

100 fathoms ; Gulf of St. Lawrence ; Spitzbergen ; West of Nova Zembla, lat. $72^{\circ} 30' N.$, long. $52^{\circ} 45' E.$, 5 to 20 fathoms, Stuxberg and Théel ; Roscoff, Joliet ; Port Jackson, Haswell.]

Distinguished from the preceding species, as above observed, by the tubular portions of the zoecia being punctate up to the border of the orifice, and their rather larger size. There can, I now think, be no doubt as to the distinctness of the two species.

Family IV. DIASTOPORIDÆ, Busk.

Diastoporidæ (pars), Bk., Crag Polyzoa, p. 113, Smitt.

Tubuliporidæ (pars), Hincks, &c.

Character.—Zoarium crustaceous or foliaceous, discoid or of indefinite outline ; adnate and sessile, or pedunculate and erect ; no interstitial cancelli.

The Family here contains :—

1. *Diastopora*, Johnston.

(1) *Diastopora patina*.

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"*Diastopores simples*," M.-Edwards, Réch. sur les Crisics, p. 39.

Diastopora, Johnst., Bk., Crag Polyzoa, p. 113 ; Brit. Mus. Cat., pt. iii., p. 28 ; Hincks, Brit. Mar. Polyz., p. 457.

Diastopora (pars), Lamx., M.-Edwards, Blainville, Reuss, Hagenow, Michelin, d'Orbigny, Smitt.

Tubulipora sp., Johnst., Auctt.

Berenicea (pars), Lamx., d'Orbigny.

Patinella ; Gray, Hincks, Zooph. S. Devon, Ann. and Mag. Nat. Hist., ser. 3, vol. ix. p. 468.

Character.—Zoarium adnate, discoid or flabelliform, centric or excentric ; outline lobed or entire. Zoecia towards the centre wholly immersed, usually sub-erect and partially free towards the periphery ; orifice orbicular or elliptical ; horizontal or oblique.

(1) *Diastopora patina*, Lamarck (sp.).

Tubulipora patina, Lamk., Johnst., Gosse, Mar. Zool., pt. iii., p. 8, fig. 1 (*nec* Milne-Edwards) ; Joliet.

? *Patinella verrucaria*, Gray.

Patinella patina, Hincks, Zooph. S. Devon, Ann. and Mag. Nat. Hist., ser. 3, vol. ix. p. 468.

Diastopora patina, Smitt., Busk, Brit. Mus. Cat., pt. iii., p. 28, pl. xxix. figs. 1, 2, pl. xxx. fig. 1 ; Hincks, Brit. Mar. Polyz., vol. i. p. 458, pl. lxvi. figs. 1-6 ; Waters.

? *Discosparsa marginata* (pars), d'Orbigny.

Discosparsa patina, Heller, Marion.

Character.—Zoarium when mature, discoid, circular, cupped, and bordered by a thin expansion. Central zoecia immersed and usually occluded ; marginal ones erect and