

*Mülleria flavo-castanea*, n. sp.

Deposits—tables and buttons. Disks of the tables with smooth margin and perforated with a large central hole and several smaller peripheral ones; the spire, built up of four rods and one transverse beam, terminates in twenty or more teeth. The buttons are large, oval, commonly with more than six (seven to twelve) holes; they are either completely smooth or provided with one, two, or more small elevations, which are mostly placed on the middle beam.

*Habitat.*—Madeira (Mus. Holm.).

Length, 100 mm. Colour—auburn, with a well-marked light yellowish space round the dorsal papillæ; papillæ themselves and pedicels dark auburn; tentacles lighter inclining to yellowish-green. Tentacles surrounded by papillæ. Anal teeth very minute, built up of a calcareous network. Pedicels crowded,

forming a kind of sole; in the space between the anus and the truncated end of the sole there are papillæ instead of pedicels. The dorsal papillæ, not so closely placed as the pedicels, are situated, apparently, on low wart-like bases. A single Polian vesicle and madreporic canal. Numerous Cuvierian tubes. The dorsal papillæ have curved spinous rods and larger irregularly rounded or oval, bilateral plates, while the pedicels are devoid of rods.