

Lagena lineata, Williamson, sp. (Pl. LVII. fig. 13).

Entosolenia lineata, Williamson, 1848, Ann. and Mag. Nat. Hist., ser. 2, vol. i. p. 18, pl. ii. fig. 18.

„ *globosa*, var. *lineata*, Williamson, 1858, Rec. For. Gt. Brit., p. 9, pl. i. fig. 17.

Lagena lineata, Reuss, 1863, Sitzungsber. d. k. Ak. Wiss. Wien, vol. xlvi. p. 328, pl. iv. fig. 48.

Lagena lineata is an entosolenian modification of *Lagena striata*. The test is minute, and ovate or pyriform; the superior extremity rounded, and the inferior mucronate or sometimes furnished with a short projecting neck bearing a second aperture; the surface is covered partially or entirely with fine parallel lines, disposed longitudinally.

This variety is met with at many points on the coast of Great Britain, Belgium, and France, and also in the Farøe Channel. In the southern hemisphere it occurs on the shores of Tristan d'Acunha, 100 to 150 fathoms, and of Kerguelen Island, 20 to 50 fathoms.

It is found in the fossil state in the Post-tertiary beds of the west of Scotland (Robertson), and of the north-east of Ireland (Wright).

Lagena distoma, Parker and Jones (Pl. LVIII. figs. 11–15).

Lagena levis, var. *striata*, Parker and Jones, 1857, Ann. and Mag. Nat. Hist., ser. 2, vol. xix. p. 278, pl. xi. fig. 24.

„ *distoma*, Brady, 1864, Trans. Linn. Soc. Lond., vol. xxiv. p. 467, pl. xlviii. fig. 6.

„ *sulcata*, var. *distoma*, Parker and Jones, 1865, Phil. Trans., vol. clv. p. 356, pl. xiii. fig. 20.

The *Lagena distoma* of Parker and Jones includes the striate modifications of *Lagena gracillima* and *Lagena elongata*. Of these figs. 11 and 12 represent typical examples.

Such forms are tolerably abundant in the shallow-water margins of temperate latitudes, and are nowhere commoner than on our own shores. Their occurrence, however, is not entirely governed by depth of water, for specimens have been collected in the North Atlantic as far down as 1443 fathoms; in the South Atlantic, at 350 to 1900 fathoms; in the Southern Ocean, at 120 fathoms; in the South Pacific, at 155 to 275 fathoms; and in the North Pacific at 345 fathoms.

As a fossil *Lagena distoma* has been found in the Pliocene of Calabria (Seguenza), and in the Post-tertiary deposits of Norway (Crosskey and Robertson), and of the west of Scotland (Robertson).

Lagena variata, H. B. Brady (Pl. LXI. fig. 1).

Lagena variata, Brady, 1881, Quart. Journ. Micr. Sci., vol. xxi., N. S., p. 61.

Test subglobular or somewhat compressed; often gibbous, or otherwise asymmetrical in outline; entosolenian, sometimes distomous; surface-ornament consisting of irregular, interrupted, slightly raised, rounded, longitudinal riblets. Longer diameter, $\frac{1}{60}$ th inch (0.36 mm.).

This is a rare form, with wrinkled rather than costate surface. It has been taken only off East Monceour Island, Bass Strait, 38 fathoms.