

“Dr. Michener arrived April 21st, and on the 22d and 23d, after a careful and critical examination of every animal in the herd, it was found necessary to condemn them all, when they were forthwith expeditiously and humanely killed, and the post mortems openly made in the presence of the Governor, prominent physicians, stock-owners, reporters and others interested, the autopsies in every instance revealing the fact that the disease had been correctly interpreted, and that every animal presented unmistakable lesions of tuberculosis.”

The following extracts from the post mortem notes are given to show the character of the pathological changes which were found. Though a few are chosen as having presented points of special interest, the selections are pretty fairly representative of the whole lot. (No. 1.) Pansey, I. Cyst in centre of left lung. Apex affected, right filled with miliary tubercles. Age 8 years. (No. 2.) Mildred, 1. Adhesions of both lungs to costal pleura, badly affected. Age 5 years. (No. 3.) Hyacinthe, 1. Both lungs affected. Tubercles in right. Age 4 years. (No. 5.) Helen Hart. Both lungs and mammary glands affected, so that her milk was tainted. Age 8 years. (No. 6.) Helen's Calf. Affected with miliary deposits in both lungs. Age 8 months.

The investigations which were undertaken by Dr. Bailey for the purpose of tracing the origin of the disease brought out the fact the development of the outbreak had not been so sudden as the public at first supposed. It transpired that as far back as 1876, ten years previous, there were cases of tuberculosis developed upon the College farm, and that occasionally since then, animals have died of chronic lung trouble or, having been slaughtered on account of a wasting disease, have been found to present the post mortem appearances of tuberculosis. Before the notification of Castle Commission, there were thus lost from the College herd seven cows from 1881 to 1886.

The following history of an outbreak of tuberculosis which occurred at the Willard

Asylum, Willard, N. Y., from the Medical Record of Jan. 15, 1887. “During the fall of 1883 tuberculosis broke out in an acutl form in the asylum herd, which consisted of about one hundred head of milch cows and forty head of young stock, most of which were of Holstein blood, and with the exception of a few head, all were in excellent condition and thought to be in perfect health. During the summer months, however, a number of the cows were noticed coughing, which attracted some attention, but nothing of a serious nature was suspected until late in the fall, when those that had been noticed coughing began to emaciate, presenting in general a very bad appearance; the hair seemed dead, having lost its gloss, standing erect, cleaving from the skin. Their eyes were sunken and presented a heavy appearance. The animals did not move about, and usually lingered behind on going to and from pasture, and if hurried, they seemed exhausted from want of breath. My attention was called to them. . . and finally, it was thought best to kill one of feebler ones, and ascertain the true nature of the disease.

“Case I. The animal chosen for examination was eight years old, of Holstein blood, and one year previously would have weighed 1,200 pounds. On post-mortem, the animal was found highly tuberculous, and there seemed to be no organ in the body free from the disease. The lungs were voluminous and double their normal weight. They were completely adherent on either side, and the left lung on section seemed to be a mass of tubercular deposit. Small romica had formed in some places, in other places the deposit was calcified, and in still others, cheesy. The bronchial glands were three to four times their normal size and degenerated. Numerous tubercles the size of hazel-nuts and smaller were found upon either surface of the diaphragm, and the liver was found at least three times its normal size and contained large masses that would equal in weight several pounds. On cross-section it revealed large cavities filled with a muco-purulent mass. The bowels were