

three heart-shaped gates. On the six corners of the margin (which forms a regular hexagon) are six pyramidal radial spines, as prolongations of the arm-edges.

Dimensions.—Diameter of the disk 0.05, of the gates 0.02.

Habitat.—Indian Ocean, Ceylon, surface, Haeckel.

5. *Triopyle renigera*, n. sp.

Disk hexagonal, five times as broad as the circular central chamber. Three arm-chambers trapezoidal, at the base one-third, at the distal end two-thirds as broad as the three kidney-shaped gates. On the six corners of the margin (which forms an irregular hexagon) six conical radial spines, as prolongations of the arm-edges.

Dimensions.—Diameter of the disk 0.06, of the gates 0.02.

Habitat.—South Pacific, Station 295, depth 1500 fathoms.

6. *Triopyle spinigera*, n. sp.

Disk roundish, triangular, four times as broad as the triangular central chamber, which is armed with three radial spines between the arms. Arm-chambers club-shaped, at the narrow base one-fourth, at the distal end half as broad as the square gates. On the margin twelve large conical spines, two opposite on each face of the distal end of each arm-edge. Three smaller radial spines on the three corners of the girdle (in the same interradial meridian planes as the three spines of the central chamber). Compare *Triodiscus spinosus*.

Dimensions.—Diameter of the disk 0.05, of the gates 0.02.

Habitat.—South Atlantic, Station 332, depth 2200 fathoms.

Genus 247. *Triodiscus*,¹ n. sp.

Definition.—Pylodiscida with a simple, spherical or lenticular, central chamber, surrounded by three simple arm-chambers. Notches between the three arms closed by lattice-work and by an equatorial girdle.

The genus *Triodiscus* differs from the preceding *Triopyle* in the development of loose lattice-work on both sides of the discoidal shell. This network closes the gates and transforms the whole shell into a fenestrated lens. The singular species of *Triodiscus* correspond to certain species of *Triopyle*.

1. *Triodiscus lenticula*, n. sp.

Disk circular, lenticular, three times as broad as the central chamber. Three arm-chambers trapezoidal, of the same size and form as the three gates between them, which are closed by a loose

¹ *Triodiscus* = Disk with three openings; τριδιάσκος.