

## Farm Labor Problem

The question with every farmer is what shall be done to solve the Farm Labor Problem?

The scarcity of help has made it necessary that every possible means for facilitating the work be employed.

We would like to help you out and would suggest that you buy a

## National Cream Separator

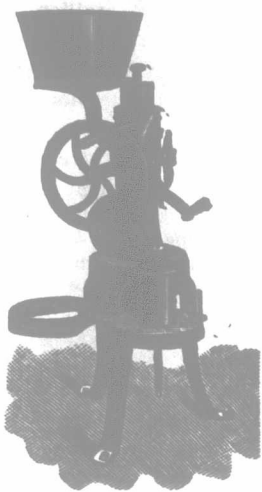
It will save time and labor in your dairy, as well as increase the quantity of your cream.

**The National**

is easily operated, easily cleaned, and a perfect skimmer.

Manufactured by

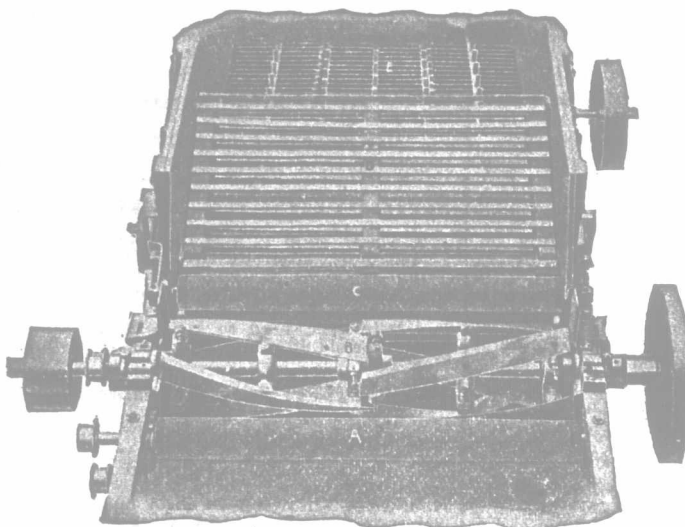
**The RAYMOND MFG. COMPANY OF GUELPH, Limited**  
GUELPH, CANADA.



4 SIZES:

National style B.  
National style No. 1.  
National style No. 1A.  
National style No. 5.

## CUT YOUR STRAW WHEN YOU THRESH



Yes, by all means do so, but thresh it first, don't cut it first and then thresh—the cut straw cannot mix with the kernels of grain if the grain is separated from the straw before the straw is cut.

### THE STEWART STRAW CUTTER

does its work after the grain has been separated from the straw. Farmers generally think it better to have the grain separated from the straw—long or short—and that's why they put it through a separator, don't you know? Examine the Stewart Straw Cutter system, or ask a farmer who has used one.

**THE STEWART STRAW CUTTER MFG. CO.**  
Room 19 Aberdeen Chambers, TORONTO.  
W. E. ROTHWELL, Manager.

## VALLEY FARM



**FOR SALE**

Red Bull—"Montrose," 16 months, price, \$100.  
Red Bull—"Lord Minto," 12 months, price, \$100.  
Roan Bull—"Bold Buccleuch," 12 months, price, \$150.  
Roan Bull—"Borderer," 15 months, price, \$65.

These bulls are well grown and fit for service, the first three being sired by our imported Scotch bull, "Magistrand."

All registered. These prices much below value, but stock must be sold. Apply to

**A. SUMMERS, Aldershot P. O., Ontario.**



## SCOTCH SHORTHORNS

9 heifers, yearlings. 4 bulls, yearlings.  
29 heifers, calves. 27 bulls, calves.

All out of imported sires and dams.  
Prices easy. Catalogue.

**JOHN CLANCY, H. CARGILL & SON,**  
Manager. Cargill, Ont.

**NOTICE.** When writing advertisers please mention the Farmer's Advocate.

## QUESTIONS AND ANSWERS. Miscellaneous.

### CEMENT, VENEER, OR STEEL SIDING.

Which would be the cheaper way to fix a house, to put four inches of cement around it or to put two thicknesses of building paper and steel siding? What would be the cost of each per hundred sq. ft.? Does the steel siding give good satisfaction? Could it be put over clapboards? What proportion cement and gravel would be required? J. E.

Ans.—There are two methods that might be used in veneering house with cement concrete. One is to make concrete of gravel nine parts, to Portland cement one part. This would have to be plastered over for appearance sake, and the total cost for material alone, not counting hauling or labor in building, would be about \$4 per hundred square feet. Another method would be to use sand or gravel (screened so that nothing larger than wheat grains were left) four parts, to cement one part. This, for material alone, would cost from \$5 to \$6 per hundred square feet. We think that the steel siding would be cheaper, but you can readily find the price by writing to those who advertise it. T. B.

### SPRUCE GALL-LOUSE.

I enclose sample of something hurting our spruce trees. What is it, and what can I do to kill it? W. H. B.

