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Ontario Creameries, Limited
London, Ontario

Heaves

AND HOW TO CURE
—A Standard treatment with years of success back of it to guarantee results is

Fleming's Tonic
Heave Remedy

Use it on any case—No matter what else has been tried—and if three boxes fail to relieve, we will refund full amount paid. Further details in

Fleming's Vest Pocket
Veterinary Adviser

Write us for a Free Copy

BEST EVER USED

Dear Sirs—Enclosed find \$1.00 for 1 package of Tonic Heave Remedy. I used a package last year and completely cured a case of Heaves of some 3 years' standing.

H. B. BURKHOLDER, Lillooet, B.C.
Per Box, \$1.00; 5 for \$2.50

FLEMING BROS., Chemists
76 Church St. Toronto



SELDOM SEE

a big knee like this, but your horse may have a bunch or bruise on his ankle, hock, stifle, knee or throat.

ABSORBINE

TRADE MARK REG. U.S. PAT. OFF.

will clean it off without laying up the horse. No blister, no hair gone. Concentrated—only a few drops required at an application. \$2.50 per bottle delivered. Describe your case for special instructions, and Book 8 R free. ABSORBINE, JR., the anti-septic liniment for mankind, reduces Painful Swellings, Enlarged Glands, Wens, Bruises, Varicose Veins; allays Pain and Inflammation. Price \$1.25 a bottle at druggists or delivered. Liberal trial bottle postpaid for 10c.

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Pratt's
Animal
Regulator
Keeps your stock in fine fettle. Builds up run-down animals. Acts gently but surely on the blood, bowels, liver and digestive organs. Booklet FREE. Write for it NOW.
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FOR SALE

PERCHERON STALLION, HARRISON (IMP.) France, 74902; U. S., 52505; Canadian, 1391. Enrollment No. 1483, Approved, Form I. Color, apple grey; foaled 1907. Has travelled eight successful years on one route and proved himself 80 per cent. of a foal-getter.

Herman Smith, R. R. No. 1, Wheatley, Ont.

Advocate Ads. Pay

Sterilization of Tobacco Seed.

In order to obtain strong healthy plants it is very essential to sterilize the tobacco seed beds before sowing. A large percentage of losses in the field from root-rot and Mosaic diseases originate in the seed beds and can be checked by a thorough sterilization.

The transplanting of diseased seedlings not only means heavy losses from a reduced yield and very inferior crop, but the soil also becomes infected with the disease which renders the growing of tobacco on it in the future a hazardous undertaking. Aside from freeing the beds of disease, weed seeds are also killed by an effective steam sterilization. This alone will pay for the sterilization of the beds by the saving of labor required to weed the beds. The inverted pan method is the most practical and economical to use in the steam sterilization of beds. A good traction engine can be obtained in most any locality where tobacco is grown. The steaming pan or box, which should be from 10 to 12 feet long and 6 feet wide can be made from galvanized sheet iron or tongued and grooved boards 1½ inches thick. The galvanized pan where properly made and reinforced will last longer but will cost more than one made of wood on account of the rather high cost of such material at the present time. In either case the pan should be made very tight in order that no steam will escape from the pan during the steaming operations. There should be a 1¼-inch opening in one end of the pan equipped with a galvanized pipe and coupling on which to attach the steaming hose or pipe with the engine. A diffuser should be attached to this opening inside the pan in order to distribute the steam more uniformly to all parts of the pan. Handles should be on the sides of the pan to facilitate moving the pan along the bed. Several farmers in a locality should co-operate in the purchase of the pan.

The bed should be thoroughly prepared for seeding before steaming. The pan should be placed on the bed and the edges firmly pressed into the soil before the steam is turned on from the engine. Best results have been obtained by allowing steam to run into the pan for 30 minutes at a pressure of 100 lbs. on the engine. The steam can then be turned off and the pan removed to another section of the bed. In order to not re-infect the bed one should avoid walking on it after sterilization. The use of two pans will greatly facilitate the work. The frames should be placed around the beds immediately after sterilization. The beds can be sown 1 to 3 days after sterilization.

The surface of steamed soils is inclined to dry out more rapidly than unsteamed soils and will require watering more often until the plants are large enough to cover the ground.

Don't use too much water at first as this will have a tendency to drift the seed and small seedlings, giving the bed an uneven appearance.

G. C. ROUTT,
Plant Breeder and Pathologist, Ottawa.

Questions and Answers.

Veterinary.

Apoplexy.

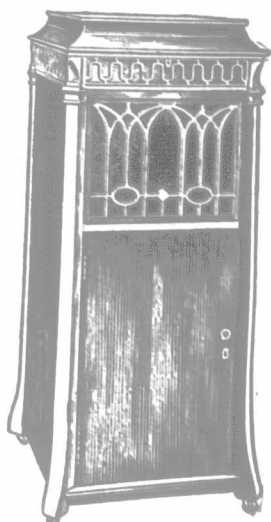
Pig eight months old, while eating began to stagger, held head to one side, fell down, squealed and appeared to suffer pain. Later on it was lying down with all feet working as if it were running. It lay and acted in this way for 36 hours. I then killed it and a post mortem revealed the kidneys very large, the bladder very full and the heart was also very large.

G. McC.
Ans.—This was a case of apoplexy. It is usually caused by high feeding and want of exercise.

Treatment.—Bleeding is recommended. Tie a string tightly above the knee, the vein on the inside of the leg will fill up; then with a sharp knife make an opening into it. For a pig of this age a small tea cup of blood would be enough to extract; then remove the string and pin up the opening in the usual manner, by pressing a small pin through the lips of the wound and tying a thread around the pin. Leave the pin in for two days.

Another treatment is to purge with 1 oz. Epsom salts, feed lightly for a few days and see that the patient takes exercise as soon as he can move.

Prevention consists in allowing exercise every day.



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