

Onchoporella bombycina, Busk.

Carbasea bombycina, Bk. (*nec.* Solander, &c.), Brit. Mus. Cat., vol. i. p. 52, pl. xlviii. figs. 4-7.

Flustra bombycina, Linn., Syst. Nat., Ed. 13, 3828, No. 9.

„ „ Bosc, Vers 141; Lamx., Hist. des Polyp., p. 103, No. 196; Exp. Méth. p. 3, pl. iv. fig. B.

„ „ Lamarck (?); Krauss, Zooph. d. Südsee, p. 35.

Semiflustra bombycina (?), d'Orb.

(?) *Lepralia diadema*, Macgilliv.

Character.—Zoarium composed of narrow, ligulate, short lobes, expanding at the ends. Zoecia pyriform, cylindrical, rounded in front. Lateral fenestræ with from one to four perforations in a vertical line. Oecia prominent, with radiating lines.

Habitat.—Simon's Bay, Cape of Good Hope.¹

Family XVII. RETEPORIDÆ.

Reteporidae, Smitt, 1867; Hincks, 1879.

Escharidæ (pars), d'Orb., 1851; Hincks, 1880; Smitt, 1872; Brit. Mus. Cat., 1852; Busk, Crag Polyz., 1859, Macgilliv., Auctt.

Character.—Zoarium calcareous, erect, fixed; foliaceous and fenestrate, unilaminar; or reticulately or freely ramose in one plane. Zoecia secund.

The Family here contains the following genera:—

1. *Retepora*, Imperato.§ *a. reticulatae*.

(1) *Retepora apiculata*, n. sp. (Pl. XXV. fig. 6).

(2) *Retepora producta*, n. sp. (Pl. XXV. fig. 7).

(3) *Retepora denticulata*, n. sp. (Pl. XXVI. fig. 1).

§ *β. fenestratae*.§§ 1.²

(4) *Retepora imperati*, Busk, MS. (Pl. XXVI. fig. 9).

(5) *Retepora tessellata*, n. sp. (Pl. XXVII. fig. 8).

var. *a. cæspitosa* (Pl. XXVII. fig. 6).

var. *b. pubens* (Pl. XXVIII. fig. 3).

¹ *Scruparia diaphana*, Busk (*Quart. Journ. Micr. Soc.* [Zoophytology], vol. viii. p. 281, pl. xxxi. fig. 1, 1861) would form a second species of *Onchoporella*.

² Under this section might perhaps be included the very interesting *Petralia undata* of Macgillivray as a sub-genus.