

*The Tentacles* are comparatively short, being not quite so long as the body; the *stems* are subtriangular. The *club* occupies less than one-third of the length, and has a protective membrane at either side of the suckers and a distinct web on the outer aspect. The large central *suckers* are eight to ten in number, and nearly twice the diameter of the lateral ones (fig. 9); the proximal group consists of about ten, while the distal portion bears four series of diminishing suckers. The *horny ring* bears long, distant, blunt pointed teeth, about twenty-four in the largest suckers (fig. 10), proportionally fewer in the smaller (fig. 11), which are much larger in the distal and external portions of the ring respectively.

*The Surface* is smooth.

*The Colour* is pale yellowish, spotted with brownish-purple and red chromatophores.

*The Gladius* (fig. 12) is of the usual form, the narrow anterior portion being comparatively broad and about one-fourth of the total length.

The description of this species given in the Preliminary Report has been modified in accordance with a drawing of an adult specimen in the Copenhagen Museum, which I received from Professor Steenstrup, and which is reproduced in Pl. XXVII.; the Challenger specimens were so small that it was not worth while to give dimensions of them.

*Loligo* (?) *ellipsura*, Hoyle (Pl. XXIV. figs. 1-6; Pl. XXV. figs. 11-15).

1885. *Loligo ellipsura*, Hoyle, Diagnoses, II., p. 182.

1885. „ „ Hoyle, Prelim. Rep. II., p. 285.

*Habitat*.—Station 313, off Cape Virgins, Patagonia, January 20, 1876; lat. 52° 20' S., long. 67° 39' W.; 55 fathoms; sand. One specimen, ♀.

*The Body* is elongated, widest anteriorly, and tapering gradually to an acute point behind. The *fin* is comparatively short, only one-third the length of the body, elliptical, slightly broader than long. The *mantle-margin* passes almost straight across the back, except where a long narrow median process juts out over the head (Pl. XXIV. fig. 2); it is slightly sinuate ventrally (fig. 1). The *siphon* is short and blunt.

*The Head* is short and very nearly as broad as the body; it has the usual auricular crest and pre-ocular pore.

*The Arms* are unequal, the order of length being 3, 4, 2, 1, and about one-third the length of the body; the first has a distinct web on its dorso-median angle, and the third a still broader web on its outer aspect, passing back nearly as far as the eye, where it becomes connected with another passing up the dorso-lateral aspect of the fourth. The *suckers* (figs. 4, 5) are in two series, pedunculate, oblique, notched distally, and somewhat larger on the lateral than on the other arms. The *horny ring* bears from five to seven