

the nuchal region, a few larger ones extend down the back on either side of the middle line; the warts extend on to the ventral surface of the body, where they become much smaller, more even, and average less than 1 mm. in diameter; they do not cover the inner surface of the umbrella between the two dorsal arms. Above each eye there seems to have been a short cirrus, but these have been rather damaged.

*The Colour* is a dull purplish grey, very dark above, much lighter below.

*The Jaws* are figured on Pl. IV. figs. 4, 5.

*Dimensions.*<sup>1</sup>

Length, total, . . . . .	470	mm.
End of body to mantle margin, . . . . .	55	„
End of body to eye, . . . . .	80	„
Breadth of body, . . . . .	55	„
Breadth of head, . . . . .	40	„
Eye to edge of umbrella, . . . . .	60	„
Length of extremity of hectocotylised arm, . . . . .	2.5	„
Breadth of extremity of hectocotylised arm, . . . . .	1.5	„
Diameter of largest sucker on lateral arm, . . . . .	18	„
Diameter of largest sucker on ventral arm, . . . . .	8	„
	Right.	Left.
Length of first arm, . . . . .	270 <sup>2</sup>	320
Length of second arm, . . . . .	350	380
Length of third arm, . . . . .	320	320 <sup>2</sup>
Length of fourth arm, . . . . .	260 <sup>2</sup>	320

This species differs very markedly from *Octopus granulatus*, Lamk., in the size and form of the tubercles covering the body and head and in the rows of larger ones down the back, as also from *Octopus fontanianus* in which the granulation is much finer. From *Octopus tetricus*, Gould, it differs in the smaller size of the umbrella.

*Octopus granulatus*, Lamarck.

1799. *Octopus granulatus*, Lamarck, Mém. Soc. Hist. Nat. Paris, t. i. p. 20.

1838. „ *rugosus*, d'Orb., Céph. acét., p. 45; Poulpes, pls. vi., xxiii. fig. 2.

1869. „ *incertus*, Tozz., Cef. Mus. Firenze, p. 22, tav. vi. figs. 9, 11.

*Habitat.*—St. Vincent, Cape Verde Islands, April 25, 1876; 15 to 20 fathoms. One specimen, . . .

Simon's Bay, Cape of Good Hope; 10 to 20 fathoms. One young specimen.

Atlantic Ocean, shores of the Antilles and Senegal; Pacific Ocean, Manila, Mauritius, Batavia (d'Orbigny); Ceylon (W. E. H.).

Férussac and d'Orbigny identify this species with *Sepia rugosa*, Bosc,<sup>3</sup> and adopt his name in consequence, but his description is so indefinite that it is hardly sufficient

<sup>1</sup> The arms were so bent and contracted that their lengths can only be regarded as approximate.

<sup>2</sup> Mutilated.

<sup>3</sup> *Actes Soc. Hist. Nat. Paris*, 1792, tab. 5, figs. 1, 2.