

transverse rows of alternating square pores. Mouth little constricted, nearly as long as the thorax, with a narrow, prominent peristome.

*Dimensions*.—Cephalis 0.02 long, 0.03 broad; thorax 0.08 long, 0.05 broad.

*Habitat*.—Arctic Ocean, Greenland (Schaffner); Iceland (Krabbe).

11. *Dictyocephalus ampulla*, n. sp.

Shell thin-walled, smooth, with slight collar stricture. Length of the two joints = 1 : 4, breadth = 1 : 3. Cephalis subspherical, without pores, hyaline. Thorax inflate, subspherical, with scarce and small, widely-scattered, circular pores. Mouth constricted, only one-third as broad as the thorax, with a narrow, prominent peristome.

*Dimensions*.—Cephalis 0.02 long, 0.02 broad; thorax 0.08 long, 0.07 broad.

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

Subgenus 2. *Dictyocryphalus*, Haeckel, 1881, Prodrömus, p. 430.

*Definition*.—Mouth of the thorax flat or truncate, without prominent ring-like peristome.

12. *Dictyocephalus obtusus*, Ehrenberg.

*Dictyocephalus obtusus*, Ehrenberg, 1860, Monatsber. d. k. preuss. Akad. d. Wiss. Berlin, p. 830.

*Lophophaena obtusa*, Ehrenberg, 1854, Mikrogeol., Taf. xxii. fig. 40.

*Cornutella obtusa*, Ehrenberg, 1844, Monatsber. d. k. preuss. Akad. d. Wiss. Berlin, p. 877.

*Dictyocephalus obtusus*, Haeckel, 1862, Monogr. d. Radiol., p. 296.

Shell smooth, thick-walled, with distinct collar stricture. Length of the two joints = 5 : 6, breadth = 4 : 5. Cephalis ovate, little smaller than the subcylindrical thorax. Pores subregular, circular, of little different sizes. Mouth truncate, without ring-like peristome.

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

*Habitat*.—Fossil in Tertiary rocks of Sicily (Caltanissetta), Grotte, &c.

13. *Dictyocephalus globiceps*, n. sp. (Pl. 62, fig. 7).

Shell rough, thin-walled, with distinct collar stricture. Length of the two joints = 6 : 8, breadth = 6 : 7. Cephalis subspherical, large, with circular, double-contoured pores. Thorax cylindrical, with irregular, roundish pores, the size of which, like the thickness of the wall, decreases gradually towards the truncate mouth, which has no ring-like peristome.

*Dimensions*.—Cephalis 0.06 long, 0.06 broad; thorax 0.08 long, 0.07 broad.

*Habitat*.—Central Pacific, Station 271, depth 2425 fathoms.