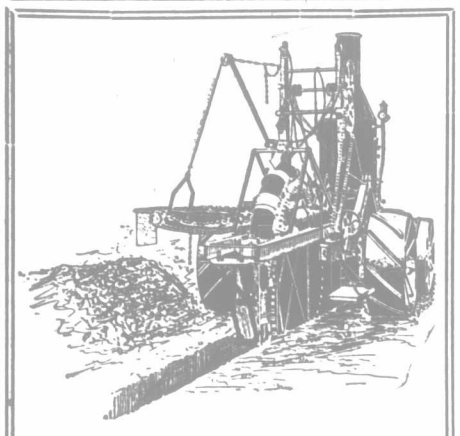
The Engine That Anyone Can Run

Avoid engine difficulties that only an expert can solve, by buying the simple, strong, steady

STICKNEY
GASOLINE ENGINE

Most dependable, easiest to run, for all farm purposes. Write for our free book about it.

Ontario Wind Engine & Pump Co.
Limited
Winnipeg
TORONTO
Calgary



Put Your Savings Into a
"BUCKEYE"
DITCHER

MONEY invested in one of these steam or gasoline traction ditchers brings big returns.

Owners of "BUCKEYE" DITCHERS are making from $15 to $18 a day, nine to ten months during the year, digging ditches for farmers.

Every farm-owner wants machine-made trenches, because they are perfect to grade, better and cheaper than hand-made ditches.

You can keep a gasoline or steam power 'BUCKEYE' busy ten hours every day competing contracts, which are easy to secure.

Send for Catalogue T, which tells what farmers and others are making with one of these machines. You can test the machine three days on your own land without cost to you.

The Buckeye Traction Ditcher Company
FINDLAY, OHIO

Holstein Bulls for sale Springbank farm is offering two choicely bred Holstein bulls for sale at reasonable prices. For particulars write to: **Wm. Barnet & Sons, Living Springs P. O., Ont.** Terms station, C. P. R and G. T. R.

QUESTIONS AND ANSWERS.
Miscellaneous.

GUM—FIRMS—ENGINE VS. WINDMILL.

1. What are the names of some of the cement manufacturing firms who did not enter the merger?

2. Is chewing of good gums, such as Spearmint or Red Jacket, etc., injurious in any way to health, or is it beneficial, as the advertisers claim?

3. Kindly acquaint me with the names of some firms or establishments who would buy a considerable quantity of beans, also honey.

4. Which would you advise me to purchase for farm work, pumping included, a power windmill or gasoline engine?

E. G. L.

Ans.—1. Write the Provincial Secretary, Parliament Buildings, Toronto.

2. Chewing gum, or any substance, stimulates the flow of saliva, which contains active ferments which aid digestion. We doubt if long continued whether it would have any beneficial effect, and as a habit it is not the most desirable means of health improvement.

2. Wholesale seed or feed houses should handle the beans, and honey can be sold to large grocers. The only place we give names of business firms is through our advertising columns.

4. Wind power is always the cheaper, but it is not so dependable as the engine. On the whole, we would recommend the engine, but either has advantages.

INFECTIOUS ABORTION.

I am satisfied that I have contagious abortion in my herd of pure-bred and high-grade Holsteins, and I would like you to please answer the following questions in your valuable paper:

1. How long after aborting would it be safe to breed?

2. What can be done to stop cows aborting the second time?

3. Where it is impossible to separate infected cows from others, how would you prevent further spread of the disease?

4. Would cows from this herd that have gone full time be likely to carry the disease if taken into another herd?

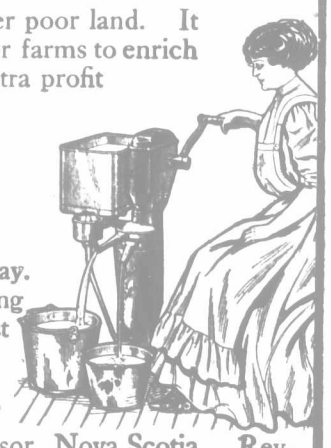
5. Would it be safe to take heifers that have never been bred into another herd?

