

destroyed by it, while one of the inspectors of the largest meat market in London, Eng., in evidence before Dr. Carpenter, has declared that sometimes as much as 80 per cent. of the meat examined there was tuberculous; that a report of the Experimental Farm at Guelph, Ontario, states that "the extent to which this disease exists amongst the better breeds of cattle in this country is alarming," that the chief veterinary surgeon of the Dominion, Mr. McEachran, states that the disease is on the increase among cattle in Canada, as elsewhere, while other veterinary surgeons say it is not rare amongst us, and at least one entire herd in Nova Scotia has been destroyed by it; that the insidious nature of the disease causes it to be overlooked and makes it difficult to arouse the public to its occurrence and danger; that according to the best authorities, cows may be tuberculous in a marked degree and yet continue to thrive and give abundance of milk, containing the tuberculous bacilli, and yet the disease not be suspected by the owner or attendant; that as cows are not allowed to die naturally but are slaughtered for the market, and doubtless in some cases tuberculous cows are thus disposed of before the disease has attained noticeable development, and that even in the known early symptoms of the disease in individual cases, such animals would as a rule be sold by the owners to the butcher

in order to prevent loss; and finally, that in Canada there is no system of inspection of either live animals or slaughtered carcasses by which the proportion of cases of the disease might be estimated; it is, therefore, possible and even probable, that cases of tuberculosis in cows are of much more frequent occurrence in this country than may seem at present to be the case, and that tuberculous meat, milk and butter may now be sometimes sold in the market and be a cause of tuberculosis or consumption in the human organism.

3. That this disease is well known to be infectious; that it is the rule with infectious diseases that, when no special means is employed to prevent their spread, cases will become more and more frequent, and in a constantly increasing ratio,—one case giving rise to 2, 3 or 4 cases and these again giving rise to probably 4, 9 or 16 other cases, and it is to be feared that if some preventive measures be not employed, the disease may, and is likely to, soon become as prevalent amongst cows in Canada as in any other country; and that, therefore, it is most desirable, and in the interests, not only of the public health, but of all stock growers and dairymen, that some means be put into practice at the earliest possible time with the view of preventing, while it is yet the easier to do so, the spread and increase of the disease.

THE HOLT SYSTEM OF MARITIME SANITATION—AN IDEAL QUARANTINE.

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IN August, 1886, during a visit to the Southern States, I, through the courtesy of Dr. Joseph Holt, the President of the Board of Health of the State of Louisiana, visited the quarantine station on the Mississippi. Thanks to the courtesy of Dr. Thomas Y. Aby and his assistant, Dr. Ryan, I had every facility given me for seeing the exact working of that most admirable system—a system built up and developed from point to point under the able guidance of Dr. Holt. It was my intention to have written a report on that quarantine system for the last issue of the biennial report of the Board of Health of the State of

California; but, having stayed some time in the South during great heat and moisture, it resulted in a severe bilious-remittent fever, and instead of sending the report on for publication, I became intimately acquainted with a private ward in St. Luke's Hospital, Jacksonville.

Between that date and this, fire has destroyed the quarantine station as I knew it in 1886. Last year on my return from Cuba, per steamship "Hutchinson," I, together with all her passengers, went through the whole process. While the fire undoubtedly upset the plans of the Board for the time being, the result as a