

Potato Spraying Demonstration.

During the summer of 1917, a number of potato-spraying demonstrations were held at Charlottetown Experimental Station, P. E. I. A number of potato growers attended each demonstration and late in August around 1,300 people visited the Station, and most of them examined the plots which had been demonstrated upon. Late blight occurred in many parts of the Province early in the season and the check plots that were not sprayed showed very plainly that quite a bad attack of the disease was present. Four applications were made to each plot. The unsprayed check rows were left at intervals throughout the field for purposes of comparison. Long before potato digging time anyone could pick out the unsprayed rows by the disease-infected tops. With a horse-power machine doing four rows at once, 80 gallons of Bordeaux were applied to the acre, at a cost of \$1.65 per application. The plot yielded at the rate of 194 bushels of marketable potatoes, or 52 bushels more marketable potatoes than the corresponding unsprayed check plot, giving a net gain over the total cost of spraying of \$32.40 per acre. A four-row hand machine with one nozzle spraying down and one nozzle spraying through from the side applied 40 gallons of Bordeaux at the cost of \$1.00 per application per acre. These plots yielded at the rate of 171 bushels of marketable potatoes, which was 52 bushels more salable potatoes than the corresponding check plot. The demonstration showed that it paid to apply Bordeaux for the control of late blight.

Vitality of Tobacco Seed Low.

From the results obtained, with a large number of samples of tobacco seed grown in Ontario in 1917, we are forced to conclude that the vitality of a large part of the tobacco seed produced during that season is very low. Seeds which were handled with the greatest care possible during the growing and curing season are, in many instances, giving low germination test. This is probably the result of the very poor growing season experienced in 1917; and it is very important that tobacco growers determine the germinative power of their seeds, before sowing them, if they wish to avoid a very serious shortage of strong early seedlings.

D. D. DIGGES,
Supt. Harrow Tobacco Station.

Gossip.

The Petrolia Pure-bred Stock Sale.

On Wednesday, March 13, the Lambton County Pure-bred Stock Association will hold its second annual public sale at Petrolia. The offering is being contributed by the best breeders in the County and includes Shorthorn, Angus and Holstein bulls and heifers, 2 Clydesdale Mares, 1 Clydesdale Stallion, 1 Standard-Bred Mare.

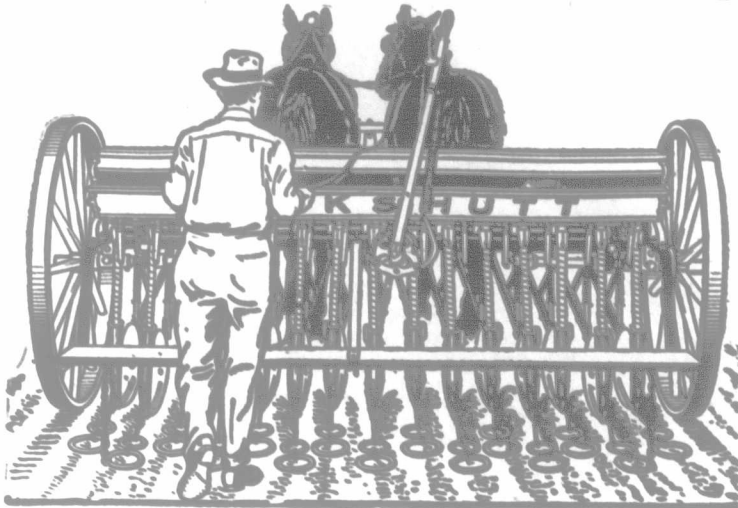
A number of pure-bred Shorthorn cows, two-year-old heifers, yearling heifers, and heifer calves are offered for sale on March 15, by Weil and Lyfield, of Jarvis, Ont. The stock is largely of Nonpareil breeding, whose dams were sired by such worthy sires as Rosicrucian of Dalmeny 45220, and Roan Chief 60865. This is an opportunity to get some choice breeding females to add to the herd, or to serve as foundation stock. This herd was purchased from B. Miller, of Port Rowan, who has disposed of his farm. Besides the females mentioned, there are three bull calves ready for service in the sale and also the herd sire, Emperor Chief, a two-year-old. The sale is to be held in the village of Caledonia, on Friday, March 15, at O'Rourke's sale stables. Write Gus Weil, of Jarvis, for a catalogue giving a description of the full breeding of each animal. Remember the date is March 15, and the sale is held at Caledonia.

