

You Can Solve the Problem
of raising young calves **ECONOMICALLY**
by using

Gardiner's Calf Meal

THE PERFECT CREAM SUBSTITUTE

along with your separated milk, this is no experiment but has been proven successful by thousands of our customers.

The good reports from the users of our Calf Meal which are coming to us every day are our best guarantee as to the value of our Calf Meal for raising calves. Our Calf Meal prevents scours, in fact we have several customers who have given us positive proof that our Calf Meal has cured bad cases of scouring in their calves.

Why not give it a trial?
If your dealer does not handle our meal write direct for our Special offer of a Trial Sack of 100-lbs. prepaid to your nearest station.

Save the Young Chick

One of the greatest sources of revenue in poultry raising is to be able to bring the maximum number of young chicks from the hatch unto full maturity. This can be done by feeding

Gardiner's Baby Chick Food

to the baby chicks for the first few weeks until they are old enough to take larger grain when they may be fed our Chick Food.

Our **BABY CHICK FOOD** is a special preparation for the baby chicks made from the finest of cereals carefully prepared in the right proportions and partially predigested, making it an exceptionally good food for bringing the young chicks past the critical period of the first few weeks. It is very low in fibre, making it very suitable for the tender digestion of the baby chicks.

You don't feed a baby like a man, neither should you feed a Baby Chick like a full grown hen.

Put up in 25-ct. packages or in 25-lb., 50-lb. and 100-lb. bags.

Ask for our special prices of assorted orders of 500 lbs. of our Calf Meal and Poultry Foods. Manufactured by

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We can supply you with farm engines from 1 h.p. up, sprayers, lighting systems, farm scales, hand and power tools, etc. Particulars on request. Address Dept. 40

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Questions and Answers. Miscellaneous.

Holidays.

Tell me the legal holidays on the farm. Is Good Friday one of them for the hired man? Also, what chores is a hired man to do on those days? R. C.

Ans.—In the absence of any agreement to the contrary, hired help in Ontario is entitled to Sundays, New Year's Day, Good Friday, Easter Monday, Victoria Day, Dominion Day, Labor Day, Thanksgiving Day, Christmas Day, and any other day or days proclaimed as public holidays. These holidays, of course, are taken subject to necessary chores. It is difficult to state just what chores should be done, but all matters of feeding and caring for the farm live stock come under this heading.

Siphoning Water—Millet.

1. Will a pipe lift water out of well 15 feet deep, and run it to trough in pasture 500 feet from well? I am told it will. Does it give any trouble? The trough is, of course, a little lower than bottom of well.

2. How large a pipe would be best for summer use? Has any reader such an arrangement in use?

3. Would millet do sown as late as the first of August, to cut for feed? Will the frost stop the growth or hurt it for feed? YOUNG READER.

Ans.—1. It would be possible to siphon the water out of the well, provided the trough is below the bottom of the well, and you succeed in getting water to flow through this pipe. It would be necessary to keep the pipe air-tight, and keep water flowing through it all the time. You would have to pump water up through it to commence the siphoning. We do not know any such arrangement working to as great a depth at the present time.

2. Use a small pipe, one-half inch or inch should be large enough.

3. The millet should be sown earlier than the first of August. Frost will stop its growth. The latter part of May or the first of June would be a better time to sow, and cut before hard frosts in the fall.

Height of Silo.

Would you kindly tell me just why a silo must be so high in proportion to its diameter? Is it to obtain the great pressure necessary, and is there no way of obviating this great height, with its attendant expense of filling, by loading with stone, or some other way? We only keep four cows, and maybe fifteen head of cattle all told, and a 30-foot silo would be foolish with but a foot or two of silage in it, as I can only grow a small patch of corn. Now, my idea was a 16-foot silo, 8 feet in diameter, which I can fill right from the high side of my bank barn, with my gasoline engine, a cutter, etc., and shovel. Is this utterly impracticable? If it is, it means no silo for me, and I want one. I suggest four feet underground, and raising my engine and cutter to the level of the wagon-rack, and simply shoveling in the cut corn by the top of the silo and then loading with a ton of stone. E. S.

Ans.—One of the main reasons why a silo must be built high is to get the necessary weight to keep out air and avoid spoiling of the silage. Another thing is that the diameter must not be greater than just enough to allow of a sufficient quantity to be removed from all over the top each day. From one inch and a half to two inches should be taken off, otherwise there will be a considerable waste from spoiled silage. The plan which you intend following is scarcely practical, although you might succeed in keeping a fair amount of silage for the stock. A sixteen-foot silo is too low, and even though you placed a ton of stone on top of it, it would not be of sufficient weight to make it solid. Compare this with the silo which contains 120 to 150 tons, and you will easily see the difference in the pressure which would be brought to bear upon the ensilage down in the silo. If you decide to try this method, give our readers the benefit of your experience, after you have used this silo a winter or two. We would advise increasing the height, and possibly increasing the diameter to at least ten feet.

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