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FARM AND DAIRY, Peterboro, Ont.



Notes on Cooperation

Cooperation means the union of the efforts of a number of people for their common good. Successful cooperation just like successful home life, requires, on the part of each individual interested, more or less forbearance and some modification of one's ideas of absolute individual independence, but it is worth while.
Many advantages can be secured, through cooperative breeding, that the individual cannot afford. Better sires can be secured; sires can be proved as to worth, and after a few years of operation only sires of known value need be used.

Cooperation is one of the great forward movements in the country today. The best example we have of cooperation is that of the family. In the family we find all individuals working for the common good. Of course, it is impossible to carry this ideal relation to all of one's neighbors; but the more nearly this same feeling of helpfulness and generosity can be duplicated, the more successful will a cooperative enterprise be.

A careful study of the situation in-

dicates that cooperative laundries in connection with cooperative creameries may reasonably be expected within the next few years. It appears that the total cost of a laundry equipped to wash and dry all of the clothes of from 100 to 300 families need not exceed \$3,000; and that the total cost of operating such a laundry, including 10 per cent depreciation, six per cent interest, fuel, labor and loss of clothes need not exceed \$3,500. If such a laundry were serving 150 families, the cost would be approximately \$24 per family per year, or 50 cts. a week. Subtracting from this the cost of fuel, soap and machines, now used doing the washing on each farm, it would seem that the amount the women of the farms now save by their heavy labor in washing is ridiculously small, only \$10 to \$15 per year for the average family.

Cooperative marketing of eggs is another branch of cooperative effort that has given very satisfactory results. Mr. Alfred Carlstad, of Dassel, in describing the workings of a United States egg association, has the following to say: "I started the association with 60 members; we now have 80. During the first eight months the association has handled 22,000 eggs. It has paid for these \$3,480, or 22 cents a dozen. At the regular market, the same eggs would have brought approximately \$3,500, or 17 cents a dozen; a difference of \$1,540; \$1,590 divided among 70 farmers equals \$22 for each. So each member has received \$22 for going to the small expense and trouble of placing a better quality of eggs on the market."

Why Milk Doesn't Churn

We have had great difficulty in churning the cream produced by our one cow? Why is this? How can the trouble be remedied?
-M. M. J., Dufferin Co., Ont.

It is a common difficulty where only one cow is kept, not to be able to get butter. The usual remedy is to get buttermilk, that is, as soon as sufficient cream is collected for churning, set the cream can into another can of hot water, or heat the cream to a temperature of 160 degrees and allow to stand for about 10 minutes, then remove from the hot water, and cool by setting the can into a can of cold water. When cooled to about 70 degrees add one pint of good flavored sour skim milk, or buttermilk, preferably gotten from a neighbor who makes good butter, for each gallon of cream. Stir this well through the cream, cover, and allow to stand in a moderately warm room for about 20 hours, when it should be ripe and ready for churning. Churn at about 72 to 74 degrees and the butter will usually come alright.

Sometimes it is necessary to give the cow about a pound and a half of epsom salts, in the form of a drench.
-Prof. H. H. Dean, O.A.C., Guelph, Ont.

Control of Insect Pests

The Division of Entomology of the Experimental Farms Branch, Ottawa, has recently issued a bulletin by Dr. C. Gordon Hewitt, Dominion Entomologist, on "The Control of Insect Pests in Canada."

An account is given of the history of the war against insect pests in Canada and of the manner in which insect pests have invaded the country and it has been gradually opened up and cultivated. The manner in which the Dominion and Provincial governments are endeavoring by legislative and other means to prevent the introduction of insect pests into Canada and the increase and spread of those pests already here is described. Copies of this publication, Bulletin No. 9 (Second Series) Experimental Publications Branch, Department of Agriculture, Ottawa.

Potato Canker

Prof. G. E. Hewitt, Botanical Dept., O.A.C., Guelph

The introduction of Potato Canker would cause serious loss to the farmers of Ontario. A careful scrutiny of the seed potatoes should enable one to detect the presence of the canker. Badly cankered tubers can be noticed at a glance, as they are misshapen and completely covered with warty excrescences. Badly diseased potatoes, however, are not likely to be



A Cankered Potato

found in the seed, but tubers, which are only slightly affected and which a casual glance appear sound. These may be detected by examining the eyes, which will be found to be slightly protruding and composed of clusters of little nodules. The accompanying photograph shows the disease fairly well developed at one end of the tuber.

Potato canker is now found in England, Ireland, Scotland, Scandinavia, Germany, France, Italy and Newfoundland. On account of the shortage of the potato crop in Ontario last year, large quantities of potatoes are being imported, especially from Great Britain. The danger lies in the planting of imported potatoes infected with the canker. Farmers should make a point of knowing the source of the seed potatoes; they are covetous and of making a careful inspection for any signs of canker before planting. Suspected potatoes should be sent to Mr. H. E. Gussow - Botanist, Dominion Experimental Farm, Ottawa, or to the Botanical Department, O.A.C., Guelph, for examination and report. On no account should any suspected potatoes be planted until a report upon them has been received.

The Dominion Government has decided that it will take two men to fill the place made vacant by the retirement of Dr. Rutherford, one of whom the administration of the veterinarian and most inspection branch, and the other the live stock and records branch. Mr. J. E. Brothour, of Burlington, Ontario, is to be appointed Live Stock Commissioner and head of the live stock records branch. The appointment, it is reported, will be made shortly.

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