

*Chirodota australiana*, Stimpson, 1856.

Tentacles ten, each with ten serrulated digits. Body with two kinds of papillæ, the smaller, spread everywhere, consisting of accumulations of spicules which are hooked at one extremity and slightly bent at the other; the larger, white ones consist of accumulations of wheels and are scattered, quite thickly, along one side of the body only.

*Habitat*.—Port Jackson (Stimpson).

## C. Wheels alone or in company with minute grains or half-moon-shaped bodies.

## I. Tentacles ten.

*Chirodota dunedinensis*, Jeffrey Parker, 1881.

Each of the tentacles with about ten digits. Calcareous spicules in the form of wheels. Description not very satisfactory.

*Habitat*.—Otago Harbour, New Zealand (Parker).

## II. Tentacles twelve.

1. *Digits of the tentacles numerous, about twenty.**Chirodota violacea*, Peters, Müller, 1849, 1850, 1854.

Wheel-papillæ arranged in five irregular series. Besides the wheels, numerous minute grains in the shape of half-moons. One or more Polian vesicles.

*Habitat*.—Mozambique (Müller).

2. *Digits of the tentacles few, rarely more than thirteen.*

*Chirodota lævis* (*Holothuria*), Fabricius, 1780; Grube, 1850; Lütken, 1857; Duncan and Sladen, 1881. *Holothuria pellucida*, Vahl, O. F. Müller, 1788–1806. *Pentacta pellucida*, Jæger, 1833. *Pentacta lævis*, Jæger, 1833. *Cucumaria pellucida*, Blainville, 1834. *Cucumaria lævis*, Blainville, 1834. *Dactylota pellucida*, Brandt, 1835. *Dactylota lævis*, Brandt, 1835. (?) *Thyonidium pellucidum*, Sars, 1851. (?) *Synapta coriacea*, Agassiz, 1852. (?) *Trochinus pallidus*, Ayres, 1854. (?) *Chirodota tigillum*, Selenka, 1867. (?) *Chirodota typica*, Selenka, 1867.

Each of the tentacles with ten to twelve digits. Wheel-papillæ twenty to thirty in each of the three dorsal interambulacra, three to twelve in the two ventral interambulacra, the two latter being always naked in their middle. Polian vesicles several (ten to fourteen or more). Neither Sars nor Duncan and Sladen seem to have found any other deposits in the integument than wheels.

*Habitat*.—North-west coast of Norway at Nordland and Lofoten (Vahl, Sars), White Sea (Jarzynsky), Spitzbergen (Ljungman), Greenland (Lütken, Duncan and Sladen,