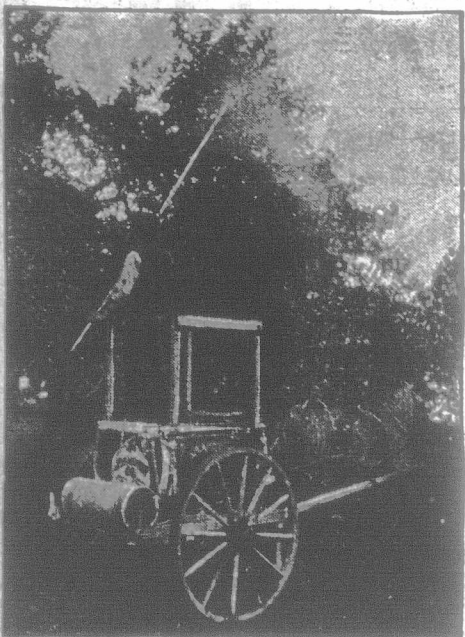


More Barrels from the Orchard  
More Bushels from the Acre  
More Baskets from the Plants

## SPRAMOTOR

If you can get these results it means more profit from your work and more money in your bank account. There are three ways of tackling crop pests and diseases. You can sprinkle on the mixture in some make-shift way without a proper appliance, you can get one of the cheap, inferior machines or you can buy a **Spramotor** and get top-notch efficiency and results.



The **Spramotor** is a tested and proven machine that has won over a hundred first awards and Gold Medals in competition with the world. It is used by the Canadian Government and by both State and Federal Governments in the United States. It will be found in India (where we ship in 200 lots), in Belgium, in the West Indies, in Finland and throughout the length and breadth of this continent.

### Why We Can Guarantee SPRAMOTORS

Our aim is to make every **Spramotor** owner a booster of our machine. It is not enough for us to be convinced of the superiority of **Spramotors**. We want every buyer to feel that he has the best spraying outfit made. To ensure this result, we manufacture in our own plant every piece and part that goes into our machines, down to the smallest joint, coupling and nozzle. Every important part gets a thorough testing before being put into place, and then we test each machine as it is completed.

Investigate the features of **Spramotor** that you can't find on any other machine—there are twenty of them, each rigidly protected by patents. You should know all about these facts.

**FREE** Write us, giving some idea of your spraying requirements, and we will send you by return mail a copy of our valuable treatise on Crop Diseases (fully illustrated) without charge, also full information of a **Spramotor** that will do your work best, at lowest possible cost. Write us to-day.

**B. H. Heard Spramotor, 1734 King St., London, Can.**

### Questions and Answers. Miscellaneous.

#### Absence of Oestrus.

What is the matter with my sow? She is eleven months old, and has not been in heat yet. She is in good condition; feeds well, and has comfortable quarters. I bought her as being a "first-class sow"—a Yorkshire.

F. W. V.

Ans.—We cannot say what is wrong, and can only suggest letting her run out for free exercise, feeding liberally on heating food, as dry peas or corn, and turning her in with a boar every day or two. Some young sows do not show very marked signs of heat, and may be in that condition without the owner knowing it.

#### Horses Lolling.

Could you tell me what causes a young mare to hang out her tongue while the bit is in her mouth? Also if there is anything that can be done to cure her of it?

PERPLEXED.

Ans.—This is a habit called lolling. To prevent it, use a bit for the purpose. Your harnessmaker can procure it for you. They are straight, with either a flat piece of steel or a wire in the shape of a D extending upwards, so as to prevent the animal getting his tongue over the bit. Referring to your files of "The Farmer's Advocate" you will find such bits illustrated in the number of February 17, 1910, page 252.

#### Cabbage Worm.

I tried raising cabbage last year, and would have had a fine crop, but the worms destroyed them all. Tell me how to prevent them.

