

beams in the principal axes, as in *Octopyle*). One wing of the sagittal girdle turns around the other in two to three simple spiral turns.

*Dimensions*.—Length of the cortical shell 0·27, breadth 0·18; length of the medullary shell 0·04, breadth 0·03.

*Habitat*.—South Pacific, Station 288, surface.

3. *Tholospira dendrophora*, n. sp. (Pl. 49, fig. 6).

Cortical shell covered with numerous (forty to fifty or more) branched radial spines, about half as long as the shell; each spine with two to six dichotomous branches. Perimeter of the lateral plane elliptical, one and a third times as long as broad. Eight internal egg-shaped gates, as in the foregoing species. One single wing of the sagittal girdle turns around the other in three to four spiral turns.

*Dimensions*.—Length of the cortical shell 0·22, breadth 0·17; length of the medullary shell 0·05, breadth 0·04.

*Habitat*.—Pacific, central area, Station 272, depth 2600 fathoms.

Subgenus 2. *Tholospironium*, Haeckel.

*Definition*.—Spiral convolutions of the cortical shell double; both wings of the sagittal girdle turning around the transverse axis.

4. *Tholospira hystrix*, n. sp.

Cortical shell covered with numerous (sixty to eighty or more) simple conical spines, about half as long as the shell. Perimeter of the lateral plane hexagonal, one and a half times as long as broad. Four internal kidney-shaped gates, as in *Tetrapyle*. Both wings of the sagittal girdle turn round one another in two to two and a half double spiral turns.

*Dimensions*.—Length of the cortical shell 0·21, breadth 0·14; length of the medullary shell 0·04, breadth 0·03.

*Habitat*.—North Atlantic, Station 354, surface.

5. *Tholospira cervicornis*, n. sp. (Pl. 49, fig. 5).

Cortical shell covered with numerous (forty to fifty or more) branched radial spines; each spine antler-shaped, about as long as the medullary *Larnacilla*-shell, with eight to twelve dichotomous branches (similar to *Cromyodrymus abietinus*, Pl. 30, fig. 6). Perimeter of the lateral plane elliptical, one and a third times as long as broad. Four internal kidney-shaped gates, as in *Tetrapyle*. Both wings of the sagittal girdle turn round one another in one and a half to two double spiral turns.

*Dimensions*.—Length of the cortical shell 0·2, breadth 0·15; length of the medullary shell 0·03, breadth 0·025.

*Habitat*.—Pacific, central area, Station 271, depth 2425 fathoms.