Ans.—This is the spruce gall-louse (*Chermes abietis*, L.) which has been the cause of considerable anxiety among growers of ornamental spruces for some years, and is extending its range every year, though in the older sections the parasites are apparently keeping it in check. It undoubtedly renders the trees very unsightly, and gives them an unhealthy appearance, but I know of no actual instance where it has killed trees. The young issue from the cone-like galls about the middle of August, and crawl about on the trees, where later eggs are laid, from which hatch young plant lice that remain on the twigs until the following spring. Their presence in the young buds of the spruces causes slight swellings at the base of the leaves. Each female of the May brood lays about 300 eggs, and the young from these cluster in the swellings begun by their mothers, where they soon cause the galls which later are so conspicuous. No treatment is possible upon forest trees, but upon hedges and ornamental specimen trees good work has been done by spraying them at the times the young plant lice are exposed, and before they are enclosed in the galls, with a tobacco and soap wash, or with kerosene emulsion. The two seasons of the year when the young plant lice may be reached are in the latter part of August and in May. A good soap wash may be made by soaking ten pounds of tobacco leaves in enough hot water to cover them; then strain off the liquid and add two pounds of whale-oil soap. When dissolved, dilute to forty gallons of water. Two or three applications of this spray should be made at short intervals.

### GOSSIP.

#### SPRINGBANK SHORTHORNS.

Springbank Stock Farm, the property of Mr. John McCallum, lies one and one-half miles from Iona station, in Elgin Co., Ont., and just now is the home of about 25 head of Shorthorn cattle, nearly all of which belong to the good old dual-purpose Miss Syme tribe, originally imported from the herd of Mr. R. Syme, Redkirk, Dumfries, Scotland, and which has produced many Provincial prizewinners. They are a large, thick-fleshed, heavy-milking strain, and are fairly early developers. The present stock bull is Imp. Speculator, a Cruickshank Butterfly, got by Scottish Leader, a grandson of Scottish Archer; dam by My Choice, a son of William of Orange. This bull is leaving a grand impression on the herd, the several heifers and two yearling bulls now on hand showing a good type, short-legged, straight lined and evenly covered with good flesh and grand coats; cattle that will do any man good, as they have never been pushed and are in shape to do well. Write Mr. McCallum, to Iona P. O., Ont., for particulars.

## What Two Lice Can Do



They can virtually go right down in the poultry keeper's pocket and take the money. If left undisturbed the natural increase is so great

that they soon multiply to a swarm that will sap the life of young chicks, breed disease in the pens and ruin profit.

## Instant Louse Killer

(Powder or Liquid)

kills lice on poultry, lice on stock, and ticks on sheep. It is harmless to use, and will effectively destroy cabbage worms, slugs on rose bushes, and bugs on cucumber, squash and melon vines. Instant Louse Killer is the original powder louse killer put up in round cans with perforated top. Look for the word "Instant" on the can—then you won't get an imitation.

1 lb. 35 cents  
3 lbs. 85 cents

If your dealer cannot supply you send your order to us.

Sold on a Written Guarantee.

Manufactured by

**DR. HESS & CLARK,**  
Ashland, Ohio, U. S. A.

## CLOVER LEA STOCK FARM SHORTHORNS

We are offering at present, two real choice roan bulls from imp. sires, just ready for service; also one show heifer, 11 months. These are choice animals and are offered at reasonable prices. When you see them, if they are not as represented, we will pay the expense of your trip. Will meet you at Ripley Station.

R. H. REID, Pine River, Ont. Ripley Sta., G.T.R.

## SHORTHORNS AND LINCOLNS.

Present offerings: 4 choice young bulls 9 to 14 months; also a few good heifers, Lincolns, descended from the best English stocks.

**JOHN LEE & SONS,**  
Highgate, Ont.  
40 miles west St. Thomas, on M.C.R.R. & P.M. Ry.

## A. EDWARD MEYER

Box 378. Guelph, Ont.

## SCOTCH SHORTHORNS

a specialty. Herd bulls—Scottish Hero (imp.), a Shethin Rosemary, Radium, a Cruickshank Mysie. Correspondence solicited. Visitors welcome. Long-distance phone in house.

## GEORGE D. FLETCHER, Breeder of Scotch Shorthorn Cattle and Large English Yorkshire Swine.

Herd headed by the Duthie-bred bull (imp.) Joy of Morning, winner of first prize at Dominion Exhibition, Toronto, 1903.

Present offering: young Shorthorns of either sex; also a choice lot of Yorkshires of either sex, six months old, from imp. sire and dam. Prices easy.

**Binkham P. O., Ont.** Erin Station and Tel.

## SHORTHORN BULLS and HEIFERS

Sired by the Scotch bull, Scottish Lad 45061

FOR SALE.

**S. DYMENT, Barrie, Ontario.**

**JOHN GARDHOUSE & SONS, Highfield P.O., Ont.**

Breeders of Scotch and Scotch-topped Shorthorns, Lincoln and Leicester Sheep and Shire Horses.

A good selection of young stock of both sexes always on hand for sale. Scottish Prince (imp.), Vol. 49, at head of stud. Royal Albert (imp.) 2937, at head of stud. Farms 3 1/2 miles from Weston, G. T. R. and C. P. R., and electric cars from Toronto.

**Brown Lee Shorthorns**—Present offering is 9 to 15 months old, a nice straight, good-doing lot, sired by Blenheim Stamp; also females of all ages, daughters of Imp. Sir Christopher and Imp. Beaucamp. Prices very reasonable. **DOUGLAS BROWN, Ayr P.O. and Station.**