

curved, sometimes, but not always, with the faintest trace of a sinus behind, indicating a very inconspicuous radiating depression upon the surface of the valves. The umbones are prominent, smooth, incurved, directed towards the front, and situated considerably in advance of the centre. There is neither lunule nor posterior area. The hinge-plate is fairly strong, broader in front than behind, and supports an unbroken series of about thirty teeth, of which ten are anterior to the beaks. The central denticles are small, but the laterals are fairly long and acute. The ligament is placed in a small narrow groove above the teeth, just behind the apices. The scars and pallial line are indistinct.

Length 5 mm., height 4, diameter 3.

Habitat.—Station 24, off Culebra Island, West Indies, in 390 fathoms; Pteropod ooze.

This is a much more slender species than *Malletia veneriformis*, much narrower posteriorly, and more finely sculptured. The hinge-characters of both, however, are alike.

Family ARCIDÆ.

Subfamily PECTUNCULINÆ.

Glomus, Jeffreys.

Glomus nitens, Jeffreys.

Glomus nitens, Jeffreys, Ann. and Mag. Nat. Hist., 1876, vol. xviii. p. 433.

Glomus nitens, Jeffreys, Proc. Zool. Soc. Lond., 1879, p. 573, pl. xlv. fig. 5.

Habitat.—Station 323, off the Rio de la Plata, in 1900 fathoms; blue mud.

This species has been recorded by the late Dr. Jeffreys from several stations in the North Atlantic, at depths of from 500 to 1750 fathoms, but this is its first occurrence so far south.

The cartilage is placed in a narrow groove parallel with the hinder dorsal margin, which extends from the umbones a short distance under the teeth on that side.

Glomus jeffreysi, n. sp. (Pl. XXI. figs. 1–1b).

Testa minuta, tenuissima, mediocriter convexa, æquilateralis, subcircularis, postice oblique subtruncata, ibique impressione radiante haud profunda exhibens, albo-pellucida, nitida, incrementi lineis tenuissimis sculpta. Umbones parvi, paulo supra marginem projecti, haud acuti. Linea cardinis mediocriter valida, dentibus circiter sedecim (quorum sex ante medium cæterique postmediani sunt) instructa. Ligamentum angustum, in fossa obliqua umbones infra locatum.