

FIGURE. (K) p. 97. (M) pl. XX.

DISTRIBUTION. (a) *General*;—East Coast of America, Vineyard Sound to Massachusetts Bay and Gulf of St. Lawrence.

(b) *In N. B. waters*;—Point du Chêne, N. B., at low water, *Whiteaves*, (P).

[Selenka, (M), gives as a locality for this species, Grand Manan. But he was probably led into error by the fact that Stimpson mentions this species in his Synopsis in order to refer it to the new genus *Caudina*. Stimpson distinctly states that "it does not occur in the Bay of Fundy, notwithstanding its abundance on every sandy shore in Massachusetts Bay." Verrill says, (Q), he has never been able to find it at Grand Manan.]

This species is not likely to be mistaken for any other upon the Gulf coast, the peculiarity indicated by its generic name distinguishing it from all others. It is from two to four inches long, and over one-third of this length is so attenuated as to seem in comparison with the rest of the body like a "tail." When alive it is very worm-like in appearance, having no tube-feet, being semi-translucent and having a perfectly flexible skin. It shows, however, the stamp of the pentamerous Echinoderm plan in the five longitudinal lines which may be traced from end to end of the body, the representatives of the lines of ambulacral tube-feet. Around the mouth are about twelve short, non-retractile tentacles, each divided near the extremity into several slender branches. The skin has a finely granular appearance, caused, as the microscope will show, by the immense number of little calcareous, wheel like plates embedded in it. In color it varies from red to flesh-color.

Caudina lives buried a short distance in sand or mud in shallow water and is often thrown upon the sandy beaches of Massachusetts Bay in great numbers after a storm, and probably the same would be true upon our north shore. Little is known of its habits and nothing of its development.

28. ***Chirodota laevis***, (FABRICIUS), GRUBE. *Trochinus pallidus*, (C), [See Plate, Fig. 19.]

DESCRIPTION. (C) p. 243. (U) p. 12.

FIGURE. (U) pl. I.

DISTRIBUTION, (a) *General*;—Circumpolar. Eastport to Grenland. Finmark and Lofoten, and possibly Ochotsk Sea and Sitcha.