

abdomen with about thirty longitudinal, divergent ribs, separating the same number of longitudinal rows of regular, circular pores, the size of which increases gradually towards the base. Feet shovel-shaped (broad, triangular, with convex outer and concave inner side, the obtuse end being curved inwards), about as long as the short abdomen, only slightly convergent.

*Dimensions*.—Length of the three joints,  $a$  0.04,  $b$  0.12,  $c$  0.04; breadth,  $a$  0.04,  $b$  0.12,  $c$  0.11.

*Habitat*.—Fossil in Barbados.

### 27. *Podocyrtis costata*, n. sp.

Shell ovate, smooth, of the same form and structure as *Podocyrtis papalis*, but with two distinct strictures and different proportions. Length of the three joints = 1 : 3 : 6, breadth = 2 : 4 : 6. About thirty longitudinal ribs regularly alternating with rows of circular, regular pores. Feet as in *Podocyrtis papalis*.

*Dimensions*.—Length of the three joints,  $a$  0.02,  $b$  0.06,  $c$  0.12; breadth,  $a$  0.04,  $b$  0.08,  $c$  0.12.

*Habitat*.—Central Pacific, Stations 266 to 272, depth 2425 to 2925 fathoms.

### 28. *Podocyrtis mitrella*, Ehrenberg.

*Podocyrtis mitrella*, Ehrenberg, 1875, Abhandl. d. k. Akad. d. Wiss. Berlin, p. 82, Taf. xv. fig. 3.

Shell ovate, smooth, nearly of the same form and structure as *Podocyrtis papalis*, but different in the proportions of the joints, in the much smaller, regular pores, and in the great breadth of the shovel-shaped, blunt, about semicircular feet. Length of the three joints = 2 : 9 : 4, breadth = 3 : 10 : 3. Cephalis subspherical, with a thick pyramidal horn of the same length. Slight collar, but no lumbar stricture.

*Dimensions*.—Length of the three joints,  $a$  0.02,  $b$  0.09,  $c$  0.04; breadth,  $a$  0.03,  $b$  0.1,  $c$  0.03.

*Habitat*.—Fossil in Barbados.

### 29. *Podocyrtis mitra*, Ehrenberg.

*Podocyrtis mitra*, Ehrenberg, 1854, Mikrogeol., Taf. xxxvi. fig. 20; Abhandl. d. k. Akad. d. Wiss. Berlin, 1875, p. 82, Taf. xv. fig. 4.

Shell ovate, conical, smooth, with two slight strictures. Length of the three joints = 1 : 2 : 3, breadth = 1 : 3 : 4. Cephalis with the horn (of equal length) conical. Pores regular, circular, in about twenty longitudinal rows, slightly increasing in size in the middle part of the abdomen. Feet shovel-shaped, blunt, slightly divergent, only as long as the cephalis.

*Dimensions*.—Length of the three joints,  $a$  0.025,  $b$  0.5,  $c$  0.7; breadth,  $a$  0.03,  $b$  0.075,  $c$  0.1.

*Habitat*.—Cosmopolitan; Mediterranean (Gibraltar), Canary Islands, Central Pacific, Stations 265 to 274, in different depths; also fossil in Barbados.