

*Octopus januarii*, Steenstrup, MS. (Pl. VII. figs. 1-4).

... *Octopus januarii*, Steenstrup, MS. in Mus. Havn.  
 1885. " " Hoyle, Diagnoses I., p. 229.  
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*Habitat*.—Station 122, off Barra Grande, Brazil, September 10, 1873; lat. 9° 5' S., long. 34° 50' W.; 350 fathoms; red mud. One specimen, ♂.

Station 237, North Pacific, east of Japan, June 17, 1875; lat. 34° 37' N., long. 140° 32' E.; 1875 fathoms; blue mud. One specimen, ♂.

Rio Janeiro (Copenhagen Museum).

*The Body* is rounded, widening a little posteriorly; the ventral groove is very faint. The *mantle-opening* terminates just below the eyes. The *siphon* is bluntly conical, and extensively attached to the umbrella; it extends less than halfway to the umbrella margin.

*The Head* is small, and the sides are entirely occupied by the enormous *eyes*, which are swollen and globular, but with very small palpebral openings. The skin covering them is so thin that the dark pigment within is distinctly visible.

*The Arms* are unequal, the dorsal pair being the largest; on an average they are six times as long as the body. The *umbrella* is about equally wide all round, except that it is a little shorter between the two ventral arms.

*The Suckers* are comparatively small, prominent, and separate; more widely in one specimen than in the other, probably owing to its being less contracted by spirit. None of the suckers on the lateral arms are enlarged, notwithstanding the sex. The extremity of the *hectocotylised arm* is well developed; it is broad, and tapers rapidly to an acute point; in one specimen about seven transverse ridges can be counted in the proximal half of the median groove; in the distal half and in the other specimen they are indistinct (Pl. VII. fig. 2).

*The Surface* is perfectly smooth all over.

*The Colour* is a pale purplish-pink; deeper above than below.

*The Jaws* are shown in Pl. VII. figs. 3, 4.

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

Length, total, . . . . .	285 mm.
End of body to mantle margin, . . . . .	35 "
End of body to eye, . . . . .	47 "
Breadth of body, . . . . .	42 "
Breadth of head, . . . . .	32 "
Eye to edge of umbrella, . . . . .	58 "
Length of tip of hectocotylised arm, . . . . .	10 "
Breadth of tip of hectocotylised arm, . . . . .	4 "
Diameter of largest sucker, . . . . .	3.5 "

<sup>1</sup> The measurements are from the Barra Grande specimen; it was in better condition than the other, which had also a length of about 290 mm. The lengths of the arms are measured from the eye.