =, a Toronto winner. Present offering—one roan Orange Blossom bull, 12 months old (a show animal) also younger bulls and several choice cows and heifers.  
Geo. D. Fletcher, Erin, Ont., R. R. 1, Erin Sta., C. P. R., L.-D. Phone.

## MEADOW LAWN SHORTHORNS

We are offering 3 extra choice Scotch bulls, belonging to the Claret and Roan Lady families. Low set, thick, fleshy fellows by that great sire, Escana Ringleader, first-prize bull at Toronto and London Fairs. Write your wants or come and see them. F. W. EWING, R. R. No. 1, Elora, Ont.

## Welland District Shorthorn Breeders' Club

are still offering young bulls of serviceable age, and a few breeding females.  
Chas. Gainer, Secretary, Box 607, Welland, Ont. A. E. Howell, President, Fenwick, Ont.

## The Hawthorne Shorthorns and Leicesters

Heifers and cows with calves, and a few bulls. 1 extra good shearling ram, and ram lambs, and several real good grade ewes. Yorkshire sows.  
Allan B. Mann R. R. 4, Peterborough, Ont.

## OAKLAND--50 SHORTHORNS

A herd of feeders, breeders and milkers that give satisfaction wherever they go. One bull for sale, 12 months, white, extra milk strain. Also females, any age. Priced so you can buy. One of the finest bulls in Ontario leads this herd.  
JNO. ELDER & SON, Hensall, Ontario

stubble, or tops of crops, a second crop of clover, rye, buckwheat, strawy manure, anything of a plant nature that may be plowed into the soil. The demonstration showed that humus binds together sandy soil and opens up heavy clay soil. It gives the soil power to catch and hold water, of which the growing crop requires a large quantity. Humus enables the soil to catch and hold much plant food which becomes available before the plant can use it. Humus also forms the home and food of the myriads of small life known as soil bacteria at work in the soil.

The important plant foods are nitrogen, phosphoric acid and potash. These are not the only things that the crops use, but they are the kinds of plant food that are generally showing deficiency in the soil. Nitrogen is the stalk or vine grower. Phosphoric acid is the plant ripener, and potash is the plant-strengthenener and starch-former. The exhibit explained the variations of these plant foods found in the normal types of soil. It also showed that various crops require characteristic amounts of these plant foods.

The value of manure as a carrier of plant food, was very clearly illustrated, and it was pointed out that for grain crops manure should be supplemented by bone-meal or acid phosphate, since it is characteristically weak in the plant-ripening. Suitable attention was given to a discussion of the carriers of nitrogen, phosphoric acid and potash in fertilizers. The Canadian fertilizer law requires the manufacturer to record the analysis and composition of each of the brands or different analysis of fertilizers that he puts out. This is not only of enormous benefit to the farmer, but enables the manufacturer to guarantee a stable and correct product.

The demonstrators of the exhibit very clearly pointed out that fertilizers should be bought on the basis of their analysis, having in mind the characteristic weakness of the soil, and the special needs of the crop. Good illustrations of profitable results obtained by the judicious use of fertilizers completed this very interesting exhibit.

H. G. B.

### Questions and Answers.

1st—Questions asked by bona-fide subscribers to "The Farmer's Advocate" are answered in this department free.  
2nd—Questions should be clearly stated and plainly written on one side of the paper only, and must be accompanied by the full name and address of the writer.

3rd—In veterinary questions, the symptoms especially must be fully and clearly stated, otherwise satisfactory replies cannot be given.  
4th—When a reply by mail is required to urgent veterinary or legal enquiries, \$1.00 must be enclosed.

### Miscellaneous.

#### Night-Flowering Catch Fly.

What is the name of the enclosed plant?  
N. A. W.

Ans.—The plant received at this office was rather difficult to identify owing to the specimen being small and badly broken up. The specimen closely resembles the Night-Flowering Catch-Fly, a weed which is quite common in some districts.

#### Hay for Lambs.

How many lambs will seven tons of hay feed? The lambs average about 70 pounds when going into the feeding pen and will be fed five months.  
A. S.

Ans.—Provided the lambs are getting some other feed the seven tons should be sufficient for about 40 lambs. Two pounds of hay per day would be good feeding.

A year or so ago considerable attention was attracted to a remarkable book, said by its author, Mrs. John Curran of St. Louis, to have been dictated to her on the ouija board by a spirit who called herself Patience Worth. A second book entitled, "The Sorry Tale", through the same agency, quickly followed, and received an extensive sale in the United States. Now a third one, purporting to have come to two women, also of St. Louis, Miss Emily Grant Hutchings and Mrs. Lola Hays, has made its appearance, the dictating spirit claiming to be Mark Twain himself. However its origin, the novel, which is called "Jap Heron", is said to bear all the traces of Mark Twain's style and humor. So says no less an authority than *The Bookman*.

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Thomas Gra