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is dry to the touch, of a pleasant odor, easily digested and most palatable. Your animals will like it—they'll take up weight quickly—grow glossy coats, and have all the natural sprits of perfect health. **Caldwell's Molasses Meal** is the only feed in which pure cane molasses is the principal ingredient. It contains 84% pure cane molasses and is always uniform in quality. You will oblige us by notifying the factory if your dealer cannot supply you.

The Caldwell Feed Co. Ltd., Dundas, Ont.

Molasses Meal, Dairy Meal, Cream, Call Meal, Poultry Meal.
Substitute

County, Place for meeting.	Date.
Carleton—Renfrewville	Nov. 25, 2.30 p.m.
Carleton—Suttonville	Nov. 25, 2.30 p.m.
Russell—Hammonton	Nov. 27, 2.30 p.m.
Prescott—Vanhook Hill	Nov. 28, 2.30 p.m.
Glengarry—Alexandria	Nov. 28, 2.30 p.m.
Stormont—Wales	Dec. 1, 2.30 p.m.
Glennville—Kempville	Dec. 2, 2.30 p.m.
Lanark—Smith's Falls	Dec. 4, 2.30 p.m.
Leda—Belleville	Dec. 5, 2.30 p.m.
Lennox—Napanee	Dec. 5, 2.30 p.m.
Frontenac—Hartington	Dec. 7, 2.30 p.m.
Hastings—Belleville	Dec. 8, 2.30 p.m.
Prince Edward—Pictou	Dec. 10, 2.30 p.m.
Hastings—N. Stirling	Dec. 11, 2.30 p.m.
Northumberland—Campford	Dec. 12, 2.30 p.m.
Peterborough—Norrwood	Dec. 15, 2.30 p.m.
Victoria—Lindsay	Dec. 17, 2.30 p.m.

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tion when he heads the flock of a neighborhood, or the disease may be introduced with sittings of eggs. The greatest care should be exercised to prevent any possible source of infection reaching a flock or locality now free from disease.

CATCH THE DISEASE EARLY

The early diagnosis of the first case is an essential feature in connection with the prevention and treatment. As has already been indicated, it is the early diagnosis that will prove the essential factor in successful prevention and treatment. The isolation of the first case may many times prevent further manifestations of the disease. From our experiments, however, it appears that there may be chronic carriers of the disease whose droppings are continually infected, notwithstanding the fact that they exhibit very slight if any symptoms. This suggests that isolation may not be as potent a factor in preventing losses as desired, but I believe that it should be enforced to such an extent as will prevent the old and young flocks intermingling after the first appearance of the disease.

Our experiments in the treatment of entero-hepatitis have been directed to the finding of some agent which will successfully carry off and birds over an acute attack and enable their being conditioned for market.

MURIATIC ACID BENEFICIAL

There is to my knowledge no known specific for controlling the ravages of this affection. The use of muriatic acid in the drinking water was found some six years ago to be followed by beneficial results on affected turkeys that I was trying to raise at home. Later it was given a single turkey at this laboratory made an apparent recovery. During the past two years we have recommended it as being the best medicinal agent which we know to assist in overcoming the affection. Last year five affected birds recovered after receiving liberal allowances of this acid. One of these which was carried by me to determine the presence or absence of lesions was found to be normal in every respect so far as we could determine.

Some apparently remarkable recoveries have followed the use of this acid but one cannot hope to bring all affected birds through an attack. I was first prompted to use this acid as I found that the contents of the digestive tract in turkeys dead of entero-hepatitis or black head to be alkaline in reaction.

The acid to be used is a teaspoonful of muriatic acid (Acid. Mur. Dil. B.P.) in a quart of drinking water. This acidulated water should be placed in a porcelain or glass vessel and is suggested in the hope that the birds may be carried over an acute attack. At the outset when the birds show evidence of being severely affected, it may be of advantage to triple the amount of acid (using three teaspoonfuls to the quart of water) for the first three days. This amount will not injure the turkeys and may assist them in more rapidly overcoming the infection.

They should be confined during the period on dry, sandbed board floors in light and well ventilated quarters and allowed access to no other liquid. If allowed to roam they will obtain sufficient water for their requirements from the dew laden grass or other sources and, therefore, will not drink the acidulated water. If confined green food should be supplied in addition to the ration. Other medicinal agents may give equally satisfactory results as that outlined in the case of the above outlined, in which case my advice would be to stick to the remedy which has proved the most effective. If such other medicinal agents are effective we will appreciate learning of

them. We will also appreciate information as to the success or otherwise of the treatment herein recommended.

SENDING MATERIAL FOR EXAMINATION.
Where it is desired to determine the nature of any condition causing losses among turkeys, an examination will be undertaken provided suitable material is supplied. It is preferable to have affected turkeys forwarded alive by express in order that a thorough autopsy may be made. The express charges are paid by the Biological Laboratory. When the condition has been found by autopsy the tissues may be sent by mail if properly packed and preserved. Tissues may be preserved in fine alcohol or a solution of one part of formaldehyde to nine parts of water. After an examination has been made, suggestions will be forwarded for the prevention of further loss. Specimens sent should be addressed to the:

Biological Laboratory, Ottawa, Canada.

Information concerning the losses which have been experienced should be sent with the material, in order that it may be properly identified. The name and address should be written plainly in order that the result of the examination may be forwarded to the sender with the least possible delay.

Our Veterinary Adviser

HEIFER SUCKS HERSELF.—A heifer two years old sucks herself at times would you kindly suggest something to break her of this habit as she is the mother of a good cow?—J. O. Peterboro, Ont.

Get two ordinary bull rings. Slip one in the other, and then insert one in the nasal septum in the ordinary manner of ringing bulls. If necessary add a third ring.

URINARY TROUBLE.—A valuable ad seems to be ailing with kidneys. Will stand for a period of five months. Would you kindly suggest something to break her of this habit as she is the mother of a good cow?—J. O. Peterboro, Ont.

CRIPPLED PIGS.—A number of your pigs, about three months old, manifest great weakness of the spine, frequently falling upon their bellies in walking about the yard and when feeding at the trough. What would you suggest to be the cause of the trouble and how to remedy it?—L. D. Northumberland, Ont.

This is due to lack of exercise and high feeding. Purge each with one ounce Epsom salts and feed on milk and grass. Feed on milk and plenty of exercise. Give sufficient of Epsom salts Epsom salt, sulphur and powdered charcoal in food daily to keep their bowels moving freely.

SUPPURATIVE MAMMITS.—I have a two-year-old heifer that came in in the spring. She milked at right angles for months, then one of her teats gave trouble which later developed to matter. What is the trouble?—J. S. Ont.

The quarter received a direct injury in some way and the formation of pus resulted. Bathe the quarter frequently with hot water, and after bathing rub well with camphor and oil. Milk the quarter four or five times daily. If abscess should form they will have to be lanced, the cavities flushed out three times daily until healed with a 10% cent solution of potassium permanganate three times daily. This case of suppurative mammitis.