

Further investigations are required to prove whether there really exist any differences between this species and *Holothuria coluber*, which at least must be nearly allied. *Holothuria kubaryi* has a whitish colour, the spire of the tables lower and more spinous, and pedicels all over the body, while *Holothuria coluber* is blackish, and has pedicels as well as papillæ, &c.

## II. Ambulacral appendages—papillæ alone.

### 1. *Buttons smooth.*

#### *Holothuria princeps*, Selenka, 1867.

The disk of the tables provided with twelve spines on the margin, and the spire, made up of four rods and one transverse beam, terminates in eight teeth. The buttons of delicate construction, symmetrical, and undulated on the margin. In the papillæ the tables are transformed, presenting themselves under the shape of conical slender bodies with the disk reduced to a simple ring and the spire terminating in a simple point.

*Habitat.*—Florida (Selenka), Egmont Key (Verrill).

The species is characterised by the radial pieces of the calcareous ring being prolonged and bifurcated posteriorly. To judge from the figure given by Selenka, the buttons must be smooth and pierced with six holes, though the author does not mention anything about that in the text.

*Holothuria impatiens* (*Fistularia*), Forskaal, 1775; Gmelin, 1788; Semper, 1868; Ludwig, 1875. *Trepang impatiens*, Jæger, 1833. *Thyone impatiens*, Blainville, 1834. *Sporadipus impatiens*, Grube, 1840. *Holothuria botellus*, Selenka, 1867 and 1868; Semper, 1868. *Holothuria fulva*, Quoy and Gaimard, 1833.

The smooth solid disks of the tables are, as a rule, pierced with nine nearly equally large holes in three rows, and the spire, made up of four rods and one or two transverse beams, terminates in numerous teeth. The symmetrical buttons have always six holes.

*Habitat.*—Mediterranean Sea (von Marenzeller, Grube, Ludwig, Semper, &c.), Red Sea (Gray, Forskaal, Ludwig, Semper), Gulf of Suez (Gray, Semper), Zanzibar (Selenka), Mauritius (Haacke, Ludwig), Mozambique (Semper, Bell), Madagascar (Ludwig), Amboina (Ludwig, Semper), Philippine Islands, Navigator Islands, Fiji Islands, Nicobar Islands, Pelew Islands, MacKean's Island and Palma (Semper), Society Islands, Sandwich Islands, Tortugas, Florida, and Panama (Selenka), Java (Semper, Kuhl and Hasselt), Timor, Banda, Cape York, Tahiti, and Surinam (Ludwig), New Holland (Quoy and Gaimard).