

a town complies with these regulations it may apply for the assistance of one of the Dominion veterinary inspectors to apply the tuberculin test, and make a physical examinations of the animals.

Cows that may be found to be affected with open tuberculosis, and therefore, distributing the germs are slaughtered in the presence of an inspector, who shall give directions as to the disposal of the carcass. Cows that are not affected with open tuberculosis, but are reactors to the test, are to be slaughtered, or may be separated and prepared for the block by feeding, or they may be retained in the herd, but no milk or cream shall be sold from the herd until it has been pasteurized.

The regulations provide for compensation to the extent of one-half the value of the animals slaughtered because of open tuberculosis, and one-third the value in the case of reactors. The owner of the cattle is allowed the salvage of the carcasses, but this with the amount allowed by the Government must not exceed the value of the animals.

From time to time tests of the dairies are to be made; and no new animals added to the herd without first undergoing a tuberculin test. When an animal has been tested twice with negative results it is considered free from the disease, and the veterinary inspector gives a certificate to this effect.

It has been urged against these regulations that it will increase the price of milk to a prohibitive one. Not so. The number of cows afflicted with open tuberculosis will not be great; and those affected with closed tuberculosis and revealed only by test, may be left in the herd, but all milk from such a source must be pasteurized in a proper manner. If this is not complied with, then the animals must be slaughtered or separated from the herd and allowed to go dry and be fed for the block. It has been asserted by some veterinary authorities that all the way from 65 to 90 per cent. of cows are tubercular. The City of Toronto has taken a step on its own initiative by compelling all milk to be pasteurized.

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#### RECENT EXPERIMENTS ON THE FUNCTION OF THE ADRENALS.

Prof. W. B. Cannon, of Harvard University, and his students have been doing some very valuable work on the suprarenal glands. These investigations have shown that fear, rage and pain rapidly cause an increased production of adrenin and its entry into the blood. This is born out by observations on animals under these conditions. During the struggle that takes place between animals that are engaged in fight. the amount of adrenin that is thrown out is sometimes very remarkable.