You Want Rapid, Perfect Seeding

There is one way to make sure of it, and that is, use a

Cockshutt Disc Drill

With its very strong frame construction—no sagging or bending of the parts. Both wheels are drivers—you sow on corners as well as in the field



You may buy the best seed and keep your land in good shape, but if you don't PLANT your seed properly your crops will be thin, "spotty" and undersized. Cockshutt Disc Drills plant and cover all kinds of grain at any rate-per-acre you wish. They pulverize the ground, cover the seed and give it every chance for germination. Not a heavy draft machine, despite its tremendous strength. Built in five sizes, with either 6 or 7-inch spacing.

Cockshutt Grain and Fertilizer Drills are wonderfully efficient though very simple and without complicated parts. Fertilizer is drilled into the ground with the seed and covered with it, so a splendid, even crop is assured. The flow of the fertilizer is under perfect control. The whole machine is worked by easy levers, and it doesn't take long to understand it thoroughly from top to bottom.

The Cockshutt Disc Drill should be seen to be appreciated. Write for our free Cockshutt Drill Book to-day. State whether it is a plain grain Drill or a combination grain and fertilizer Drill you want information about. Our nearest agent will be glad to show you how it works.

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LIMITED
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Sold in Eastern Ontario,
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The FROST & WOOD CO.
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Montreal, SMITH'S FALLS, St. John

Second Annual Pure-bred Stock Sale

MARKET SQUARE, PETROLIA, ON

Wednesday, March 13th, 1918

AT 1 P.M. SHARP

LAMBTON COUNTY
PURE-BRED STOCK ASSOCIATION

will sell by public auction

40 Head of Cattle

Consisting of Shorthorn, Angus and Holstein
Bulls and Heifers, 2 Clydesdale Mares, 1
Clydesdale Stallion, 1 Standard-Bred Mare.

The offering has been contributed by the best breeders in the County.

TERMS: Cash, or eight months' credit will be allowed on approved joint notes, with interest at 6 per cent. per annum, from date of sale.

A limited number of animals not yet registered, but eligible, will be offered.

Apply to the Secretary for catalogue.

W. S. STEADMAN, President, Petrolia, Ont.

W. P. MACDONALD, Secretary, Petrolia, Ont.

Clydesdales and Shorthorns

I still have some Shorthorn bulls, twelve and thirteen months old. Two grandsons of Old Sort, and four great-grandsons of Royal Blood; these are an exceptionally fine lot; also a number of females. Inspection invited. Apply to

J. B. CALDER, Glanford Station, R.R. 3.

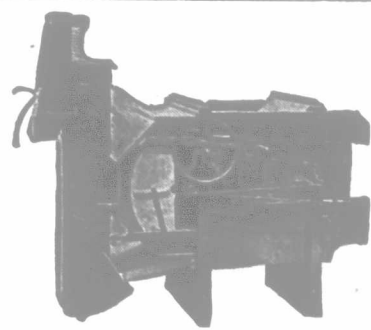
LIFT YOUR CORNS OFF WITH FINGERS

Tells How to Loosen a Tender Corn or Callus so it Lifts Out Without Pain.

A noted Cincinnati chemist discovered a new ether compound and called it Freezone, and it now can be had in tiny bottles as hereshown for a few cents from any drug store.

You simply apply a few drops of Freezone upon a tender corn or painful callus and instantly the soreness disappears, then shortly you will find the corn or callus so loose that you can just lift it off with the fingers.

No pain, not a bit of soreness, either when applying Freezone or afterward, and it doesn't even irritate the skin. Hard corns, soft corns, or corns between the toes, also toughened calluses, just shrivel up and lift off so easy. It is wonderful! Seems magical! it works like a charm! Your druggist has Freezone. Ask him!



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Will Clean Out All Wild Oats
Is the fastest and best mill on the market or money refunded. Ask the man who owns one.
Write for Pamphlet
KLING MFG. CO., BEETON, ONTARIO

Traction Ditcher

FOR SALE

Practically as good as new. Anyone interested will do well to apply to:

A. HUTCHINSON & SON
Mt. Forest, Ont.