



## Milks 80 to 100 Cows

Read this Testimony of the B-L-K Milker, which it will pay you to have to milk your cows and be independent of hired help.

Q Your enquiry as to success we have had in operating the B-L-K Mechanical Milker, replied by you, received, and in reply would say that we are well pleased with them. We have kept records of our herd yields for some time, and find that the machine does not affect the yields of our cows in any appreciable extent.

Q There have only been four cows in our herd that did not take kindly to the Milker, and we are milking something like eighty to one hundred cows regularly. The best results are obtained from heifers, that are started on the machine in this case the stripping, while we follow the practice with them as with the older cows, might be dispensed with, as the heifers in all cases have always milked out clean, unless some mistake of some kind has been made.

Q As to the economy of the installation, I figure that with average milkers in a herd the size of ours, the outfit will pay for itself in ONE YEAR.

Write us for an estimate of just what it will cost you to have a B-L-K Milker in your stable. Our books describing these machines will interest you. Send to-night for your copy.

## D. Derbyshire & Co.

Head Office and Works - BROCKVILLE, ONT.  
Branches: PETERBOROUGH, ONT. MONTREAL AND QUEBEC, P.Q.

WE WANT AGENTS IN A FEW UNREPRESENTED DISTRICTS

## Build Up Run Down Stock

Are your horses thin, rough-coated, unable to do heavy work, cows scrawny, weak, producing little, sheep in poor flesh, with uneven fleeces; hogs stunted, making no gains? Rather poor outlook for a profitable season!

These conditions are probably due to poor digestion, inactive liver and bowels, and sluggish circulation. Worms correct these conditions immediately.

**Pratt's Animal Regulator**  
will do this. The greatest animal conditioner known  
25c, 50c, 81; 25-lb. pail \$3.50

**Pratt's Worm Powder**  
1913 Almanac FREE at dealers, or write us.  
Our products are sold by dealers everywhere, or  
**PRATT FOOD CO. OF CANADA, Ltd.**  
Toronto, Ont.

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### The Importance of Ventilation

The importance of good ventilation in the stable was recently brought home to his constituents by Mr. J. F. Metcalf, District Representative of the Ontario Department of Agriculture on Manitoulin Island, when he sent each one of them the following letter:

February 7th, 1913.

"This winter you are, no doubt, feeding a lot of stock and probably have a large number of animals crowded into a comparatively small space. If your stables are at all close and warm, you will find your cattle sweating a good deal. In that case you are not getting nearly the value that you should from the feed given because it takes a lot of internal heat (produced by food) to evaporate the moisture from the animals' bodies. Whether your stable is warm or not, if it is close and tight, you will find that the air there is especially when first entering in the morning—is quite foul. That simply means that there is a lack of ventilation, since in leaving a well ventilated stable, you should not carry the smell of the stable in your clothes. Is your stable as well ventilated as that? If not, should you not seriously consider this matter?"

#### WHY OXYGEN IS NEEDED

"When the food is digested it goes into the blood and is in making the necessary repairs in the animals' body (the upkeep) and any balance is used in adding flesh or producing milk. A large amount of oxygen is used up in this process (in the blood) and has to be added from the supply of air in the lungs. If the air in the lungs is foul air that has been breathed over and over again by the animals there will be no oxygen left, and the repairing and building up process cannot proceed with any advantage until fresh air, with plenty of oxygen, can be obtained. This condition of affairs will not exist until the animals are turned out for water, and then passed on for a short time. The consequence is that while you may be feeding plenty of good food, yet your animals are not laying on flesh or producing milk as they should—in other words you are wasting good food for the lack of a little pure air, which is much cheaper to get than food. This statement applies to all kinds of farm stock, and is one of the reasons why you don't get many eggs in the winter. It applies to yourself and your family too.

"The point I want to make is that in all probability you are closing up your stables tight this cold weather in the belief that you are making your animals more comfortable, and that less food will be required, when, as a matter of fact, you are probably making them more uncomfortable, and feeding more food, besides running the risk of getting tuberculosis in your herd. Better have your stables cool, but with fairly pure air, rather than having them too warm and close.

#### A SIMPLE VENTILATING SYSTEM

"In order to have good ventilation it is neither necessary nor advisable to have chinks in the walls that will make drafts. Have several good sized holes in the walls on various sides of the building and when the wind is blowing from one side close all the holes on that side with straw or rags. It would be well, too, to have one or several holes in the ceiling to take off the foul air which always rises. Of course it would be best to take this foul air in shutters up to the roof and let it out there, but better let it loose in the barn than keep it in the stable. Fixing the upper halves of your doors so that a framework covered with cheese cloth or linen sacking, can be used for a part of the day

at least instead of the closed door will help to ventilate the stable and will also add light, which is another essential to good health. The addition of more window space to your stables is almost as important as fresh air.

"Of course if you are building a new stable or altering the old one, there are different ventilating systems that can be made use of with very little expense, and if you are interested in going deeper into this matter, I will let you have further information if you will write to—or, better still, call at the Department of Agriculture Office."

### National Show Endorsed

At the recent annual meeting in Montreal of the Canadian Ayrshire Breeders' Association a proposal to hold a provincial dairy show or live stock show in Toronto was endorsed as it has been by the other dairy live stock and dairymen's associations of Ontario. The loan of directors of the association which had considered the question the day before, recommended the appointment of Mr. W. W. Ballantyne, of Stratford, and Mr. A. C. Hammill, of Box Grove, as a committee to confer with the representatives of the other associations in regard to this matter. The recommendation was adopted and the committee appointed.

In speaking on this resolution Mr. John K. Kee, of Norwich, stated that the movement to hold this show is the outcome of a great deal of dissatisfaction among the breeders of dairy cattle who have been showing at the Ontario Winter Fair for a number of years back. A few years ago it was proposed to hold a provincial dairy show in Toronto. The idea met with general approval among the dairymen but did not receive the approval of the Ontario Government, and finally was dropped. Recently, however, it has come to the front again and the time seems to be opportune. Many prominent people are advocating the holding of a grand live stock exposition in Toronto, and it is believed that the Dominion Government would be willing to favor such a proposal.

Others would prefer to see a dairy show held there by itself. It is believed that Kee also believed that the dairy features of such a show should be given special prominence, but he also believed that in union there is strength and that it might be possible to do better by combining the dairy features with live stock exposition in which several classes of live stock would be included. It is proposed, he explained, to erect suitable buildings on the grounds of the Canadian National Exhibition.

The Eastern and Western Ontario Dairymen's Associations and the Holstein, Jersey and Ayrshire Cattle Breeders' Associations have now appointed committees to consider the proposal. It is probable that a meeting of this committee will be held some time soon in Toronto.

White pine may be introduced into a wood lot where grass will grow with a certainty that they too will grow.—Prof. E. J. Zaritz, O.A.C., Guelph.

Potato growers who are also fruit growers would like to use lime-sulphur sprays for both fruit diseases and potato blight; but researches made by the Station at Geneva, N.Y., prove it unsafe to spray potatoes with the lime-sulphur solution. In 1911 and again in 1912 the use of the newer fungicide resulted in dwarfing of the potato plants, while Bordeaux mixture apparently increased the vigor of the plants and was an efficient protector against blight.