

circular, quincuncial, four times as large in the abdomen as in the thorax. Feet short and broad, triangular, shovel-shaped, with convergent ends. This species is similar to *Podocyrtis brevipes*, but differs in the form and size of the horn and of the feet.

*Dimensions*.—Length of the three joints,  $a$  0.02,  $b$  0.03,  $c$  0.05; breadth,  $a$  0.02,  $b$  0.04,  $c$  0.08.

*Habitat*.—Central Pacific, Stations 263 to 274, depth 2350 to 2925 fathoms.

38. *Podocyrtis lithoconus*, n. sp. (Pl. 72, fig. 3).

Shell conical, thick-walled, smooth, with two slight strictures. Length of the three joints = 2 : 3 : 6, breadth = 2 : 4 : 7. Cephalis hemispherical, with a spindle-shaped horn of the same length. Pores subregular, circular, two to four times as broad in the abdomen as in the thorax. Feet triangular, shovel-shaped, nearly vertical, as long as the cephalis.

*Dimensions*.—Length of the three joints,  $a$  0.03,  $b$  0.06,  $c$  0.12; breadth,  $a$  0.04,  $b$  0.08,  $c$  0.14.

*Habitat*.—Central Pacific, Station 270, depth 2925 fathoms.

39. *Podocyrtis ampla*, Ehrenberg.

*Podocyrtis ampla*, Ehrenberg, 1875, Abhandl. d. k. Akad. d. Wiss. Berlin, p. 80, Taf. xvi. fig. 7.

Shell conical, thick-walled, with distinct collar, but without lumbar stricture. Length of the three joints = 1 : 4 : 5, breadth = 1 : 6 : 7. Cephalis hemispherical, with a large conical horn, as long as the thorax. Pores regular, circular, quincuncial, three times as broad in the rough abdomen as in the smooth thorax. Feet very small, shovel-shaped, only as long as the cephalis.

*Dimensions*.—Length of the three joints,  $a$  0.02,  $b$  0.08,  $c$  0.1; breadth,  $a$  0.03,  $b$  0.12,  $c$  0.14.

*Habitat*.—North Atlantic (Florida); also fossil in Barbados.

40. *Podocyrtis nana*, Ehrenberg.

*Podocyrtis nana*, Ehrenberg, 1875, Abhandl. d. k. Akad. d. Wiss. Berlin, p. 82, Taf. xvii. fig. 2.

Shell conical, thorny, with two distinct strictures. Length of the three joints = 1 : 3 : 3, breadth = 2 : 5 : 6. Cephalis hemispherical, with a large cylindrical horn, nearly as long as the shell. Pores in the abdomen irregular, roundish, two to four times as broad as the regular, circular, quincuncial pores of the thorax. Feet very small, shovel-shaped, scarcely as long as the cephalis.

*Dimensions*.—Length of the three joints,  $a$  0.01,  $b$  0.03,  $c$  0.03; breadth,  $a$  0.02,  $b$  0.05,  $c$  0.06.

*Habitat*.—South Atlantic, Station 335, depth 1425 fathoms; also fossil in Barbados.

41. *Podocyrtis lyæa*, Haeckel.

*Thyreocyrtis lyæa*, Ehrenberg, 1875, Abhandl. d. k. Akad. d. Wiss. Berlin, p. 84, Taf. xii. fig. 3.

Shell ovate, conical, with two deep strictures. Length of the three joints = 2 : 5 : 8, breadth = 3 : 8 : 9. Cephalis hemispherical, with a large conical horn, which is spinulate, scaly, and as