

extremely fine and partly free, simple rays, their number corresponding to that of the vertebræ; each ray starts behind a minute curved spine-like projection of the vertebra (see fig. *d'*). Anal fin of similar structure, commencing immediately behind the vent, and terminating, like the dorsal, at a short distance from the caudal. Caudal fin very narrow and apparently forked. Ventral fins very narrow, pointed, not quite so long as the head, composed of six very feeble rays; their root is about midway between the vent and the head.

A phosphorescent eye-like organ is situated behind the eye, above the middle of the upper jaw. Similar but smaller organs are disposed along the lower side of the abdomen in a double series, which becomes single behind the ventral fins, and is continued on the tail. About twenty-three may be counted in a series in front of the ventral fins, and seventeen between the ventrals and the vent; those on the tail become very inconspicuous behind. Another series of minute organs occupies the base of the branchiostegals.

Colour entirely black; the lateral folds of the dilated portion of the barbel white.

The number of vertebræ appears to be twenty-two in front of the ventrals, seventeen between the ventrals and the vent, and thirty in the tail.

#### Family SALMONIDÆ.

##### *Argentina*, Art.

The three Atlantic species known are very similar to each other in their organisation, and, therefore, we may infer that they agree very much in their habits. They live at a considerable depth, but probably at some distance from the bottom, as they have never been captured by the dredge or trawl during any of the deep-sea expeditions.

##### *Argentina silus*, Cuv.

*Argentina silus*, Collett, Norg. Fisk., p. 173; Nyt Mag. f. Naturvid., vol. xviii., 1884, p. 109.

*Argentina syrtensium*, Goode and Bean, Proc. U.S. Nat. Mus., vol. i., 1879, p. 261.

Known chiefly from specimens obtained off the coast of Norway; Collett reports its occurrence at 80 and 100 fathoms. The specimen described as *Argentina syrtensium* was taken from the stomach of a *Phycis* hooked on a line that had been set in 200 fathoms on Sable Island Bank, off the coast of Nova Scotia.