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Go into the contract ditching business. Every farmer needs ditches, the field is big and wide open. And it's waiting for you now. All you need is a

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You won't have to hustle for work. It will actually come to you. For the Buckeye is known every where. The farmers right in your neighborhood know what it can do—how clean, fast and true it digs drainage ditches. They'll readily let you dig their ditches rather than employ slow hand labor.

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**THE BUCKEYE TRACTION DITCHER CO.**  
Findlay, Ohio.

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**For Milk Increases**

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For Sale Cement, Sewer Pipe & Drains TILE, all sizes. Counties and Townships send in your orders to JOY & SON, Napanee, Ontario Agents for Acme Tile Machines and Silo Block Machines.

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Brilliant's Golden Lad —1033—, C. J. C. C., son of Brilliant's Golden Fern —610—, 3½ years old; quiet and gentle to handle, but a good worker and sure stock-getter. My only reason for selling being that I have too many of his heifers coming of breeding age. Price \$50 f.o.b. St. Mary's Stn., Ont.

WM. CADE, Rannock, Ont.

**Improved Early Ohio** White heavy cropper; quality extra; choice seed \$2 per bushel. P. N. Haight, Box 124, St Thomas, Ont.

## Questions and Answers.

Miscellaneous 1111

### Cement for Wall and Floor.

How many barrels of cement and cords of gravel are required for a wall 40 x 60 ft. x 8 ft. high, and 10 inches thick, mixed 1 to 7 or 8. This is for a foundation for a new barn. Also state the amount of cement that should be used for the floor, four inches thick.

W. O.

Ans.—Mixing 1 to 8, it would require between 15 and 16 barrels of cement, and about 4 cords of gravel. The floor would require about 25 barrels of cement, and between 6 and 7 cords of gravel.

### Ration for Cows—Cloves for Scours.

Having silage and oat chop, but not any hay nor roots, what grains would I need to use for a satisfactory flow of milk?

Having read about remedies for scours in calves, I will give you my cure, which has proven successful. Give calf a teaspoonful of ground cloves. One dose is enough.

N. F.

Ans.—It would likely pay you to buy a little clover or alfalfa hay to feed with the silage. Then give each cow a daily ration of one pound of oat chop for each three or four pounds of milk that she yields per day. If you cannot well procure hay, but must use straw as the only dry roughage, we would recommend purchasing some nitrogenous concentrate, such as oil cake or gluten meal, and mixing with the oats in proportion of about one to four. Use this mixture in the same ratio as prescribed for the clear oats. Do not think of compelling your cattle to get along with no roughage but silage. Always include some dry and non-acid forage in the ration.

### White Diarrhoea—Chicken Feathers—Absence of Oestrus.

1. Would you kindly give a remedy, through your valuable paper, for white diarrhea in baby chicks?  
2. Can you inform me of any firm in Toronto that buys chicken feathers?  
3. Cow fails to breed. Is there any cure for it?

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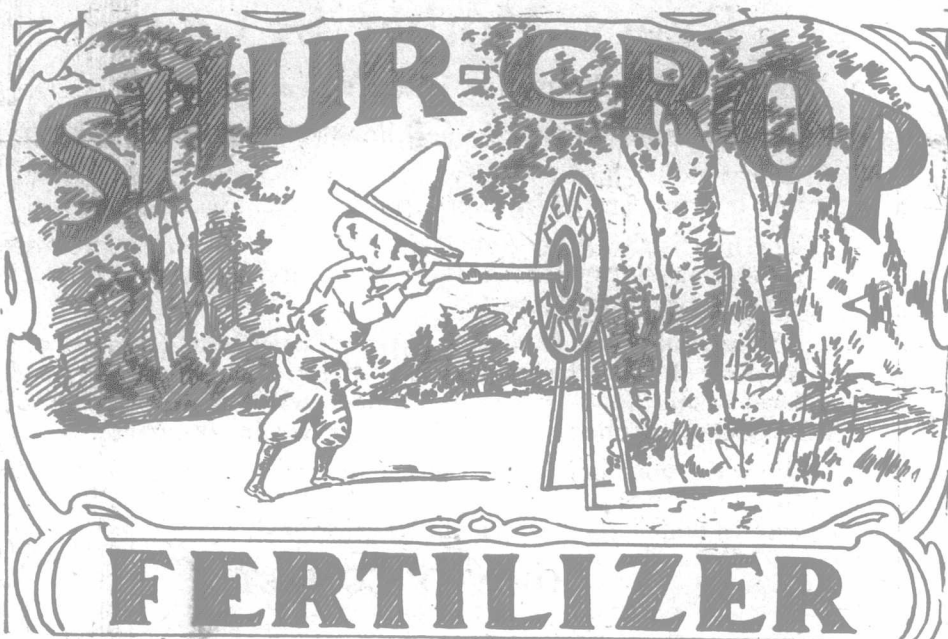
Ans.—1. The only cure is prevention. Feed cracked wheat or wheat screenings, and corn, shorts and bran, wet with skim milk or buttermilk. Give plenty of green feed.

2. We do not know any.  
3. There are many causes of sterility. If it is due to a disease of the ovaries, nothing can be done. The most common removable cause is closure of the opening of the neck of the womb. It is also claimed that bacteria in the vagina is a common cause, and that the "yeast" treatment will effect a cure. This consists in pouring a little warm water on an ordinary yeast cake, allowing it to stand for about 24 hours, and then adding water to make a quart, allowing this to stand another 24 hours, and injecting this into the vagina about an hour before service. When the cow shows oestrus, have the neck of the womb examined. If the neck of the womb be closed, the operator should open it. After opening this, inject the solution and breed in about an hour.

### Trade Topic.

The association of the Cunard Line with the Dominion of Canada, dates from the inauguration of the line in 1840. Samuel Cunard, the founder of the Line, was a Nova Scotian. When the Line first started, Halifax was a port of call, but after nineteen years, it was abandoned for fifty-two years, until, in 1911, Cunard liners again commenced to call at Halifax. To meet the needs of immigration, a new liner has just been completed, and was launched at Greenock, Glasgow, Saturday, March 27th. She is the latest example of a one-cabin type of steamer—second-cabin—and third class, and is called the Andania. She has accommodation for 2,140 passengers—520 second cabin, and 1,620 third class. The new ship in the Cunard Canadian service will add to the prestige of the line.

# GUNNS



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At the Commercial Hotel Stables, ORANGEVILLE, ONT., on

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