

Grading Up the Dairy Head

J. H. Grisdale, Director Experimental Farm, Ottawa

AS an instance of how quickly it is possible to increase the value of a dairy herd, I have in mind the case of a man who began with a herd of common cows, valued at \$36 each, and giving about 2,500 pounds of milk each per year. He purchased from the O.A.C. a pure-bred Holstein bull calf for \$90, and as soon as this calf was ready for service began grading up his herd with him. When this bull became too old, and his daughters came of breeding age, another best calf was procured for \$40.

About ten years after the grading process began this man sold his herd. The grade cows brought \$80 a piece, and the last year he owned them they averaged 8,000 pounds of milk each. One four-year-old cow sold for \$190, and a week ago she was resold for \$175.

The main point to keep in mind in connection with this herd is that it was improved by simply purchasing three good bull calves, though the last of these had been used at the time of the final disposition sale. These bulls were bought as calves for very nominal figures. It is possible for any man to build up a high producing herd at very little extra cost by using the same method.

Thrift and Production

THE Dominion Government is starting an extensive advertising campaign for the promotion of thrift and production in Canada. The principle of saving and of thrift for the individual male and female, is to be inculcated through a series of newspaper articles published throughout Canada, with a view to putting the nation as a whole in a better position to bear the stress of war and to furnish the shores of the world for the cause of the allies. The principle of production of new wealth from the land is to be similarly inculcated, along the lines adopted last year, which, tended to produce the record crops and which has enabled Canada to do more than ever before towards furnishing food supplies for export for the benefit of the allies.

A considerable sum of money has been voted by the Cabinet Council for the advertising campaign, which is to be conducted under the joint auspices of the Departments of Agriculture and Finance. The advertisements will be placed with newspapers throughout Canada starting at once, through the King's Printer, who will furnish to each newspaper the necessary material. The same system will be adopted as was adopted in advertising the domestic loan of last autumn, and the Government's statement in announcing the campaign is that there will be no distinction of politics made in placing the advertisements direct with the newspapers, rather than through any advertising agency.

Our Front Cover

OUR front illustration illustrates very clearly the rapid progress that has been made in the past few years in the handling of our biggest fodder crop. It seems only yesterday that we used to stand our corn in bundles until just before the snow began to fly, and then haul it into the barn and spread it around in thin layers against the walls of the mow, thus keeping it from moulding. Later we developed good winter appetites with a head power cutting box, mixing the corn with straw, hay or grain and feeding it in this way. Or if we weren't favored with a cutting box,

the corn was fed in the stalk, the coarser material going through to the mature piles, where it increased the labor and taught many of us to swear in teasing out the mature in the spring. Modern equipment, such as shown in the illustration eliminates to a great extent the labor problem, prevents waste of the coarser stalks and makes the handling of the corn more of a pleasure than a task.

The photo taken on the farm of Mr. Robt. McInery, of Erin, Wellington County, has been kindly supplied us by the R. A. Lister Company, of Toronto. In addition to filling his own silo Mr. McInery filled several rices for his neighbors during the past year with his complete outfit.

Lending Farm Implements

A Scott Township Farmer, Ontario Co., Ont.

I REMIND with interest in a recent issue of Farm and Dairy, the letter under the heading, "Is Borrowing a Sin?" In reply let me state that I am in exactly the same position myself. I own a hundred-acre farm, have good buildings and a full equipment of the best labor saving implements that money can buy. One of my neighbors has for years used practically every implement I own to work his own farm, and for me to put my foot down and refuse to lend my implements would sever friendship of long years standing.

In my opinion a good solution to this vexed problem of borrowing would be to make a charge for each implement borrowed. By so doing the money received would be only help to pay for the wear and tear of implements, but if the borrower has a sense of feeling and independence, he would naturally take the hint and realize that you did not care to loan your implements. Furthermore, the money he pays out for borrowed implements would soon buy him a supply of his own. In some way borrowing cannot be regarded as a sin. Taking for instance in harvest time, I have a field of oats dead ripe, if my binder breaks down it is going to be a couple of days before I can get it repaired. Now if my neighbor has nothing ready to cut for a day or so don't you think it would be doing a good turn for him to lend me a binder under such conditions. But a neighbor who makes a systematic practice each year of borrowing every implement to work his farm is taking a great advantage, because he is working his farm on other men's capital, for the implements required represent so much capital invested.

Appreciates New Department

EDPHOR, Farm and Dairy—I wish to tell you that I appreciate very much the weekly articles on Farm and Dairy, and the timely articles on the different phases of this business. Especially though, I am very glad of the new department "Light on Scriptural Prophecy," and the adherence to the proper meaning by the writer. The reference to the true meaning of heaven is very timely when this particular portion is so misinterpreted and misunderstood.

As an interested reader of Dr. Halstead's books for some years past, I am especially thankful to have you recommend and circulate his book. He is one of the very few in the churches who stand for truth by the fall and redemption through the blood, and I trust his book may have the wide circulation it deserves.—E. R. Diamond, Northumberland Co., Ont.

You'll be sure of the best silage and the longest service



Made in Canada

It is not a low price that makes a silo worth buying. It is the quality of the silage you will get out of it and the number of years the silo will last.

Your silage must be well preserved if your cattle are to thrive on it. You cannot make good silage with a cheap make-shift silo. Such a silo cannot be kept air and water tight, and unless it is, poor silage will result.

The least expensive silo to buy and the most profitable one to own is the Ideal Green Feed Silo. It produces the very best quality of silage and gives you the longest service.

Every detail in the making of this silo is fully explained in our large silo catalogue. Ask for a copy and read it. You will then see how carefully the material is selected; the staves milled, spined and fitted together and secured against the tremendous pressure of the silage; how the staves are treated with a preservative that protects them most effectively against the acid in the silage.

Every superior feature of the Ideal is a result of long experience in the process of manufacture. There is nothing mysterious about the extra value you get in the Ideal. Everything is fully explained in the catalogue and will be clear to you when you investigate. Write for the catalogue today.

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LARGEST MANUFACTURERS OF DAIRY SUPPLIES IN CANADA.
Sole distributors in Canada of the famous De Laval Cream Separator.

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MONTREAL PETERBORO WINNIPEG VANCOUVER

THE GREAT COAL TAR DISINFECTANT

ZENOLEUM

MADE IN CANADA

IT'S a waste of time for the farmer to mix a gross and poisonous solution of lime and kerosene to cure cattle disease, when Zenoleum is cheaper and incomparably better. Zenoleum is a powerful germicide, better and cheaper than carbolic acid, yet is not inflammable or poisonous. Can be used internally or externally. The Dominion Experimental Farm and 60 Experiment Stations in Canada and United States use Zenoleum. Their practice is safe to follow. Ask your dealer or send to us. Several sizes, 25c., 50c., 90c. \$1.50, carriage paid. 1 gal. (\$1.50) makes 50 gals. disp.

ZENNER DISINFECTANT CO., Sandwich St., Windsor, Ont.

Hewer of Wood & Drawer of Water

Our farm engine—the Chapman—takes the heavy work of the farmer's back. It pumps water, saws wood, runs the separator, grinds grain, cuts silage or pulp roots. Very little fuel cost—big saving in time and double work can be done. We will sell you a Chapman with power to operate our grinders, silage blowers, wood saw, pump jack, etc. The Chapman is sure to satisfy you. Let us give you full particulars. On request, we will mail our Engine Book and Special Machinery Catalogue and Circulars describing our dairy or engine will operate.

Ontario Wind Engine & Pump Co., Ltd.
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