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YOU can easily start, this spring, in the profitable business of contract ditching for tile drainage.

BUCKEYE TRACTION DITCHER

For All Soil Conditions

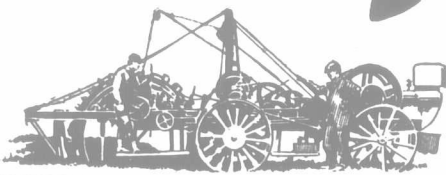
Every Buckeye owner is making money—and there are hundreds of them. A reasonable down payment secures the machine. Besides a comfortable living you can pay the balance out of your earnings in a few months.

Write today for Catalogue T and new terms.

The Buckeye Traction Ditcher Co.

FINDLAY, OHIO

Makers also of
Buckeye Open Ditchers
Trench Excavators
and Tractors



IRON AGE
Frequent Cultivation makes better crops and bigger profits.

Riding Cultivators have that accuracy and ease of control that fits every condition of soil and growth of plants. Everything is at your finger tips—easily shifted, adjustable for all kinds of work. Lever controlling width of cultivation does not change angle of teeth—very important. Steel frame. Guided by ball-bearing pivot wheels, excellent for hill-side work. Parallel gang shift, high and low wheels, dust-proof bearings, etc. One or two row.

Ask your dealer to show them and write us for free booklet, "Two Horse Riding and Walking Cultivators."

The Bateman-Wilkinson Co., Limited, 67 Symington Ave., Toronto, Can.

Methylene Blue for Infectious Abortion

This is the remedy made famous by the continued tests at the Vermont Agr. Exp. Station and now recognized by other colleges and by breeders and dairymen generally as the only reliable remedy.

USE BLUETTS
Bluetts are Methylene Blue Tablets, scientifically prepared, for easy, safe and certain treatment according to the Vermont recommendations. Not sold at retail. Can be obtained only from us. Write for full information and prices.

THE BLUETTS COMPANY
41 Tenney Block, Madison, Wisconsin

Lakeside Ayrshires

The herd is headed by the well-known Auchenbraun Seafoam (Imp.) = 35755. A few young bulls for sale from Record of Performance dams, imported and home-bred.

Geo. H. Montgomery, Proprietor
Dominion Express Building, Montreal.
D. McArthur, Manager, Philipsburg, Que.

High-Class Ayrshires If you are richly-bred young bull out of a 50 lb. a-day and over cow, imported or Canadian-bred dam or sire, write me. Females all ages. Prices are easy.
D. A. MacFarlane, Kelso, Quebec.

Good registered Jersey Bull 1 year old, sure and quick; dam Maid of Dentonia, No. 4014. Highest scoring Jersey cow at Guelph, 1913. Price low.
IRA NICHOLS, Box 988, Woodstock, Ontario

Please mention "The Farmer's Advocate."

Questions and Answers. Miscellaneous.

Blackleg and Vaccine.

1. How long are cattle rendered immune from blackleg by vaccination?
2. After what age are cattle generally considered immune?
3. Will cattle take it that have been vaccinated?

D. D. W.

Ans.—It is generally considered that immunization may last for eighteen months.

2. Cases of the disease affecting cattle over two years of age are seldom reported. However, a two-year-old is not considered absolutely immune.

3. Yes. Animals vaccinated before six months of age, or animals in infected districts, should be re-vaccinated before the season recurs.

Eggs in Lime—Paper Bands.

1. I have put 100 eggs in lime, and now am told that they will be no good. One reason given is that Canadian lime gives them a bad flavor; another, that it does not keep them. Do you know anything against this lime, and would you advise me to do any more this way? In England I have had eggs in lime nearly two years and quite good, but I always use salt and cream of tartar with the lime. Is lime good for this purpose after being exposed to the air some months?

2. Can you tell me where to obtain paper dirt bands? They were mentioned in an article in your paper, for use when potting tomato plants.

ANXIOUS.

