

800 fathoms. Neither does this family offer a striking instance of bathybial organisation, for although the majority of the species are distinct from the surface forms, their distinctive characters are such as may be also observed among the latter. The number of Flat-fishes of which we have certain indications of their living or occurring beyond 100 fathoms, is only nineteen; and four of them are identical with species which have been long known as littoral inhabitants; one of them descends to 100, the second to 220, a third to 447, and the fourth (*Pleuronectes cynoglossus*) to 732 fathoms, the furthest limit of the vertical distribution of the Pleuronectoid type. The other fifteen species are either generically or specifically distinct from surface forms, ten having been found between 100 and 200 fathoms, two between 200 and 300 fathoms, and three between 300 and 400 fathoms.

### *Hippoglossus*, Cuv.

#### *Hippoglossus pinguis*, Fabr.

*Hippoglossus pinguis*, Collett, Norges Fisk, p. 135.

*Platysomatichthys hippoglossoides* (Walb.), Goode and Bean, Bull. Ess. Inst., vol. xi. p. 7, 1879.

” ” Collett, Norsk. Nordh. Exped. Fisk., p. 142.

*Hippoglossus grænlandicus*, Günth., Fish., vol. iv. p. 404.

An Arctic species, extending southwards to the deep water off the coast of Massachusetts, in the Western Atlantic; found in a single young example by the North Atlantic Expedition, south-west of Bear Island, in 447 fathoms, and occasionally obtained from deep water on the coast of Norway.

### *Hippoglossoides*, Gottsche.

#### *Hippoglossoides platessoides* (Fabr.).

*Hippoglossoides platessoides*, Collett, Norsk. Nordh. Exped. Fisk., p. 145.

” ” Goode, Proc. U.S. Nat. Mus., vol. iii. p. 471.

An inhabitant of the northern seas, from the coast of Scandinavia to that of North America, southwards to New England, and living in shallow water in the vicinity of land. Collett reports its occurrence at depths of from 120 to 220 fathoms south of Spitzbergen and Bear Island. Goode states that it is not unusual in deep water off Southern Massachusetts and Rhode Island.