

Genus 308. *Tholospira*,¹ n. gen.

Definition.—Lithelida with double, trizonal or *Larnacilla*-shaped medullary shell; cortical shell subspherical or lentelliptical, constructed of a simple or double spiral of the sagittal girdle (or third cortical girdle); the spiral lamella revolving around the transverse axis.

The genus *Tholospira* represents the third genus of *Larospirida*. Whilst the spiral growth of the cortical shell is produced in *Larospira* by the first (transverse) girdle of the Diplozonaria, in *Pylospira* by the second (lateral) girdle, in *Tholospira* it is effected by the third or sagittal girdle, which we found complete in *Pylonium*. If in this genus one wing of the sagittal girdle overgrow the other remaining one and turn around the transverse axis, we get *Tholospirema*, the first subgenus of our genus, with simple spiral; but if afterwards the second wing follow the example of the first, and overgrow it from the other side, we get *Tholospironium*, with double spiral.

Subgenus 1. *Tholospirema*, Haeckel.

Definition.—Spiral convolutions or turns of the cortical shell simple, only one single wing of the sagittal girdle turning around the transverse axis.

1. *Tholospira nautiloides*, n. sp.

Cortical shell with smooth surface, five times as long as the lentelliptical medullary shell. Perimeter of the lateral plane elliptical, one and a half times as long as broad. Four internal kidney-shaped gates (between the lateral wings of the transverse girdle, as in *Tetrapyle*). One wing of the sagittal girdle turns around the other in two to two and a half simple spiral turns.

Dimensions.—Length of the cortical shell 0·24, breadth 0·18; length of the medullary shell 0·05, breadth 0·04.

Habitat.—Indian Ocean, between Ceylon and Socotra, Haeckel, surface.

2. *Tholospira spinosa*, n. sp.

Cortical shell covered with numerous (sixty to eighty or more) simple, bristle-like radial spines, about the length of the shell. Perimeter of the lateral plane nearly quadrangular, with four rounded corners (on the poles of two crossed diagonal axes), one and a half times as long as broad. Eight internal egg-shaped gates (between the lateral wings of the transverse girdle and two axial

¹ *Tholospira* = Shell with spiral domes; θόλος, σπίρα.