# CANIDA LANCET. 



## THICH:N.L SPIRALIS.

By w. krllex op basmatadt.
Aferenthe ago there was a festive celebration - Hetrialh, a sm.ll cunatry tornanetr the Hurtz Iuanaias, in Germany. tpwards of a hunlreat ersons s:at dawn ti na excellent dinner, and havof rajoyed themselves mure thajuradn, separated nod went to their homes.
Uf these hundred athd three persons, mostls men - the prime of life, eighty-three are now in their faves; the majority of the twents survirurs linger itha formful maluily ; an a a few, only, walk alpa-
 ar of an mabreak of the disente whels has carcied Way su h numbins of their fellow-diners.
They thal all vaten of at misan at that festive card, th.0 viralonec of which far surpasses the reprted effects of wifs tophosm, or of the more tanible agents dessitimed in toxicolugical text-books.
$t$ Fas not a poismn ither ding out of the carth, ex-
facted from planhs, or prepared in the lathoratory
the chemist. II whs nut a poisun administered
Itesign or neglipence. It was a prisun un-
bawn to all concerned; and wist eaten with the
eat in which it was contasined, and of which it sroed a liriner constiturnt.
Fhen the festiral at lletestait had heen deterioned upoll, and the dinnor had been ortereit at the otel, the kecerer of the tavern arranged his hill of ce. The introcluction of the third course, it wisa tuled, should comsist, as usmal in those parts of ecountry, of Rovariorst und Goinuse. The Rusewryt was therefore ordered at the butchers, the ensary number of thags meforehand, in order to low of its being properly snomed. The hureher, this purt, went caprexsly tu a neighburing pruietor, and bought one of two pigs frum the sters-
A, who had been commissioned with the tracsacDe by his master. It appears, howerer, that the emand, anfurunately, sold the pigs which the mas-
fhad not intended to sell, as he did not deem it fincently fat, or well-conditioned. Thus the roag pig wds sold, carried on a barrow to the lecher, killed and worked up into sansages. The mages were duly smoked and delivered at the tel. There thoy were fried and served to the asts at the dinner-tuble.
On the day after the festiral, several persons who
$\$$ participa ed in the dinner suffered from irrita-

- of the incestines, loss of appetite, great prostra.
and fever. The number of persons attacked
hily increased; and great alarra was excited in
Erst instance. hy the apprehension of an impend-
epidetaic of typhus, or continued fever, with lich the sjmptoms obsorved showed great simCity.
But when, in some of the cases treated by the me physician, the features of the illuess tegan to Leate at frsi acute peritonitis, then pneumonia atircumycribed character, next paralysis of the
fintercostal mascles and the muscles in front of the neck, the hypothesis of septic fever, though sustained in other cases, had to be abandoned with respect to these farticular ones. Some unknown mison was now assumed to be at the bottom of the outbreak, nad an active inquiry into all the circumstances of the dinner was instituted. Every article of food and material was subjected to a most rigid examination, withont ang result in the tirst instance. Bat when the symptoms in some of the cases invaded the muscles of the leg, particularly the calres of some of the sufferers, the cescripion which Zanker had giren of a case of fatal trichinous disenge wias remembered. The remnants of sausage, and of pork employed in its manufacture, were examined with a microscope, and fund to be literally wrarming with encapsuled trichina. From the suff.ring muscles of seceral of the rictims small pieces were axcised, and under the microscope found charged with embryonic trichina in all stages of hirelopment. It could not be doubted any longer, that ns mang of the one hundred and three as had partaken of Restcieurst had brea infested with trichinous disease by eating trichinous pork, the parasites of which had, at least in part, escaped the effects of smoking and frying.
This awful cathatrophe awakened sympaths and frar throughout the whule of Germany. Nost of the landing pligsicians were consulted in the intereat of the sufferers, and some visited the neighborhond warre most of the afficted natients remained. But none could bring relief or cure. With an obstinacy unsurpassed by any other infections or parasitic disease, triehiniasis carried its victims to the grave. Vany antheiminties were arrayed to destroy, if not the forms already in the flesh, at least thuse get remaining in the intestinal canal. Picric acid was employed until its use seemed as dangerous as the diseate ; and benzule, which had yromised Well in experiments upon animals, Was tried without arail. Subsequent dissections proved the parnites to have been unaficted by the agents employed
But medical science had unravelled a mystery; and if it could not save the rictims, it was determiner, at least, to turn the occasion to the aext best account. The cases were therefore observed with care, and chrunicled with skill. All the maltifarions features of the prarasitic discase were registered in such a manner, that there can hereafter be no difficulty in the diagnosis of this disorder. A valuable diagnostic fiature was repeatedly observed -namely, the appearance of the fiesh-worm under the thin mucunus 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 conriction that the trichina encapsuled in the flesh is in the condition of puberty. Bruught into the stomach, the calcareous rapsule is digested with the flesh, and the urichina is set free. It probably feeds upon the

