

(Pl. XXXI. fig. 9) is short, entirely concealed within the mantle, and recurved, and at its base bears an elongated, oval, articular depression for articulation with the mantle, the corresponding part of which consists of a fine linear ridge, as in the Onychians, Taonoteuthids and *Tracheloteuthis*; it is connected with the head by two rudimentary but distinct ligaments, and has the prominent muscoli depressores infundibuli which form such a striking character of the last mentioned form. I was unable to ascertain whether a valve is present. It agrees with *Tracheloteuthis* also in the posterior position of the viscera.

*The Head* is long, the *eyes* occupying the antero-inferior angles of it (fig. 8); the bright shining spherical lenses are clearly visible protruding from the body of the eye; over each eye is a chromatophore. *The mouth* is elevated on a process longer than the arms.

*The Arms* are quite rudimentary, the second pair being the longest, the others subequal; they bear one or two suckers.

*The Tentacles* are short and stout without distinct clubs, but with suckers in four rows at the extremities, and reaching down the greater part of the stem.

*The Gladius* extends the whole length of the mantle, and is linear, somewhat expanded behind.

#### *Dimensions.*

Length, total, . . . . .	about 14 mm.
End of body to mantle-margin, . . . . .	9 "
Breadth of body, . . . . .	3 "
Breadth of head, . . . . .	2 "
Length of tentacle, . . . . .	about 3 "

#### *Bathyteuthis*, Hoyle.

*Bathyteuthis*, Hoyle, Narr. Chall. Exp., vol. i. p. 272, May 1885.

*Benthoteuthis*, Verrill, Third Catal., p. 401, July 1885.

*Body* long, cylindrical, tapering but slightly behind; *fins* subterminal, small and rounded; *mantle-connective* an elongated linear ridge fitting into a similar shorter groove on the base of the *siphon*, which is provided with a valve but has no dorsal bridles.

*Head* large, very broad, with prominent eyes.

*Arms* very short, slender and conical; *suckers* very minute and in two or four series. *Buccal membrane* large, with seven points, each bearing one or two suckers.

*Tentacles* long slender, without expanded clubs, but with numerous minute suckers.

*Gladius* resembling that of *Ommastrephes* in front but expanded in the posterior third.