pheripheric part of the iris. 10. Perhaps in dis- expulsion of the worms by means of the diarrhosa. eases of the ciliary body.]

drug. He furthermore says that the alcoholic ex-Jour, Ophthalmology.

## TRICHINA SPIRALIS

Trichina Spiralis, served in hog's theh at a feast. their carcase shall ye not touch; they are unclean w you," eighty-three persons are and died, and suributed to poison or mysterious disease are due to the same cause. It would really seem as if the 332 wire created to serve as a foul nursery for the Bust louthsome parasites which infest man, and that the encysted trichinge, which are occasionally mknew were derived from the muscles of swine, erally resist it. stead of being the harmless parasites we have t there considered them, produce one of the most sally diseases known. Unfortunately there are a symptoms of trichmissis in the pig, after the present sough; and the presence of the capsules which contain the worms would hardly be noticed aits flesh on account of their near resemblance in close, and the amount of fat with which the latter similtrated. The disease has never yet been met similtrated. The disease has never year of marismus. M. Davarue of the any herborous animal, and, according to of marismus. M. Davarue bes in earth-worms (as many as 500 or 600 in a

cof two cats, which he fed with trichinized meat, several years. distribut for at least a formight, but survived. ffre or six rate fed on a similar diet, one only, lich was preznant, died of diarrhues, after abor an the eighth day. According to Mr. Leucthe masage of the emoryos of the triching 1347h the intestinal wells sometimes produces monitis. This intestinal phase often becomes

or may cease with the natural death of the worms.

E. Hert recommends a solution of the extract of "The second stage presents general symptoms—such a concentration that one drop shall contain muscular pains, &c. These phenomena are depenthe extractive matter of three grains of the crude dent on the introduction of the triching into the muscles; they rapidly acquire their maximum intract is soluble in glycerine, and that this solution tensity, and have not a long duration. The apa more durable than the watery one, which after a pearance and duration of this stage are in complete fer days becomes decomposed -Geiselan. .fm. relation with the development and length of actionen of the triching in the intestines; in fact, in this entozoon oriposition is not slow and of long duration as in many nematoid worms; the genital tube THE CHINARIS .- We published in our last number, is rapidly formed, and the ova in its whole length an extract from the British Med. Journal relating are developed almost simultaneously, so that the to the whole-ale poisoning of a large assembly at embryos, arriving soon at maturity, are at once are developed almost simultaneously, so that the fletistadt, Germany. The fatal agent used was thrown out in large numbers into the intestine, and the mother trichina dies exhausted. If it be re-Disegrating the injunction in Leviticus concern-ing swine, "Of their fi-sh shall ye not eat, and the eighth day, that a certain number of days are membered that the embryos do not escape before 'required for their arrival in the muscles, and that new ones are not produced after six or seven weeks. there can be no doubt that many instances of death it will be understood that the first symptoms of this stage can scarcely appear until the end of a fortnight after ingestion of the diseased food, that they most continue four or five weeks, and that after this they may disappear. This course of events our aversion to him, which long ago amounted to is observed in animals; and in mun, the symptoms complete abstinence from pork in every form, is of this stage have shown them-elver and become now increased tenfold by the recent information aggravated from the third to the sixth week after infection. Most animals die during this stage; hand in the muscle of man on dissection and which rabbits rarely survive; rats, on the contrary, gen-

" If the animals do not die of the general symbtoms or local disturbances proper to these two stages, the inflammators symptoms coase, reseiration becomes metaral, and order is reestablished. But, in some cases, the number of cysts formed in the muscles are sufficiently great to impede the proper exercise of their functions, and hence arise general debility, a kind of consumption which persists or becomes aggravated, and the animal dies of marasmus. M. Davaine has noticed this in rab-

"Recovery from these phases of trachinal infec-"age worm), which form part of the food of swine tion may be apparently perfect. A rabbit, which from at liberty. A commutace, consisting of Vir. M. Davame kept during five months, became large The at liberty. A committee, consisting of Vir-M. Davame kept during five months, became large on, Remak, Gurlt, and others, has been appoint- and fat, although it had a large number of triching thy the Berlin Medical Society to investigate the in its moscles; a rat which had had these entozoa the subject. We add for the further information in considerable numbers during six months was to four readers an interesting account by M. Distallappearance in good health. Hence he concludes one, from the same journal, of the symptoms prother that the trichinal produce symptoms only when bed in man by this disease. "When triching exist in great numbers, their entering the muscles. Having become lodged in stence in the muscles or intestines produces their cysts among the mescular fibres, they may were and sometimes fatal symptoms. These main harmless for an indefinite time. In every Instance may, in animals experimented on, press, case, except one, down to 1859, triching have where successive, more or less distinct phases. been found in the bodies of persons who have died "The first phase is characterized by intestinal of disease (generally chronic) or by accident, or in order, produced by the development of the large, the dissecting room in bodies regarding which the large numbers, and their adhesion to the nucous previous history could not be obtained. In most subrane of the intestine. In this stage, M. Daccases, the cysts contained a cretaceous or fetty demands has seen rabbits die with intense diarrhea; posit, showing that they had probably existed for

"The observations which have been made on the human subject in regard to the symptoms caused by triching show that they belong, as in animals, to the initial period of infection. They consist in intestinal and muscular lesions; the latter coincide with the entrance of the parasite into the muscles, and are truly traumatic. In Zenker's case, the inhaded with the next it may be relieved by the testinal symptoms present were swelling and pain: