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### TESTING ANTITOXINS

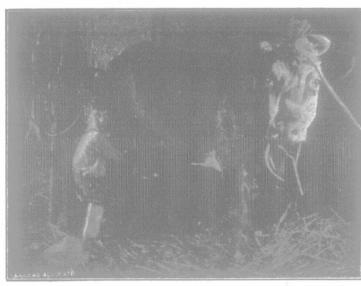
feature in the treatment of diseases, both onstrations. large number of such preparations have appeared on the market, some being of appeared on the market, some being of The tuberculin test has been applied uncertain strength and others worthless, under the direction of the Agricultural

mals most commonly attacked by this during the last two years, as in 1908 disease are horses and mules. The fact the Experiment Station made 27,202 that many unsatisfactory results have tests, and the State Veterinarian followed the use of such antitoxins has 13,791—a total of 40,993. The foreign, and the results have just been was received for the carcasses of these published in Bulletin 121, of the Bureau animals passed by Federal inspectors. of Animal Industry. The striking feature of the results is the great variation by the tests that have been made, in the strength of these antitoxins. It although they do not represent average thould be retained. should be noted that the antitoxin for conditions, since the more seriously to be of a certain known strength, so first. There has been a decline in the that the physician using it knows exact-ly what he is doing. But the veterinary in 1906, to 5.6 in 1908. The serious who uses a preparation of unknown phase of the situation is the compara-strength often fails to save the animal tively large number of herds infected.

vincing, and thousands of farmers have In recent years the use of tuberculin, been led to apply the tuberculin test to their herds, after observing its accuracy serums, antitoxins, etc., has become a as shown by animals killed at the dem-At points in the State of men and domestic animals. As a where such demonstrations have been held, the demand for tuberculin testing has been greatest.

the United States Congress wisely au- Experiment Station, the State Veterinthorized the Department of Agriculture arian representing the State Live-stock to buy samples in the market and test buy samples in the market and test sanitary Board, and by co-operative the various preparations recommended for veterinary use, and publish the localities. Since tuberculin testing was begun, in 1892, a total of 72,638 animals have been tested, 46,121 by the Experiment veterinary use is that prepared for use against tetanus the disease commonly spoken of as "lockjaw." The animals most commonly attacked by this during the last two years as in 1908. led the Department to test the prepara- State has paid to owners two-thirds tions put on the market by several the appraised value of reacting animals manufacturers, both American and and has received in return whatever

use on human beings is required by law infected herds were naturally tested In 1906, about 48 per cent., or almost The tests showed that the "veterinary half of the herds, were infected; while tetanus antitoxins vary extravagantly in 1908, about 24 per cent., or less than



MILKING BY THE LANTERN.

in their unit of strength, and some are one-fourth, contained the disease. In comparatively weak in antitoxic po- 1906, about 12 per cent. of the animals tency." The results indicate the need were infected, and in 1908 less than for strict Government supervision of four per cent. This indicates that the such preparations for the benefit of the disease is present in a great many herds, of the veterinarians and the live-stock although it has not spread in each herd interests of the country.

as well as the United States, will regret over 72 per cent., were infected through to learn of the death, which occurred purchase. on December 3rd, of Mortimer Levering, was a man whom to know was to admire fair-minded and courteous, a born three per cent. are infected gentleman, a man of splended business ability, while possessed of a rich fund the further spread of the disease of wholesome humor which served to Bovine tuberculosis has just begun to render him a charming story teller and get a foothold in the new northern a most agreeable and entertaining comcause genuine sorrow to a host of admir- quiring a clean bill of health to go with ing friends, who will miss him in the each sale is badly needed, as well as a was a prominent personality.

demonstrations have proved most con- mann.

to any great extent. The evidence collected shows that the most common DEATH OF MORTIMER LEVERING mode of herd infection is through the Stock-breeders throughout Canada, herds found infected in 1908, 263, or

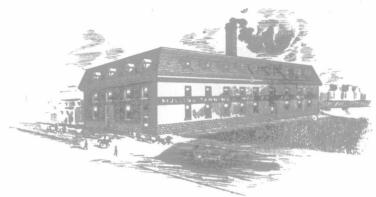
It is much more prevalent in the Secretary of the International Live-southern part of the State, In the stock Association, the American Shrop- southern third, over 43 per cent. of the shire Association and the American herds are infected, while less than 18 Shetland Pony Club. Mr. Levering per cent. in the northern two-thirds of the State have the disease. In the and to love, for his genial manner and south, over ten per cent. of the animals gentle disposition. He was sagacious, are infected, while in the north only

Immediate action is needed to stop greeable and entertaining com-The news of his passing will once if it is to be kept out. A law regatherings of stockmen, in which he law requiring the pasteurization of was a prominent personality.

factory by-products.

No district where the production of breeding animals is WISCONSIN FIGHTS TUBERCULOSIS important can afford to neglect to take up this matter at once. By testing the An educational campaign against herd and removing the infected animals bovine tuberculosis has been conducted at once, and then buying only tested in Wisconsin for the last three years, animals, the herds can be kept free by means of addresses, printed bulletins, from the disease. — State Experiment and post-mortem demonstrations. The Station bulletin, by Russell and Hoff-

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