



## Why You Will Prefer THE "SIMPLEX"

In preference to all other Cream Separators is because the "Simplex" is

- So Simple
- So Easy to Turn
- So Easy to Clean
- So Perfect in Skimming
- So Quick in Separating
- So Pleasing in Appearance
- Self Balancing
- Seldom out of Repair
- Soon Pays for Itself

LASTS A LIFE TIME

Showing Simplicity and Accessibility of gearing. Removing the body—Housing exposes the gearing and lower bearings of the Simplex.

There are other advantages in favor of the "Simplex." These are explained in our literature, which will be mailed to you free on request.

The ease of running, ease of cleaning, simplicity, self-balancing bowl, interchangeable spindle point, low-down supply can, the general pleasing appearance, and the perfect skimming of the "Simplex" make it the favorite everywhere it goes.

Then, too, our large capacity machines, so constructed that they churn more easily than most other separators, regardless of capacity, will enable you to separate your milk in half the time. This is a great advantage it will pay you to enjoy.

Bear in mind we allow you to prove all these claims—since "Proof of the Pudding is in the Eating."

Write to us for full particulars about the "Simplex" and our special terms to you to use the "Simplex" and represent us loyally in your district.

## D. Derbyshire & Co.

Head Office and Works: BROCKVILLE, ONT.  
Branches: PETERBOROUGH, ONT. MONTREAL AND QUEBEC, P. Q.  
WE WANT AGENTS IN A FEW UNREPRESENTED DISTRICTS

## The Right Building Material for Houses, Barns, Implement Sheds

Whether you are building an implement shed, a granary or a house or barn, the most ECONOMIC and DURABLE building material is "Metallic."

For Barns: Corrugated Steel Siding and "Easlake" Metallic Shingles make a barn absolutely fire, lightning and weatherproof.  
For Houses: Metallic Rook Faced Stone or Brick Siding will give your house the appearance of a stone or brick dwelling. It is easily and cheaply applied and very durable. "A 25-year actual test" has proven "Easlake" Shingles the best roofing.  
All about the permanent roof you want is told in our artistic free booklet, "Easlake Metallic Shingles." Write for it now."

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MANUFACTURERS

## The METALLIC ROOFING CO. LIMITED

1184 King St. W.  
TORONTO

Branch Factory: WINNIPEG  
Agents in Principal Cities

## XMAS YOU KNOW WHAT IT MEANS IN EXTRA BUSINESS AVAILABLE!

Business will be mighty good amongst the Dairy Farmers the coming Xmas season. Did you ever know a better season for pasture and fodder crops? Did you ever know prices for Dairy Produce to be higher? Your opportunity is plainly indicated. Use

OUR GREAT BREEDERS' NUMBER, DEC. 5th  
4TH ANNUAL

## High School Agriculture

When it comes to getting agricultural instruction right next to the farmer, the state of Minnesota in the United States can give pointers to the best of us. In addition to a splendid extension branch in connection with the state college, they have now established agricultural instruction in the high schools. Farm and Dairy was recently favored with a call by one of these Minnesota high school instructors in agriculture, Mr. W. V. Longley, a Canadian boy, and a graduate of the Ontario Agricultural College. Mr. Longley gave us many interesting pointers on agriculture as it is taught in Minnesota.

"Three years ago," said he, "the state government gave a grant of \$2,000 to each of 20 schools with the understanding that they should teach agriculture and also conduct demonstration plots. The government also made provision for a \$1,000 grant to any high school in the state that would conduct an agricultural department."

"Here is how it works. A small town with a high school decides that \$1,000 is worth getting something for nothing. They pass a resolution, accept the grant, and then employ a man to teach agriculture. In addition, he must hold a three months' short course for country boys in the winter months and conduct a short course or courses of a week or so for busy farmers. In the three months' course we have gotten an average attendance of 15 to 30."

**AGRICULTURE A POPULAR COURSE**  
"The agricultural course in the high schools is mostly optional with the students, but there is always a big percentage of the pupils who take it. Seventy-five high schools started an agricultural department last year. They got teachers all the way from Washington to Massachusetts. We teach both boys and girls in our agricultural department, both from the country and city, and this work is bound to have a big influence on agriculture."

