

Holothuria martensii, Semper, 1868.

The tables have a smooth or slightly uneven disk and a long spire composed of four rods and three to five transverse beams. The buttons commonly provided with six holes and two knobs on the middle beam.

Habitat.—Amboina (Semper), Celebes and Banda (Ludwig).

(Mus. Holm.) One specimen from Banka and another from Darnley Island. Concerning my own researches regarding these specimens, I may refer to what is said with regard to the Challenger specimens (p. 177), with which they agree in most respects. It may, however, be pointed out that the disks of the tables in the latter specimen seem to be considerably larger and more irregular, and that the spire seems to be longer; even the buttons have generally more holes and knobs, and attain a greater length.

3. *Buttons of two kinds, smooth and knobbed.**Holothuria squamifera*, Semper, 1868.

In addition to the smaller more numerous tables of the usual shape, much larger ones may be found, having the disk more richly perforated and the spire long, narrow, and provided with several transverse beams (about five). The smooth buttons have eight to twelve holes; the knobbed ones are less common and of slightly more irregular shape.

Habitat.—Philippine Islands, Navigator Islands, and Java (Semper).

The papillæ of this species are scale-like, and the mouth is surrounded by small groups of papillæ.

Holothuria cubana, Ludwig, 1875.

The tables have a knobbed disk and a short spire terminating in numerous teeth. The smooth buttons are slightly deformed, resembling oblong plates with uneven margins and a few small holes. The knobbed buttons are oval, symmetrical, commonly pierced by ten holes, and carrying numerous knobs.

Habitat.—Cuba (Ludwig).

The following forms are mostly very incompletely known and in need of re-examination :—

Holothuria ealcareia, Sars, 1859 and 1861.

Habitat.—Finmark (Sars), White Sea (Jarzynsky).

Nearly allied to *Holothuria tremula*, and probably identical with it, the calcareous matters having probably been dissolved by some impurity in the alcohol.