

## Rome Was Not Built in a Day

That is a truism if a somewhat hoary proverb. In all the realms of science, art and invention, nothing has ever been accomplished by any "sudden flash" of genius, but rather by the system of patient plodding and experiment, and the application of the wise man's principle of "line upon line, precept upon precept, here a little, there a little." That is the story of the development of the cream separator and the milking machine which finds its climax in the perfected



## Simplex LINK BLADE Separator AND B. L. K. Mechanical Milker

It has taken many years of patient labor and experiment with all kinds of separators and milking machines to produce the now perfect **SIMPLEX SEPARATOR** and the **B. L. K. MILKER**, two of the greatest money savers and money makers on the modern farm. Write us for information on the B. L. K. Milker and Simplex Separator. Do it now. To-morrow you may have bought a milking machine that will be a disappointment. You take no risk with the B. L. K. or Simplex. They have been a demonstrated success on hundreds of farms throughout the Dominion.

**D. DERBYSHIRE CO., Ltd.** HEAD OFFICE AND WORKS:  
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Branches:—Peterboro, Ont. Montreal and Quebec, P.Q.  
We want agents in a few unrepresented districts.

### Two Years of Satisfaction

W. J. Barber, Prince Edward Co., Ont.

I HAVE used the B. L. K. Milker in my herd for two years, milking from 30 to 36 cows, using three units, milking six cows at a time. It has worked very satisfactorily, with no bad effects on either udders or teats. The cows take kindly to it, in fact, nervous cows can be milked with it; that can hardly be milked by hand at all.

It is a great labor saver, as two men can milk and tend to the milk in less time than five or six could by hand previous to installing the machine. Regarding the cost of the upkeep of the machine, I have found it very light—a few rubber tubes occasionally. I believe the milk is as free from bacteria as the hand-milked product, providing the machine is kept perfectly clean, which is a very easy matter by first rinsing in cold water and then scalding directly after each milking with a thorough washing once a week, which keeps it sweet and clean.

The milking machine is coming more in favor each year, and will, I believe, continue to do so, on account of the scarcity of labor and the good work some of the machines are doing.

### Big Profit in Cows

J. H. Purvis, Ontario Co.

In answer to the question "What is the cost of keeping a cow?" perhaps the following may be of general interest. As we have a large herd of cows, and weigh both feed and milk, we try to find the actual cost of feed, manurial value, etc. We believe in the 10,000-pound cow, and might say that eight grade Holsteins, with an average of four months since freshening, have given 39,000 pounds of milk. We believe they will average 10,000 in the year. The cost of feeding is the big item, and as we feed ensilage the year round, we can arrive pretty near at the cost of production. Each cow receives the following each day in the 1915:

3 lbs. Cottonseed Meal at 14¢	54¢
3 lbs. Oil Cake Meal at 14¢	54¢
6 lbs. Bran at 14¢	75¢
40 lbs. Silage at 15¢ cwt.	6¢
Labor per day	5¢
Interest on cow equipment, etc.	2¢
Per day	31¢

### Total For Year.

1,095 lbs. Cottonseed Meal	\$119.05
1,095 lbs. Oil Cake	19.05
3,190 lbs. Bran	27.37
14,400 lbs. Silage	21.90
Labor	18.25
Interest	7.30
	\$111.92

### Manurial Value.

1,095 lbs. Cottonseed	\$ 3.00
1,095 lbs. Oil Cake	11.00
2,190 lbs. Bran	13.90
	\$37.60

Value of ensilage for manure would balance other roughage consumed.  
10,000 lbs. of milk at 14¢ .....\$175.00  
Cost of feed, labor, etc. .... 111.92

Profit per cow (not counting manure) .....\$ 63.08  
Value of manure, indirect profit .....\$7.00

Total profit .....\$100.98

The cow that the dairy farmer needs is the one that converts feed into milk and butter and gives more milk and butter as the feed increases. Cows of this kind are practically all found within the four great dairy breeds.

An abundance of good fresh water is almost as important to the cows as abundance of fresh pasture grass. If there is a spring creek in the pasture, and good. If not, a windmill and trough make good substitutes.

## The Dairyman's Friend

**SUPPOSE** one of your most valuable cows gets seriously injured or sick and you need a veterinarian in a hurry. If you have a telephone you can call him immediately and save an animal that might otherwise die.

This is only one use of a telephone on the farm. Our handsomely illustrated book, "Canada and the Telephone," gives numerous uses. Send for a copy. It's free.

The Provincial Governments recognize the advantage of telephones in rural districts and practically all of them have done something to encourage the construction of independent telephone systems.

In Ontario, the Government has given municipalities the right to build and operate independent telephone lines. In Nova Scotia, the Government bonuses independent rural telephone systems. In Saskatchewan, the Government lends its support. And so on.

If your community is without telephone service it is high time to get busy and secure it. Call a meeting of the residents and organize. We will supply you with all necessary information free. Our experience in assisting in the organization of the majority of independent local and municipal telephone systems in Ontario is worth money to any prospective telephone system and insures getting started on a paying basis.

Our telephones are of the very highest quality and most modern design. Our construction materials are guaranteed first quality. Our prices are right. In many instances, we can do unusually well for our customers because we were fortunate to make large contracts some time ago at exceedingly favorable rates. The raw materials entering into the manufacture of telephone construction supplies have steadily advanced in price on account of the huge demands caused by war orders. There are certain to be further advances, too. Any independent local or municipal system should be sure to get our quotations before placing an order.

## Canadian Independent Telephone Company, Ltd.

269 Adelaide St. W., Toronto

## New Seed Oats Bruce's New Leader

The first to produce 5 mature grains in a spikelet. It is medium early, ear thick set and spreading, grain plump, white, thin husk, straw strong, of fine quality. It will give a greater yield than any other cereal in cultivation, and is adaptable to any soil. Pck 75¢, Bushel \$2.00 here. Postpaid, 25¢ lb.

**BRUCE'S CONQUEROR.** A new variety from Northern Europe, very heavy yielder, straw is strong, of medium height, grain is plump, thin skinned, nearly white, and makes splendid Oat Meal. It is hardy and ripens medium early. Pck 40¢, 5 bushel \$1.55 here. Postpaid 25¢ lb., 5 lbs. for \$1.00.

**NEW O.A.G. NO. 72.** A new variety, of exceptional merit, an immense yielder of fine appearance. It is a branching White Oat early, and the straw is good and strong, the hull is thin and the grain weighs well. Pck 60¢, bushel \$2.00 here. Postpaid 25¢ lb., 5 lbs. for \$1.00.  
New 2 1/2 bushel cotton bags 50¢ each extra.

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