E. C.

Ans.—Pyrethrum insect powder, is thoroughly effective. One pound should be mixed with four pounds of cheap flour, and kept in an air-tight jar or canister for twenty-four hours so that the poison may be thoroughly incorporated with the flour. The plants infested by the caterpillars should then be dusted with the mixture, which can be applied with a small bellows, or in a cheese-cloth bag tapped lightly with a slender rod. This powder will kill insects, but is perfectly harmless to human beings. Another method, which is more rapid in its effects upon the worms, is to dissolve two ounces of the Pyrethrum powder in three gallons of lukewarm water and spray at once. The liquid kills immediately all the caterpillars it reaches, while the dry powder often takes many hours to produce the same results. Paris green and other virulent poisons should never be applied to cabbages and vegetables of any kind that are intended for table use.

#### A Stupendous Biological Question.

Here is a question which you may possibly find rather difficult to answer, but which, so far from being frivolous and irrelevant, is really of profound biological interest:

"Why does a hen cackle after she has laid an egg?"

Nearly all, if not all representatives of the various bird species, take great pains, not only to conceal their nest, but also to keep silence when on the nest. The reason is obvious in their case, but a hen alone appears particularly anxious to publish the fact. Bearing in mind the fact that everything in nature has its use and purpose, from the color of a rose to the scent of a lily, or the hypnotic effect of a lion's roar on its prey, the humble hen's cackle is indeed a mystery. However, it seems hard to "stump" your question department, and you may be able to give an explanation, or one of your readers will enlighten us.

NATURALIST.

Ans.—It is true that modern hens make considerable ado over the production of one egg, but in primitive times their manners were more in accordance with those of their more modest relatives. We have inside information to the effect that Adam and Eve spent considerable time looking for stolen nests under the barn, garage, and corner of the bungalow. Darwin, Haeckel and Wilson, were all amazed at this deviation of the hen from the paths of biological rectitude, but the answer is simple: They realize the importance and necessity of advertising, which fact has not yet revealed itself to some of our wisest and deepest biological thinkers.

### Cured Caked Udders Douglas' Egyptian Liniment DID IT IN ONE DAY

Clear proof of the efficacy of Douglas' Egyptian Liniment is found in the report given below—one of the many endorsements constantly being received.

D. W. Shea, Esq., a prominent stock owner of Odessa, Ont., writes: "I have used Douglas' Egyptian Liniment for cattle with caked udders, and consider it a marvellous remedy. In 24 hours after applying this Liniment, our cows milked freely. No farmer or cattleman can afford to be without Egyptian Liniment on his premises." This statement, seconded by many other stockmen, indicates only one of the many uses for this reliable remedy. It has quickly cured sore feet, cuts, corns, sprains, bruises and congested conditions, and has prevented blood poisoning or lockjaw.

Douglas' Egyptian Liniment has also proved a blessing in human troubles. Not only has it healed wounds of all sorts, but it has immediately relieved muscular rheumatism, sciatica, neuralgia, boils, chilblains, etc., after other things had failed.

25c. at all druggists. Free sample on request.

DOUGLAS & COMPANY

Napanee

Ontario

### GRAND TRUNK RAILWAY SYSTEM

#### Easter Holiday Fares

**SINGLE FARE** Good going and returning April 10 only.  
**FARE AND ONE-THIRD** April 9-10-11-12. Return limit, April 14, 1914.

(Minimum fare, 25c.)

Between all stations in Canada east of Port Arthur; also to Detroit and Port Huron, Mich., Buffalo, Black Rock, Niagara Falls and Suspension Bridge, N.Y.

#### Homeseekers' Excursions

Round trip tickets to points in Manitoba, Saskatchewan and Alberta via Chicago, St. Paul or Duluth, on sale each Tuesday until October 27, inclusive, at low fares.

Through Pullman Tourist Sleepers to Winnipeg on above dates, leaving Toronto 11 p.m. No change of cars.

RETURN LIMIT, TWO MONTHS

Tickets and reservations at all Grand Trunk Ticket Offices.

### Be Safe!

Don't take too many chances with sprain, splint, curb, ringbone, bony growths, swellings and lameness. Use the old reliable remedy—



#### KENDALL'S Spavin Cure

It has been used by horsemen, veterinarians and farmers for 35 years—and it has proved its worth in hundreds of thousands of cases.

Bickerdike, Alta., Jan. 29, 1913.

"I have been using Kendall's Spavin Cure for a good many years with good results. In fact, I am never without it."

H. NEIDORF.

\$1 a bottle—6 for \$5, at druggists—or write for copy or our book "Treatise on the Horse" free.

