

4. *S. COSTATA*, n. sp. (Plate XIII. figs. 228, 229.)

Male, length $\frac{1}{19}$ " , breadth $\frac{1}{435}$ " .

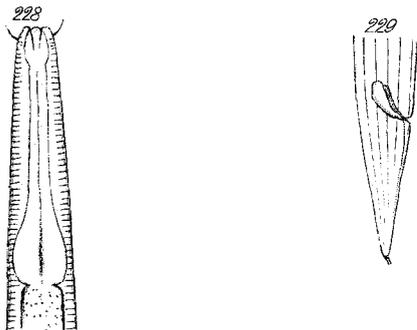
External Characters.—Body rather dark in colour anteriorly; tapering conically at posterior extremity. Sucker cylindrical, well marked. Head truncate, having a circlet of four strong patent setæ. Integument with most marked transverse striæ, $\frac{1}{10000}$ " apart, and equidistant longitudinal ridges, very obvious in the middle portions of body, but less evident towards extremities.

Pharyngeal cavity indistinct. *Œsophagus* about $\frac{1}{7}$ th of total length, with post-pharyngeal and terminal swellings. *Intestine* undistinguishable, from the total absence of the usual hepatic cells and contained fat-particles. *Anus* $\frac{1}{200}$ " from posterior extremity. *Spicules* slightly curved and rather broad, $\frac{1}{168}$ " long; *accessory pieces* not recognized.

Female, not seen.

Hab. Marine surface-mud from estuary, Falmouth.

Having only seen two specimens of this species, I am not quite certain about the exact structure of its pharynx, and the presence or absence of accessory pieces to the spicules. The almost uniform light colour of, and absence of pigment from its internal parts, combined with a somewhat opaque integument, was the cause of my failure in ascertaining these points.



228. *Spilophora costata*, n. sp.; anterior extremity of male.

229. Posterior extremity of male, showing also gradual fading of longitudinal markings.