"In the first place it will tend to bring more country pupils to the high schools. A good many country pupils don't think the course worth taking, but more and more they are coming our way as we instructors get out among the farmers and show them that we understand the practical side of farming as well as the theoretical, and can give them pointers on their own business. But the biggest influence will be an indirect one. In Minnesota as in Ontario practically all of our country schools are taught by town girls or by country girls who from the very first intended to be school teachers, and paid little or no attention to farming, when they were at home. These girls are now in the high schools getting a knowledge of agriculture and are taking an interest in it. They will then be able to interest their pupils along the same lines."

### WHAT INSTRUCTORS DO

"We instructors get state aid for our short courses. In addition to this work among the farmers we organize clubs, test corn and seed, organize cow testing associations and carry on other such extension work. Of course the amount of this work that is done depends altogether on the man, but I myself have found it a most valuable aid to my high school work."

"How do you think the system will work out?" he asked.

"The system has already passed the experimental stage," said Longley. "We have had 10 schools that have been operating four years and they are a success. These schools are in the \$2,500 class that conduct demonstration plots."

"Have you any suggestions as to how the Minnesota schools could be improved on?" we next asked.

"I believe a combination of the representative system as you have it in Ontario and our system of high school instruction would be almost ideal," he replied. "The representatives could carry on extension work in the country while his efforts would be greatly aided by the work of the high school instructors."

"Some are inclined to slight the importance of agriculture in the high schools," continued Mr. Longley. "The average man seems to think that the three R's and history, geography, Latin, Greek, etc., are proper subjects for the curriculum of a publicly supported school. But how many of either country boys or town boys ever go through the high school? I don't believe that in Minnesota the proportion is more than one to 10. And why don't they go? Because there is nothing there for them to go for. If we had agriculture, however, to the boys and domestic science to the girls in the schools, we will find our young people taking a greater interest in high school work because they really get something from it."

## Demonstrations at the Fair

There is no better way of making a county fair attractive to the farmers, their wives, and their children than by the use of frequent demonstrations. It may mean success, in many instances, where failure has been met before.

Illustration by actual demonstration has become one of the basic principles employed by colleges and experiment stations to disseminate information on farming to the public. A luxuriant field of alfalfa which produces three crops of excellent hay in one season will have more influence in promoting alfalfa culture in any community than scores of addresses and books. Everyone in the community is certain that alfalfa can be grown with success, for at an actual field of alfalfa has been sown successfully under local conditions.

So it is with demonstrations at a county fair. They may be of any nature, according to the needs of the locality. If dairying is one of the important industries, demonstrations may be given on testing, butter making, cheese making, and the sanitizing handling of milk. If there are many chickens raised, the demonstration may be on killing, dressing, and packing poultry for market. Cooking schools and dressmaking schools, many school girls, whose school girls, whose young women do the actual work, will interest the women greatly.

## Items of Interest

A conference for the discussion of problems relating to the judging of dairy cattle will be held at the National Dairy Show, Chicago, on October 28th. All judges of dairy cattle breeders particularly, are invited to attend this conference.

The American Dairy Farmers' Association will hold its annual meeting in the Dominion Live Stock Dairy Show at the Union Stock Yards in Chicago, October 31st. The meeting will be held in the hall of the Saddle and Siroin Club.

Mr. T. A. Benson has been selected by the Dominion Live Stock Branch to take charge of the poultry extension work in the province of Prince Edward Island. Mr. Benson has had a wide poultry experience both in the Old Country and in Canada. He was first assistant to Prof. Elford at Macdonald College and since leaving there has assisted Mr. Hare in Prince Edward Co., O.

Issued Each Week

Vol. XXXI.

Started Out Without Triumphs

A MOST notable success in the history of Holstein man, barely 30 years of age, has been achieved by a young breeder in Ontario, with Mr. Davis, as his partner, in the sale of information as to success in so short a time in Holstein cattle.

Some years ago he went to Cornell University where he was denied the ambition because of his father, being left with Mr. Davis, as his partner, in the sale of information as to success in so short a time in Holstein cattle.

As may be supposed, the father, being left with Mr. Davis, as his partner, in the sale of information as to success in so short a time in Holstein cattle.

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