Ans.—1. It is not stated whether the eggs are put in lime or lime water. I would not expect them to keep very well in lime, but lime water is used extensively as an egg preservative, and with good results in many cases. I do not know that the Canadian lime is inferior to any other for this purpose. Ordinarily it is advisable to cover over the lime water with a slight coating of sweet oil, but this is not necessary when salt and cream of tartar are used. It is generally advisable to use good, fresh-slaked lime from which to make the lime water.

2. You might make them yourself. Firms should advertise these bands in our columns.

A. C. M.

Value of Skim Milk and Whey—Time to Sow Peas.

1. How many pounds of skim milk are equal to 100 pounds of grain, say barley, at 75 cents per bushel?

2. What is the actual value of skim milk per cwt. for feeding?

3. Is there any value in sour whey?

4. What time should peas be sown, early or late, to escape the fly?

R. P.

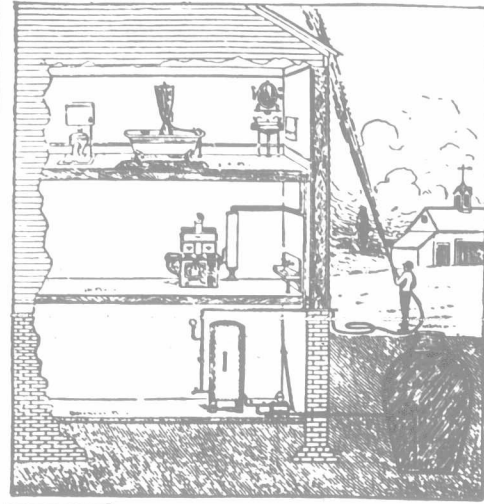
Ans.—1 and 2. The value of skim milk depends upon the quantity of milk fed in conjunction with grain. When mixed grains are worth \$1 per cwt., skim milk fed in the following quantities per day is worth as follows per cwt.:

- 2 lbs. per day, 54 cents per cwt.
- 3 lbs. per day, 31 cents per cwt.
- 5.4 lbs. per day, 18.6 cents per cwt.
- 15.7 lbs. per day, 13.6 cents per cwt.
- 17.1 lbs. per day, 11.33 cents per cwt.

As an average of many experiments, it was considered that 542 lbs. of skim milk equaled 100 lbs. of meal, and other results indicate that 600 lbs. of milk may be considered equivalent to 100 lbs. of rye or barley meal. Whatever barley or other grain may have as a market value, skim milk will have a corresponding value per cwt.

3. Whey also has a high feeding value when fed in conjunction with a liberal grain ration. Prof. Day found that when feeding about 2 lbs. of whey to 1 lb. of grain, from 750 to 800 lbs. of whey effected a saving of 100 lbs. of grain. There is nothing against sour whey if it has been soured in clean vessels. This matter is discussed in the Live Stock Department of "The Farmer's Advocate" in the issue of March 25.

4. Our querist does not make it clear whether the weevil or the pea-louse is causing the trouble. In any case the early seeding is to be recommended. The weevil should be destroyed in the seed by fumigating with carbon bisulphide.



We can furnish you with an apparatus at a price that will surprise you.

Write us to-day and let us help you solve your water supply problem.

Empire Mfg. Co.
Limited
East London Ontario

Water on Tap in Every Part of Your House or Barn!

THAT gives you city convenience and city safety. Makes life better and healthier, gives you fire protection, simplifies stock watering and work in general.

