

3. *Buttons—smooth ones in company with knobbed.**Holothuria bowensis*, Ludwig, 1875.

Ventral surface with pedicels; dorsal surface with papillæ. The tables have a well developed, smooth, symmetrical disk, perforated with a central hole surrounded by a simple or double circle of peripheral ones, and a slender spire made up of four rods and four or five transverse beams; the spire is spinous not only at the top, but also in its neighbourhood. The buttons are partly smooth elongate, with three to seven pairs of holes, partly smaller oval with three pairs of holes and some knobs on the middle beam.

Habitat.—Bowen (Ludwig).

4. *Buttons either partly or altogether transformed into fenestrated hollow eggs.**Holothuria coluber*, Semper, 1868.

Dorsal surface with papillæ; ventral surface with pedicels. The tables like those in *Holothuria martensii*, thus having a long spire of four rods and three to five transverse beams. Buttons partly regularly formed, partly transformed into hollow fenestrated eggs.

Habitat.—Philippine Islands (Semper).

According to Semper, the tables are like those in *Holothuria martensii*, but, judging from the figures given by the same author, their disks are not smooth on the margin but uneven, dentate, or spinous. The meaning of "regularly formed buttons" is not clear, as it leaves undecided the smooth or knobbed character of the buttons.

Holothuria chilensis, Semper, 1868.

Pedicels all over the body. The disks of the tables have a slightly uneven margin, and the spire, built up of four rods and one transverse beam, terminates in about twelve teeth. The buttons are often transformed into hollow fenestrated eggs.

Habitat.—Chili (Semper).

Even here the description of Semper is not entirely satisfactory with regard to the buttons, whether they are smooth or not. In the explanation of the plates he speaks of "rosettes," which are not mentioned in the text.

Holothuria kubaryi, Ludwig, 1868.

Pedicels all over the body. Deposits like those in *Holothuria coluber*.

Habitat.—Pelew Islands (Ludwig).