

Fossil.—From the later glacial beds of Norway (Sars), and of Scotland (Jeffreys).

There is but a single slightly weathered specimen of this species in the Challenger collection, and the step from Madeira to lat. 46° S. is so enormous, that I was glad to have my identification of the specimen confirmed by one who knows the species so well as Dr Gwyn Jeffreys does. It is extremely abundant in Madeira, and careful search will probably supply very many additional localities for its dwelling.

10. *Cyclostrema*, Marryat, 1818.

Species.

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| 1. <i>Cyclostrema excavatum</i> , n. sp. | 2. <i>Cyclostrema sulcatum</i> , n. sp. |
| 3. <i>Cyclostrema conicum</i> , n. sp.] | |

1. *Cyclostrema excavatum*, n. sp. (Pl. VIII. fig. 10).

Station 24. March 25, 1873. Lat. 18° 38' 30" N., long. 65° 5' 30" W. Off Culebra Island, West Indies. 390 fathoms. Pteropod ooze.

Shell.—Discoidal, keeled, strong, porcellanous white under a dark-brown epidermis, with an entirely open umbilicus and a small mouth. *Sculpture*: Longitudinals—there are fine, slight, close lines of growth. Spirals—on the last whorl a little below the suture there is a bluntly angulated keel, which on the previous whorls bisects the space between the sutures; within this keel a broad shallow furrow reaching to the suture is excavated; towards the mouth on the base is another very blunt and slighter keel. *Colour* horny or porcellanous white, covered with a dark yellowish-brown membranaceous epidermis. *Spire* barely raised, but scalar, and in profile just showing each whorl. *Apex* not very small, exerted, smooth, consisting of one whorl and a half. *Suture* broadly and angularly impressed. *Whorls* 4 in all, of slow increase till the last, which is largish. *Mouth* a little oblique (*i.e.*, the upper lip projects slightly in front of the basal lip), round, but a little elongated between the keel above and that on the base, at each of which, too, it is subangulated. *Outer lip* not at all patulous, thin, with a very slight thickening within the mouth. *Inner lip* thickened, but very short on the body. *Umbilicus* a wide, open, shallow funnel, exposing every whorl. H. 0.048 in. B. 0.087. Mouth, height 0.03, breadth 0.03.

2. *Cyclostrema sulcatum*, n. sp. (Pl. VIII. fig. 11).

Station 120. September 9, 1873. Lat. 8° 37' S., long. 34° 28' W. Off Pernambuco. 675 fathoms. Red mud.

Shell.—Depressedly globose, keeled, thin, dead white under a dirty-brown epidermis, with a deep funnel-shaped umbilicus and a large mouth. *Sculpture*: Longitudinals—