Silos on Manitoulin Island

1. J. Metcalf, B.S.A., District Representative, Manitoulin Island, Ontario.

IVE stock production on Manitou-lin Island is limited only by the amount of feed which can be raised to keep the stock over winter since there is plenty of cheap pasture for the stock in the summer. The one crop which can be depended on to give the most feed to the acre is corn. To be sive a good many people have raised the point as to whether corn can be successfully grown here or not, bu* the results of two years' work with our acre profit competition shows that in all parts of the island corn can be successfully gro... and will return profits in nearly all cases high as the total value of any other crop that can be raised.

While in many cases corn has been accessfully raised on Manitoul'n Island, yet in only very few cases has the corn been fed to advantage. In order to make the best use of corn it must be put in the silo as there is considerable waste by any other method of feeding it. A number of method of recang it. A number of types of silos have now been built here, and I have endeavored to get full information as to the cost of con-structing these. I have endeavored to figure costs that would have to be on the farmer's own materials, which he has in his own bush, rather than to give that material the price it would be really worth if he went to the mill to buy it. In the cases given, I have placed the cost of saw-ing and dressing lumber for instance, more than the market where of that more present the either. In the which he has in his own bush, rather lumber, against the silos. In the case of the Runnalls' silos, however, the materials were all bought, and In the the materials were an obught, and therefore were charged at market prices. Labor, which in most cases was simply estimated on a basis of man labor, is a large part of the silo's

man labor, is a large part of the sub s cost and in most cases the builder could perform the labor himself. The kind of silo that I would advise building would be of the type of Letts' and Donaldson's silos. They Letts' and Lonaldson's slios. They are very durable silos, and have the advantage of having a hollow wall so that the silage will not freeze. An Octagonal Silo

The first silo was built by Mr. Wm. Clarke, of Silver Water, it being octa-gon (or eight sided) in shape and 10 ft, by 24 ft. in size. It was built some years ago when material was cheaper than at present, and was constructed by simply lying scantling on top of by simply lying scanting on top of each other-putting first the scant-ling, then leaving a space the size of the scanting, then laying another scanting and so on right up. It was then boarded on each side with rough lumber and shingled on the straid. utside. The cost would be about as follows :

Total

This silo has no roof and no chute

but is inside of barn. The next silo was built by Mr. Geo. Griffith, of Poplar, it being sub-

by Mr. Love and the other by Mr. Wm. Vincer-both of Mindemoya. These silos were practically the same

These silos were practically the same size and cost about the same, Mr. Vincer's costs being given below. This silo is 10% feet by 22 feet. 118 hage of ement at 86. 587.56 def. of immeber for chuice and roof za 826.06 a M. 250.06 minutes for chuice and roof za 10 250 days labor at 87.5 a days. 10 days labor at 87.5 a days. \$165.00

Total Last summer Messrs. W. O. Run-nalls and A. Runnalls of Barrie Island built modified forms of stave silos, consisting of two layers of inch hemlock, with elm staves around at varying distances for the hoops. These silos are 12 feet by 35 feet, and the costs were approximately the same, Mr. W. O. Runnalls' costs be-

. \$150.47 Total The cost includes chute, but no roof.

Cement Plastered Silo

Mr. Peter Donaldson of Gore Bay built a cement plastered silo 13 feet by 34 feet this past summer. First a by 34 feet this past summer. concrete foundation that would come concrete fouriation that would come up through the ground was built and a ring of scanting was bedded into the cement top; 2 by 4 scanting was spiked to this to extend upright to the height of the silo, the distance apart being 12 inches from centre to centre. These were then lathed inside and out with elm lath and plastered with a mixture of lime, mortar, and cement. The elm lath were made by taking the green elm lath were made by and having them first sawed into plank. These plank were the plank. These plank were then saw-ed on the narrow side to make half-inch lath. The essential feature of this is that the lath must be green when applied or else given a thorough wetting in a creek or a trough. De-tails of costs were as follows:

Total \$207.20

Another Plastered Silo

Mr. O. E. Letts of Barrie Island put up a silo last summer very simi-lar to Mr. Donaldson's, the difference being that he used a large number of braces, being simply inch stuff running at a slant from one stud to the next, and nailed flat on the outside of the studding and only long enough to run from one stud to the next; and also having tongued and grooved inch sheeting on the outside instead of lath and plaster. There were also

The next silo was The next silo was the of Griffith's, of Poplar, it beau action of the poplar, it beau the poplar of the poplar, it beau poplar of the poplar, it beau poplar of the pop

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