## Cream Saving **Machines**

F you are still setting your milk and skimming by hand, you are losing anywhere from one-fourth to one-third of your one-tourn to one-card of your cream. If you are using a sep-arator, and it is not one of the best, you are still losing an amount of cream that would surprise you if you knew it. Every farm loss or leak that can be stopped this year should be stopped. Buy a Primrose stopped. cream separator and stop the cream loss



Don't imagine that cream left in the skim milk will fatten pige and calves faster. It has been proved scores of times that stock thrives as fast on warm separator skim milk, when a little meaor flax replaces the fat. Cream in the skim milk is dead-loss

Primrose separators get that cream. We can prove to you that they get it all, except about one drop in each gallon.

Besides that, they are well-known as simple, easy-running, easilycleaned machines that last and do the same good work year after year. Buy a Primrose-it will pay back its cost in cream you may now be losing. See the local dealers who handle these separators, or, write us for catalogues.

## International Harvester Company of Canada, Ltd.

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ST—Brandon, Man., Calgary, Alta., Edmonton, Alta., Estevan, Sask., Lethbridge, Alta., N. Battleford, Sask., Regina, Sask., Saskatoon, Sask., Winnipeg, Man., Yorkton, Sask.

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definite part of the staunch, reliable Glison Regine—get a Glison on our new easy payment plan, and it work for it to do this fall and winter, yourself a lot of worry, and enjoy that of the staunch, reliable Glison Regines have long enjoyed an industries.

Glison Engines have long enloyed an indisputable reputation for depends of the control of the co

GILSON MFG. CO., LIMITED, 257 York St., Guelph, Ont.

ThisClever Shetland Pony-FREE KIND GENTLE N

BOYS! Here is the easiest proposition ever made to bright boys in Canada

WRITE TO-DAY and we will seed you free to copies of the finest Canadian Weekly Magazin you ever saw—daniyoolored covers and fillsutrations—good fiction and articles labs—tast the magazine every one has been will like it so much that you will have done will like it so much that you will have done and dones of customers very quickly. You sell copies of Canada Weekly as 6. each and 1.

towns.
Hurry up, boys, and be the first in your wn or district to get the pony and earn a sular weekly income of several dollars.

DEPT. 24 CANADA WEEKLY, 35 LOMBARD STREET, TORONTO

Advertising is something more than the selling of goods and buying of good will. It is sementing higher than "scientific distribution" or business science. It is a great the selection of the se

## The Experimental Union (Continued from Page 3.)

work of the Dominion Sugar Com-pany, placed the need of his company for sugar beet seed at 450,000 lbs. for sugar beet seed at 450,000 lbs. This coming season they will wow 200 acres of seed, which will be well with the seed from one acre in 1917. As this seed from one acre in 1917, As this seed now promises to reach one dollar a pound, the returns "looked good" to many of the addence. All who had had experience seemed agreed that had experience seemed agreed that Canada can grow as good seed as can be imported; or even better. The dif-ficulties in the way are lack of labor and inexperience in the work.

Seed From New Ontario.
Northern grown seed potatoes are superior to those grown in old Ontario. Mr. Justus Miller attributed this superiority to climatic conditions, freedom from disease and their immaturity. Such diseases as leaf roll, mesaie and curly dwarf are found practically not at all in New Ontario, while they are serious in old Ontario. The value of immaturity is now genthe valide of limitation of the control of the cont regular bractice of plowing the son after haying and planting potatoes. The crop of small, immature potatoes he used for seed, and last season dug 356 bushels of potatoes per acre. In the United States the best potato the United States the best potato growers all favor the immature seed from Maine. The natural source of Old Ontario's seed is New Ontario. The speaker stated that 1,609 bags of northern grown seed had been pur-chased for the requirements of the Department of Agriculture. One

Mr. A. Leitch, Lecturer in Farm Management at Guelph, who had the work in charge, explained the objects of the undertaking. Government and college farms could not study systems of farm management, and the proper relationships of the various departments of the farm from the stand-point of profit. In every well settled point of profit. In every well settled township, however, are farms of every size and description. A careful ana-lysis of these farm businesses will show just what systems are most profitable, and the weaknesses of other systems. Caledon, in Peel County, was the township selected for a survey in 1917, and 113 farms were covered. At the time of the Experimental Union meetings returns had been compiled for just 49 of these farms.

