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TRICHINA SPIRALIS.

BY W. KELLER OF DARMSTADT.

logatains, in Germany. Upwards of a hundred ersons sat down to an excellent dinner, and havnd went to their homes.

Of these hundred and three persons, mostly men the prime of life, eighty-three are now in their raves; the majority of the twenty survivors linger ritha fearful malady; ar I a few, only, walk appaenly un-cathed among the living, but in hourly per of an outbreak of the disease which has carried was such numbers of their fellow-diners.

They had all eaten of a poison at that festive card, the virulence of which far surpasses the reorted effects of aqua lophana, or of the more tan-ible agents described in toxicological text-books. I was not a poison either dug out of the earth, exacted from plants, or prepared in the laboratory the chemist. It was not a poison administered r design or negligence. It was a poison unnown to all concerned; and was eaten with the est in which it was contained, and of which it med a living constituent.

When the festival at Hettstädt had been deterined upon, and the dinner had been ordered at the otel, the keeper of the tavern arranged his bill of The introduction of the third course, it was ttled, should consist, as usual in those parts of ecountry, of Rosewerst und Gemuse. The Rose was therefore ordered at the butcher's, the cessary number of days beforehand, in order to low of its being properly smoked. The butcher, his part, went expressly to a neighboring pro-tetor, and bought one of two pigs from the stewwho had been commissioned with the transacwhy his master. It appears, nonever, that the ward, unfortunately, sold the pig which the mas-had not intended to sell, as he did not deem it Exceptly fat, or well-conditioned. Thus the roag pig was sold, carried on a barrow to the teher, killed and worked up into sausages. The reages were duly smoked and delivered at the real. There they were fried and served to the ut at the dinner-tuble.

On the day after the festival, several persons who participated in the dinner suffered from irritaof the intestines, loss of appetite, great prostra-and fever. The number of persons attacked dily increased; and great alarm was excited in East instance, by the apprehension of an impend-Repidemic of typhus, or continued fever, with lich the symptoms observed showed great simrity.

intercostal muscles and the muscles in front of the neck, the hypothesis of septic fever, though sustained in other cases, had to be abandoned with A few months ago there was a festive celebration respect to these particular ones. Some unknown t fletistalt, a small country town near the Hartz poison was now assumed to be at the bottom of the outbreak, and an active inquiry into all the circumstances of the dinner was instituted. Every g enjoyed themselves more majorum, separated article of food and material was subjected to a most rigid examination, without any result in the first instance. But when the symptoms in some of the cases invaded the muscles of the leg, particularly the calves of some of the sufferers, the description which Zenker had given of a case of fatal trichinous disease was remembered. The remnants of sausage, and of pork employed in its manufacture, were examined with a microscope, and found to be literally swarming with encapsuled triching. From the suffering muscles of several of the victims small pieces were excised, and under the microscope found charged with embryonic triching in all stages of development. It could not be doubted any longer, that as many of the one hundred and three as had partaken of Restewarst had been infested with tri-chinous disease by eating trichinous pork, the parasites of which had, at least in part, escaped the effects of smoking and frying.

This awful catastrophe awakened sympathy and fear throughout the whole of Germany. Most of the leading physicians were consulted in the interest of the sufferers, and some visited the neighborhood where most of the afflicted patients remained. But none could bring relief or cure. With an obstinacy unsurpassed by any other infectious or parasitic disease, trichiniasis carried its victims to the grave. Many anthelmintics were arrayed to destroy, if not the worms already in the flesh, at least those yet remaining in the intestinal canal. acid was employed until its use seemed as dangerons as the disease; and benzole, which had promised well in experiments upon animals, was tried without avail. Subsequent dissections proved the parasites to have been unaffected by the agents employed

But medical science had unravelled a mystery; and if it could not save the victims, it was determined, at least, to turn the occasion to the next best account. The cases were therefore observed with care, and chronicled with skill. All the multifarious features of the parasitic disease were registered in such a manner, that there can hereafter be no difficulty in the diagnosis of this disorder. A valuable diagnostic feature was repeatedly observed -namely, the appearance of the flesh-worm under the thin mucuous membrane on the lower side of the tongue, and the natural history of trichina in man was found to be the same as that in animals.

All observations led to the conviction that the but when, in some of the cases treated by the trichina encapsuled in the flesh is in the condition of puberty. Brought into the stomach, the calcalicate at first acute peritonitis, then pneumonia reous capsule is digested with the flesh, and the distance is set free. It probably feeds upon the circumscribed character, next paralysis of the trichina is set free. It probably feeds upon the