Outfit illustrated is our pneumatic water supply system. It has a powerful hand power pump that gives strong pressure to any part of the house. Connections to kitchen range give ample hot water supply. Is very moderate in price. We make the

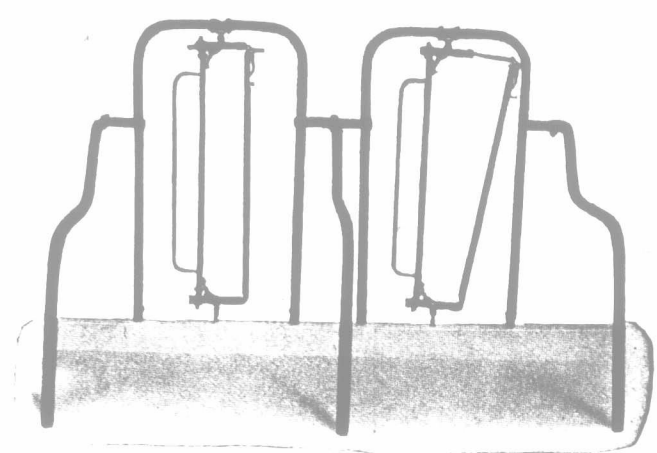
EMPIRE Water Supply System

in many styles and sizes to operate by hand, windmill, gasoline or electricity. Will supply air and water simultaneously, water alone or air alone.

System A:—Hand Operated



Cow Stalls That Are Different



These Stanchions and Stalls are in a class by themselves, both having features not to be found in any other make in Canada.

EACH STALL IS COMPLETE IN ITSELF.

You can install one or one hundred. No top rail being used, we get rid of the loud rattle and clang of the other makes. Our's being absolutely noiseless. Our Stanchion will fit the

largest cow, and can be adjusted for a calf. Has what we call the Positive Lock Attachment, which guards against animals getting loose.

Write for catalogue and prices, and nearest agent to

M. T. Buchanan & Company, Ingersoll, Ont.

Manufacturers of Haying Tools, Cow Stalls, Water Bowls, etc.

"Nothing Wrong With This Fellow"

Just imagine what a fine thing it is to be able to say that of every sheep in your flock. By mixing a little of

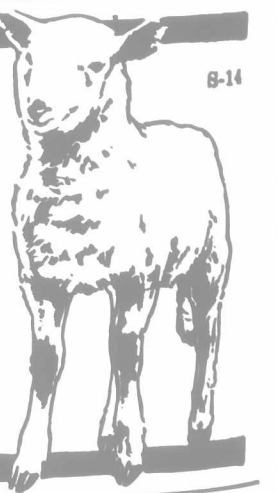
Pratts' Animal Regulator

in the food every day, your sheep are kept healthy and their meat and wool are improved. It is a regulator and mild tonic composed of pure medicinal roots, herbs and barks that act directly on the digestive organs, causing the perfect digestion of food.

"Your money back if not satisfied."

Pratts' Sheep Dip and Disinfectant cures sheep of ticks, scab, and foot rot and other diseases. It is non-poisonous and beneficial to the wool. At your dealer's, \$1.50 a gallon.

PRATT FOOD CO. OF CANADA, LIMITED
Dept. 1 Toronto



A YRSHIRES

A few choice young bulls for sale, from one week to one year old, from high producing dams. Old Homestead Stock Farm, Waterloo, Que. Address—

EDWARD GOODWILL, 119 St. Mathew St., MONTREAL

CITY VIEW AYRSHIRES

Every cow in this herd has a record. All young stock are from R. O. P. cows, and by bulls from Record Dams. Bull calves come and see. **JAMES BEGG & SON, R. R. 1, St. Thomas, Ont.** 1/2 mile west of city limits

Brampton Jerseys

We are busy. Sales were never more abundant. Our cows on yearly test never did better. We have some bulls for sale from Record of Performance cows. These bulls are fit for any show ring.

B. H. BULL & SON,

BRAMPTON, ONTARIO

DON JERSEYS

With \$1 head to select from we can spare 5 mature cows, 2 yearling heifers in calf, sired by Fontaine Boyle and bred to Eminent Royal Fern, 4 yearling heifers not bred, and 1 yearling bull besides a number of 6 months heifers. We never offered a better lot. **D. Duncan & Son, Todmorden, R.R. No. 1, Duncan Sta. C.N.O.**