

This Cylinder Shows Why The

"EUREKA" Root Cutter

is the best on the market. See how it is designed. Grooved knives, with the grooves on one blade opposite the teeth on the next. Instead of slicing or pulping, the "Eureka" turns out roots in shreds

this narrow strips—suitable for any kind of feeding. The "Eureka" shreds from one to two bushels a minute, and turns so easily that a child can operate it. In the "Eureka" the feed is kept free from dirt, the feeder bottom being made with iron rods, thus allowing all dirt to drop out before it can reach the shredding cylinder.

The sloping form of the cylinder makes the machine a self-cleaner. Write for catalogue which explains fully. The Eureka Plaster Co. Limited, Montreal, Can.



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yield a profit in the breeding herd. Nature is wise enough not to spend time in developing milking capacity beyond the wants of the litter. It will thus be seen that the sow that is a good milker must be built up from the foundation. Select first an inheritance in that direction, with vigorous and abounding health and then feed along the line of nature as indicated.

Sheep have been associated with man in the earliest records of the human race, first being used only for milk. In this day of progress they have become a valuable product, bringing in annually large sums of money for wool and mutton. Although for many years wool production was the main object of sheep raising, it no longer holds undisputed sway, mutton having become a constant demand at high prices. Sheep are well adapted to any kind of land, flourishing well on rough and hilly land that is unavailable for crop growing, or grazing on good farming land, keeping it free from weeds and in a profitable state of fertility.

HORTICULTURE**Results from Demonstration Orchards**

"Well, you spent a lot of money fixing up those orchards in Nottawa Township this year. Did you make them pay?" Questions of this nature are being put to I. F. Metcalf, B.S.A., the energetic District Representative of the Department of Agriculture at Collingwood, these days. His reply to such questions is to go and see the orchards and talk to the men who own them and see if they don't value their orchards much more highly than they did last spring before Mr. Metcalf took hold of them.

These orchards have been worked over under a big disadvantage as the apple crop, particularly the late apple crop, is light in the Collingwood district this year. It must be considered, too, that a large part of the expense of caring for the orchards was for pruning, of which they were in great need. The total expense of pruning should not be charged against this year's crop but should be divided among the crops of a number of years. Leaving the adjacent owners of these matters out of consideration, however, some startling results—to say the least—have been secured. For instance, Mr. W. Hamilton's orchard at Collingwood netted him \$405.10 with total expenses of \$144.20, showing a net profit of \$260.20.

THE MOST PROFITABLE ORCHARD

The orchard which gave the best results this year was a small one of 50 trees owned by John Osborne, at Duncuin. The expenses of that orchard were as follows: scraping trees, \$2.25; pruning, \$24.75; first spraying, \$2.25; second spraying, \$5.25; water, \$1.75; total, \$36.50. The following were the receipts: 29 1/2 barrels of apples at \$2.50 a bbl., \$73.75; 32 bushels fall and winter apples at \$3.00 a bbl., \$24.48; 151-6 bushels culls at one cent a bbl. (not) \$0.10; a total of \$98.33. The expenses of barrels, nicking and packing at 75 cents a bbl. were \$37.88. This leaves a net profit from 50 trees of \$184.67. This with an expenditure of less than \$20 a net return of over five times the highest that was ever received before has been secured. Substantial results have therefore been obtained financially, thereby demonstrating that it pays well to take good care of the orchard. The apples also were clean and free from worms and ran a high price of No. 1's.

This could not be said of the unpruned and unprayed orchards in the same locality.

The New Brunswick Fruit Show

Who says New Brunswick cannot grow good apples? Apples, apples on every side, characterised the first fruit show ever held in Maritime Canada, that at St. John, Oct. 31 to Nov. 3. For color and quality the New Brunswick apples shown at this Fair cannot be excelled elsewhere in Canada.

The show might well be termed a real apple show, since with the exception of the preserves, jams, jellies, and other preserved fruits, the exhibits were of apples on every side. Outside of the apple exhibit, there was a single plate of plums. While the fruit crop in New Brunswick this year was not up to the average the fruit on exhibition was well grown, well colored and clean. The New Brunswick Cold Storage Warehouses had on exhibition 360 boxes of No. 1 fruit. The boxes picked by fruit growers themselves numbered about 90 in the export and domestic classes. In the classes for special prizes there were 60 entries of boxed apples. Four

boxes of fruit from each of the following provinces—New Brunswick, Nova Scotia, Ontario and British Columbia, and two boxes of apples from the Hood River Valley were exhibited by the Dominion Department of Agriculture.

The awards in the various classes were placed by G. H. Vroom, Middleton, N.S.; R. W. Starr, Wolfville, N.S.; Prof. W. T. Macoun, Ottawa; Prof. F. J. Shaw, N.S.A.C., Truro, N.S.; and Prof. J. W. Crow, N.S.A.C., Guelph, Ont. During the course of the fair, lectures were given on various phases of horticultural work by the judges as named and R. C. Treloar, Grimsby, Ont. The success of the show is due in no small measure to the energetic work of Mr. A. G. Turney, the recently appointed Provincial Horticulturist.

In New Brunswick there are 14,000,000 acres of land suitable for growing the harder fruits. For apples the climate cannot be excelled and yet the people of Canada generally and the people of New Brunswick in particular never before realized that the province was suited at all to fruit growing. The splendid exhibits at this fair will open the eyes of many and give them a new appreciation of the resources of this province down by the sea.

Nova Scotia Apple Crop

The apple crop of Nova Scotia is reported to be a worse failure than has at first anticipated. A recent despatch states that there will not be more than 15 per cent. of the average quantity available for export. Barren trees were characteristic of orchards this year and those orchardists who have only one or two 1,000 barrels this year have only one.

The condition of failure outlined is general in all Nova Scotia apple growing districts—the counties of Annapolis and Hants. Exports of apples last year to Great Britain from Nova Scotia were about 700,000 barrels. At the most this year it will not reach 170,000 barrels.

Superintendent at Jordan Harbor

Mr. A. D. Harkness of Irena, Dundas County, has been appointed superintendent of the Government's experimental farm at Jordan Harbor, in succession to the late Harry S. Pearl.

With the appointment of Mr. Harkness is announced a slight change in the management of the Jordan farm. Formerly it was in charge of a director who was responsible for all the work carried on. It is placed directly under the immediate supervision of the Director of the experiment station, Mr. P. W. Hodgetts, who will visit the farm weekly or as often as necessary to keep closely in touch with the work. Mr. Harkness will be the resident superintendent. This policy it is believed will keep the Department in closer touch with the farm, and result in its increased usefulness.

Since taking a course at the Ontario Agricultural College, Mr. Harkness has been one of the most prominent fruit growers in Eastern Ontario. He has built up one of the most successful orchards in the eastern part of the Province—a good recommendation for his future work, as it is desired at the Jordan Station, while not neglecting the experimental side, to give as much attention as possible to the commercial aspect of the work. Mr. Harkness has served as a director of the Ontario Fruit Growers' Association and he is widely known as an Institute speaker. Mr. Harkness will commence his new duties at once.

Apples are almost a complete failure. There is not a car load for sale in 10 square miles.—Andrew Gammer Bruce Co. Ont.

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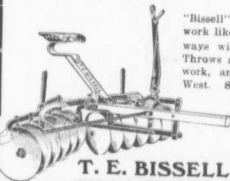
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