

with from two to four transverse rows of small, circular pores only. Mouth constricted, with a large cylindrical, tubular, hyaline peristome, half as long as the shell.

*Dimensions*.—Cephalis 0.03 long, 0.04 broad; thorax 0.09 long, 0.07 broad.

*Habitat*.—Western Tropical Pacific, Station 225, depth 4475 fathoms.

Genus 577. *Lophophæna*,<sup>1</sup> Ehrenberg, 1847, Monatsber. d. k. preuss. Akad. d. Wiss. Berlin, p. 54.

*Definition*.—*Sethocorida* (vel *Dicyrtida eradiata aperta*) with ovate or sub-cylindrical thorax, the mouth of which is either truncate or constricted. Cephalis armed with several large horns.

The genus *Lophophæna* differs from the nearly allied *Sethocorys* and *Dictyocephalus* only in the armature of the large cephalis, which bears a group of large horns, often arranged in a corona of radial spines. Sometimes these spines are connected by anastomosing branches (like *Arachnocorys*).

#### Subgenus 1. *Lophophænula*, Haeckel.

*Definition*.—Horns of the cephalis simple, free, radial spines, neither branched nor connected.

##### 1. *Lophophæna galea*, Ehrenberg.

*Lophophæna galea orci*, Ehrenberg, 1854, Monatsber. d. k. preuss. Akad. d. Wiss. Berlin, p. 245.

*Lophophæna apiculata*, Ehrenberg, 1875, Abhandl. d. k. Akad. d. Wiss. Berlin, p. 78, Taf. viii. fig. 11.

? *Cornutella spiniceps*, Ehrenberg, 1875, Abhandl. d. k. Akad. d. Wiss. Berlin, p. 68, Taf. ii. fig. 6.

Shell with slight collar stricture. Length of the two joints = 5 : 4, breadth = 5 : 6. Cephalis subglobular, with numerous bristle-shaped, radial spines, about as long as its radius. Thorax about the same size, truncate, conical, smooth, with wide open mouth. Pores in both joints of equal size, small, regular, circular.

*Dimensions*.—Cephalis 0.05 long, 0.05 broad; thorax 0.04 long, 0.06 broad.

*Habitat*.—Tropical Atlantic, Station 348, depth 2450 fathoms; also fossil in Barbados.

##### 2. *Lophophæna radians*, Ehrenberg.

*Lophophæna radians*, Ehrenberg, 1875, Abhandl. d. k. Akad. d. Wiss. Berlin, p. 78, Taf. viii. fig. 9.

? *Lophophæna lynx*, Ehrenberg, 1875, Abhandl. d. k. Akad. d. Wiss. Berlin, p. 78, Taf. viii. fig. 13.

Shell with slight collar stricture. Length of the two joints = 4 : 6, breadth = 4 : 5. Cephalis subglobular, with numerous, stout, conical, radial spines, about as long as its diameter. Thorax

<sup>1</sup> *Lophophæna* = Shell with a top-knot; λόφος, φαίνα.