E. B.

Ans.—1. You have to deal with the most insidious and most to be dreaded disease that Canadian cattle owners have to face. Practically nothing positively helpful is definitely known about the disease, although certain measures are usually recommended. As a rule, after two or three abortions, the disease wears itself out, the infected animals becoming immune. Short of this, about the only thing to be advised is segregation of the aborting cattle, with strict measures of disinfection, and antisepsis such as whitewashing of stables, washing floors and lower part of walls thoroughly with strong creolin solution after each case, and daily, or twice daily, spraying or sponging of the external genital organs of all pregnant females; also of the bull. Aborting cows should be flushed out with occasional injections of creolin solution, not too strong, else severe straining will be caused. Burn all absorbed fœtuses and afterbirth, and take great care not to convey germs on stable utensils, boots, clothing, etc. Disinfect these freely. If you wish to go further, you may have carbolic acid administered hypodermically by a veterinarian, followed by 20-drop doses on salt, or diluted with water and added to food three times daily for two or three days, then withheld, and repeated for two or three days more. The British Commission investigating this disease discredited carbolic as a specific, but many prominent dairymen are quite sure it is a valuable agent. Aborting cows should not be bred until vaginal discharge ceases, and not in any event till three months have elapsed. We [illegible] together safe to [illegible] today [illegible] cow from an [illegible] had gone [illegible] Now [illegible] consider it [illegible] though [illegible] we are [illegible] to [illegible] knowledge in support.

Making an Extra Profit

Like other keen farmers, you are after extra profits. Rich land pays you an extra profit over poor land. It pays well to keep cows on wheat, fruit and other farms to enrich the land. High-producing cows pay you an extra profit over average cows—and the high-producing



SHARPLES
Tubular Cream Separator

will pay an extra profit no other separator can pay. This is because Tubulars have twice the skimming force, skim twice as clean and produce the finest velvety cream. This extra Tubular profit appeals strongly to shrewd dairymen and business men. One instance, out of many, is the Free Masons' Home shown above, which is located at Windsor, Nova Scotia. Reverend J. B. Merrill, superintendent of the home, while treasurer of a well-known creamery, discarded a disk machine for the Tubular. The simple, sanitary Sharples Dairy Tubular, which contains no disks, is the machine which does the work for this well-known home and its guests.

Remember that the oldest separator concern on this continent positively guarantees Tubulars forever. Write at once for Catalog 193 and learn about the extra TUBULAR profits.

Sharples 31 Yrs

The Sharples Separator Co.
Toronto, Can. Winnipeg, Can.

YOUR CROPS

can get more nitrogen out of one single sack of

Nitrate of Soda

than out of a two-horse wagon load of manure. The Nitrogen in Chilean Nitrate of Soda is 100% available and is *immediately* so the day you apply it! It produces

More powerful growth and healthier, bigger plants. Easy to handle, clean, cheap, odorless, free from fillers.

Write to us for valuable free literature on the crops that mean a living to you. A post card will bring it to you.

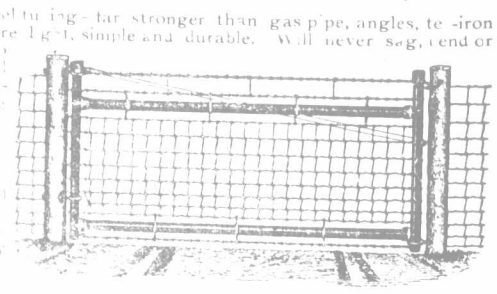
Dr. William S. Myers Director of Chilean Propaganda **17 Madison Ave., New York**
NO BRANCH OFFICES

I guarantee every Clay Gate against defects in material and workmanship. I will replace free of cost to you any parts or the entire gate giving out for such reason. **H. RALPH STEELE, Manager**

FARMERS and stockmen who want to be free from bad-gate worries—gates which fail to keep back hogs, sheep, chickens and cattle—should use

CLAY STEEL FARM GATES

Clay Gates are made of high carbon steel tubing—far stronger than gas pipe, angles, tee-iron or steel—in a variety of styles. They are light, simple and durable. Will never sag, rend or break. Can be adjusted without tools to swing over snow in winter or to keep out stock through. Clay Gates pay for themselves by good service and by saving time and repairs.



60 Days' Free Trial

Let us send you a Clay Gate for 60 days' free trial. Try them before you buy them. Let us send 20 Clay Gates we sold on these terms. Send to-day for illustrated price list.

CANADIAN GATE CO., 34 Morris St., GUELPH, ONT.

Seed Oats [illegible] per bushel. LINCOLN. Weight [illegible] per measured bushel. Seed procured from [illegible] seedsman. Good cotton [illegible]
J. & D. J. Campbell,
Fairview Farm, Woodville, Ont.