

stabling accommodations for 40 milch cows.

This year's hay crop embraced 90 acres. Despite the large barn, all of this hay had to be stacked in order that the storage room in the barn might be left for the grain crop. For convenience in handling the crops on the farm, the 160-acre block surrounding the buildings has been divided by two well built roads which cross at right angles, into four 40-acre fields. The management of this farm shows the result of the judicious spending of money and shows further the opportunity open in New Ontario to the man who has both money and farm experience and who wants scope for his plans.

Making of an Ontario Dairy Farm

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to \$250 every month of the year. Then, said he, "we are never short of cash." He believes, however, that he can produce milk cheaper on mature crops than on pasture.

Drains. The drains, which are being added to continually, a short rotation and a large amount of live stock account for the productivity of the farm itself. Everything grown on the farm is fed on the farm. In one year Mr. Stock threshed as much as 1,500 bushels of oats and over 500 bushels of barley. A three-year rotation is followed. Ever since the farm came into Mr. Stock's hands, first as a renter and later as owner, clover has been sown at every opportunity and to this he attributes the fine, mechanical condition of his soil. "The best corn crop I ever had," said he, "I planted on June 15th after plowing down clover that was a foot high." Rape is seeded with the corn and goes right into the silo, there not being enough of it in the ensilage to taint the milk. Seventeen to 18 acres of corn are grown, enough to fill the two silos with some left over to feed while the corn in the silo is maturing. The corn crop in 1916 was short, but the silos were filled and at the time of my visit in the spring, a silo 10x36 was still two-thirds full for summer feeding.

In recent years Mr. Stock has remodelled his stables, rebuilding with concrete and steel throughout. A two-horse power engine runs the cream separator in one of the cleanest little milk rooms I ever saw, pumps water and pulps roots, performing all three operations at the same time. In summer it is used to cut wood and run the grindstone. In short it is a "general chore boy." Incidentally I might mention that there is ample room in a L. of the barn for hogs, of which over \$1,200 worth were sold in 1916.

The farm is not paid for yet. It might have been but, instead, the money has been put in improvements. Wire fences are everywhere and the tile drainage system is nearing completion. Last year was a banner year for improvements. A new kitchen was added to the house, along with running water, a bathroom and all modern conveniences. Two big patent stave silos, 10x36 and 14x36, were purchased and erected.

And the end is not yet, for now the firm is known as Wm. Stock and Sons. The boys are just as interested as their dad in the farm and its cattle, and under their joint efforts Cherry Grove Farm should make for itself a place of increasing importance in the Holstein world. Already it affords a splendid example of dairy farming of the sane progressive kind.

A little rye seeded in the corn at the last cultivation will make good pasture late in the fall and early next spring. It is worthy of an experiment in Ontario, at least.

Harvesting the Corn Crop and Filling the Silo

(Continued from page 6.)

distributed throughout the silo. The sides should be kept higher than the centre, and the whole surface kept well tramped. Much of the tramping should be done close to the walls.

Various contrivances have been used for distributing the silage. The one commonly recommended for this purpose, however, is a metal pipe similar to the one in which the cut corn is elevated, but put together loosely in sections. The corn from the blower passes down this pipe into the silo, and being loosely put together it can be swung so that the material can be placed anywhere in the silo. With this contrivance no work with a fork is necessary and one man can do the work of two or three and do it more easily.

Adding Water.

In case the material has become too dry before it is put into the silo, water should be added to supply the deficiency of moisture necessary to make the silage pack properly. Unless it is well packed the silage will "fire-fang" or deteriorate through the growth of mold. Enough water should be added to restore the moisture content of the corn to what it would be if cut at the proper stage. The water may be added by running it directly into the silo by means of a hose or by running it through the blower. It is claimed that by running it into the blower the water is more thoroughly mixed with the cut corn.

It seems to be good practice, no matter what the condition of the corn is, to wet down the material thoroughly at the top of the silo, when doing the filling. This will help to pack the top layer and lessen the amount of spoiled silage on top.

Covering the Silage.

Several years ago it was a common practice to cover the silage with some material, such as dirt or cut straw, in order to prevent the top layer from spoiling. At present when any provision at all is made for this purpose it consists usually in merely running in on top cornstalks from which the ears have been removed. By this method some of the corn grain is saved. The heavy green cornstalks pack much better than straw does and so excludes the air more effectually. The top is thoroughly tramped and then wet down.

Labor and Teams Required.

The labor and teams to be used will of course depend upon the help available, the length of haul, and the efficiency of the machinery. With plenty of help, a short haul and good machinery, the following distribution of labor might well be used:

1 man and 3 horses to bind the corn.

3 or 4 men to load the corn.

3 men and 6 horses to haul.

1 man to help unload.

1 man to feed the cutter.

1 or 2 men to work in the silo.

1 man to tend the engine, if steam engine is used.

Total, 11 to 13 men, 9 horses, and 3 wagons.

The least amount of help which it would be possible to work to advantage might be arranged as follows:

1 man and two horses to bind the corn.

2 men to help teamsters load.

2 men and 4 horses to haul and unload.

1 man to feed.

1 man in the silo.

Total, 7 men, 6 horses, and 2 wagons.

A good manager is required to arrange the help so that each man and team can do the most efficient work. Without careful attention to this matter the operation of filling the silo becomes needlessly expensive.



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