The most important deduction

for just 49 of these farms.
The most important deduction drawn by Mr. Leitch from the compilations was the relationship of the farmer's labor income to the size of his farm. The table published on this page gives the results. It will be noticed that the 'income increased as the area increased. Special attention was called to the greater area of crops handled by each man and each horse. handled by each man and each norse. The unproductive capital is not much greater on the large farm than the small one; that is, the money invested in machinery and buildings. "The man smail one; that is, the momey invested in machinery and buildings. "The man on the small farm is right up against it in Ontario," decided Mr. Leitch, "He has too small a business." Illustrat-ing his point still further, the speaker ing his point still further, the speaker stated that although this past year had been "the year when Caledon farmers made money if they ever did," fully one-third of the farmers, those on the smallest farms, had made a labor income of only \$382, or less than hired men got in the same township.
"I'll guarantee," said he, "that for the

RELATION OF SIZE OF FARM TO LABOR INCOME.

D URING the past few months a survey has been conducted in Cale. Township, in Peel Co., ont., on 113 farms. Returns from 48 farms. new complete and tabulated. The results, as presented by Mr. Leite, many complete and tabulated. The results, as presented by Mr. Leite, many complete and tabulated. The results, as greated by the farm income in relationship is a careagi, are summarized in the following tabulationship is a careagi, are summarized in the following tabulationship is a careagi, are summarized in the following tabulationship is a careagi, are summarized in the following tabulationship is a careagi, are summarized in the following tabulationship is a careagi, are summarized in the following tabulationship is a careaging and the carea

Under 85 16 72 \$7,132 \$4,317 86-100 12 93 101-124 125-150 151-180 181-240 22 56 \$814 58 65 \$1,073 \$1,699 \$1,925 \$1.061

thousand farmers, through the Experithousand farmers, through the Experi-mental Union, will be given a small quantity of northern and southern grown seed for a comparative test. Small lots of northern seed will be distributed to 9,000 rural school child-ren. All of the district representa-tives will conduct tests with New Branawick. New Osterick CAS. tives will conduct tests with New Brunswick, New Ontario and Old On-tario seed. On the provincial farms at Burwash and Ft William about 40 acres of seed potatoes will be grown. Farmers in Northern Ontario will be assisted to some extent in getting in-spected Maritime seed of the two standard varieties, Irish Cobbler and special Maritime seed of the two standard varieties, Irish Cobbler and paid from Nothern Orteste will be placed to the control of the con-trol of the con-trol of the control of the con-trol Clubs in Old Ontario will be placed in touch with sources of seed that were inspected in the past summer and certified free from disease. Fields this year will be inspected with a view to recommending seed next fall. Such are the plans of the Department for the improvement of the Ontario seed potato supply.

"New Ontario is practically free from the physiologic diseases," refrom the physiologic diseases," remarked Prof. J. E. Hewitt, who spoke briefly after Mr. Miller. "These diseases are transmitted through the seed. The only way to avoid them is to get seed in districts that are tree from them." Even with disease free seed, however, precautions arainst ordinary diseases will have to be

The Farm Survey. Ontario has had its first farm surpast 25 years, on the average, this group of farmers have worked for nothing or less than nothing."

The greatest need of Caledon is

The greatest need of Caledon is good stock. Mr. Leitch Illustrated this by the following summary of survey

results:

Poor Crops. Poor Crops.

Poor Stock. Good Stock.

Number of farms. 12 11 12

Labor Income ... 2505 81.150

Good Crops. Good Crops. Good Stock.

Number of farms. 2505 81.150

Good Crops. Good Stock.

Number of farms. 2505 81.150

Good crops. H will be seen, resulted in a material improvement in incomp. but not so great as did good stock.

Stock. too, can be improved more quickly and more cheaply than crops.

"And the crying need of almost all." results:

"And the crying need of almost all farmers is more capital," concluded Mr. Leitch

Cooperation in Wool Marketing.

Mr. R. W. Wade, who engineered the Mr. R. W. Wade, who engineered the successful cooperative wood marketing scheme of the last year, reviewed his work. Nine thousand application forms had been een out, but up to April 33rd only 100,000 lbs. of wool had been listed. Then an advertising campaign was conducted in the agricultural press, and 100,000 hs. al press, and 100,000 lbs. more came in.
All told, 270,000 lbs. were handled. Mr. Wade exhorted his hearers to not look to price alone, but to support the cooperative principle. The Department materially cheapened the mark-ting expense last year, but in future the

(Continued on page 13.)