Dr. B. J. KENDALL COMPANY

Enosburg Falls, Vermont, U.S.A. 79

### A FARMER'S GARDEN

Helps his wife to plan her table in busy times. Saves work and worry, saves buying so much meat, gives better satisfaction to the help. A good garden will be almost impossible in your busy life without proper tools. They cost little and save much hard work.

#### IRON AGE WHEEL HOES AND DRILLS

will sow, cultivate, ridge, furrow, etc., better than you can with old-fashioned tools and ten times quicker. A woman, boy or girl can do it. Can plant close and work these hand tools while the horses rest. 38 combinations from which to choose at \$2.50 to \$12. One combined tool will do all of the work. Ask your dealer to show them and write us for booklet, "Gardening With Modern Tools" and "Iron Age Farm and Garden News" both free.

The Bateman-Wilkinson Co., Limited, 412, Symington Av., Toronto, Ont.

#### For Sale: Imported Clydesdale Stallion

Royal Donald (8112) (13691). Enrolled, inspected and approved. Rising nine years old. We have used him six years here. Also some pure-bred fillies and mares sired by him. Apply to

J. B. CALDER, CARLUKE.

### MORE MONEY EASIER AND FASTER WORK

You lose \$1.00 on every six sheep you shear in the old way. The Stewart gets a length and quality of wool that brings the highest price. Extra profits soon pay for it. The Stewart has ball bearings in every part where friction or wear occurs. Has a ball bearing shearing head of the latest improved Stewart pattern. Its price complete, including 4 combs and 4 cutters of the celebrated Stewart quality is \$15.75.

### STEWART'S NO. 9 BALL BEARING SHEARING MACHINE

gets all the wool and takes it off quickly and smoothly in one unbroken blanket. To shear with the Stewart Machine seems like play to those who have labored with hand shears in the old, hard, sweaty way. You don't have the same swollen aching wrists. You don't scar and disfigure your sheep with uneven shearing and spoil the wool with second cuts like you used to do. Get one from your dealer, or send us \$2.00 and we will ship C. O. D. for balance. Money back if you are not well pleased.

Write for FREE catalogue showing most complete line of Sheep Shearing and Horse Clipping Machines in the world.

### Stewart Ball Bearing Clipping Machine

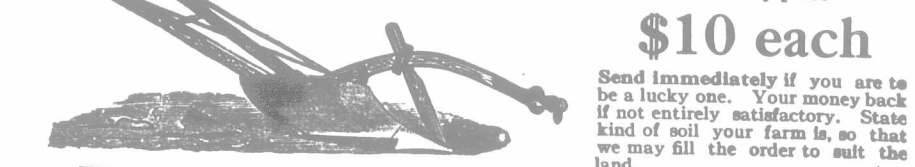
For Horses, Mules and Cows

It pays to clip horses and mules in the spring— they look and feel better, do more work, rest better and get more good from their feed. Clipping the flanks and udders of cows prevents the dropping of filth into milk. The Stewart can be used for clipping horses, mules and cows without change. It's the easiest to turn, does the fastest work, stays sharp longer and is the most durable. Get one from your dealer, or send \$2.00 and we will ship C. O. D. for balance. Money back if not well pleased.

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110 LaSalle Ave. CHICAGO, ILL.

### 100 Standard Walking Plows

Suitable for all soils in Eastern Canada and British Columbia. No. 33, No. 30, No. 21, No. 8, No. 7, No. 5, No. 4, No. 2. The famous "Essex Centre" line to be sold at factory price



**\$10 each**

Send immediately if you are to be a lucky one. Your money back if not entirely satisfactory. State kind of soil your farm is, so that we may fill the order to suit the land.

Wheels extra, 75c. each.

Skimmers extra, 75c. each.

Erie Iron Works, Limited, St. Thomas, Ont.

### Imported BELGIAN and PERCHERON STALLIONS

Just landed, a choice lot of young stallions of the best breeding, with size and quality. Several winners in Europe. For sale at Hunters' Stables, 106 Nelson St., (near Rideau), Phone Rideau 671, Ottawa, Ont. A visit solicited. H. E. Martinette, Proprietor, 52 Sweetland Avenue, Ottawa.