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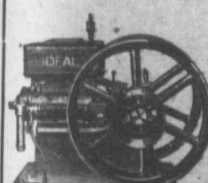
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easy to permanently guard against the disease is a knowledge of its workings and the measures necessary to wipe it out. The following are several things that every livestock man should know regarding it: Its disease.

It is caused by bacteria and the only way that infection can take place is through abrasions of the skin, as wounds caused by barbed wire, thorns, awns of grain, or teething trouble in young animals. In low-lying lands are particularly liable to be infected, and infected areas remain so indefinitely, and in pasturing on, or being fed on fodder from these lands, are liable to infection, though horses and older cattle are to a great extent immune. The development of the disease is quick, and it is practically always fatal.

The symptoms are very noticeable. There is a lameness, with the presence of a tumor or swelling, usually upon one quarter of the animal. These tumors are characterized by the fact that when they are touched, or when the hand is rubbed over them, a peculiar crackling sound is produced. Loss of appetite and general depression follow with a high and quickened pulse. Finally, the animal goes down and becomes weaker and weaker, the extremities get cold, and death results in from 4 to 48 hours.

There is practically no effective treatment. Preventive inoculation, which is simple and inexpensive, is the best and surest method. It consists of inoculating all the young animals in the infected area with a vaccine prepared for the purpose. This can be done with a hypodermic syringe, or by the use of a specially-prepared needle and inoculated threads. The latter method is very simple. It can be performed by almost anyone and is quite effective.

The needle and threads can be purchased from the Veterinary Director General at Ottawa, who will send with them full directions for performing the operation. The cost is so small that no stockman can afford to neglect his animals and run the risk of loss.

Veterinary Department

Pigs Cough

I HAVE several pigs that, after eating, will stand and cough. Can you tell me what is the cause?—G. W. W., Hastings Co., Ont.

The symptoms indicate that they eat too greedily and practically choke. Feed out of a trough with a large bottom, so that the food will not be deep enough for them to get large mouthfuls.

Abnormal Appetite

WOULD like to know what my cow requires. In the summer they would hunt for bones to chew, and lately they have taken to sticking bits of hemlock lumber and saw bits of leather they can find.—R. S. Durham Co., Ont.

Allow free access to salt, feed liberally on bran and give each two drams of calcium phosphate three times daily until the habit ceases.

Uterine Discharge

I HAVE a young cow about four years old that slipped her calf at foot two weeks ago. Since then she has been losing a great deal of slimy substance with it. She is in flesh. Would like to know what is the cause and how to cure. Am giving her bran mash and drugs. An early reply will be appreciated.

Flush out the womb once daily with about a gallon of a warm one per cent solution of eosin. Give one ounce thickener of iron in a pint of cold water as a drench twice daily until blood ceases to pass. Feed well

on hay, bran, chop and roots. If she shows symptoms of constipation give one pint raw linseed oil.

Rumination

I HAVE a pure bred cow that I have never seen chewing her cud. She seems to be in good health. Is there such a thing as a cow losing their cud? What treatment should she receive?—W. F. C. Perry Sound Dist., Ont.

Your cow certainly ruminates or chews her cud. You say she is in good

health, hence do not worry because you have not seen her chewing her cud. The cud is simply a bolus of the imperfectly masticated food regurgitated to the mouth for remastication. As a rule sick cows do not ruminate, but there is no disease or condition known as "losing the cud."

A large proportion of fatalities among dairy cows are due to two causes—carelessness or ignorance. Both are remediable.



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