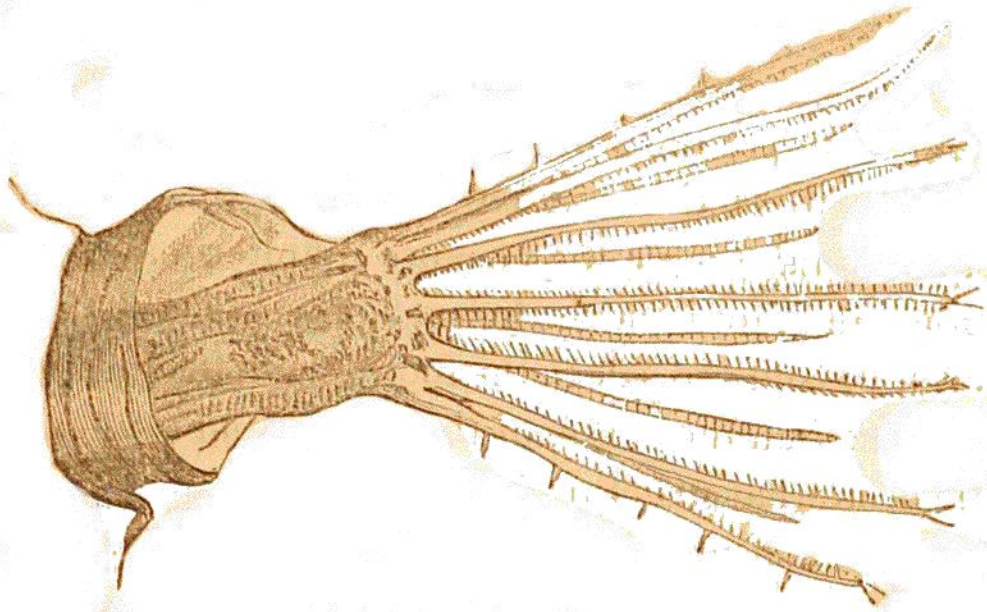


alive by an ingenious contrivance, that secured a constant supply of fresh sea-water, without which they speedily perished, probably from want of food. The microscope, which was of unrivalled excellence, was so adapted that the polypi were kept constantly within the field of view, and I had the pleasure of witnessing the phenomena which I am about to describe.



TAB. 99. — POLYPE OF FLUSTRA PILOSA; WITH ITS MOUTH AND CILIATED ARMS PROTRUDED FROM THE CELL.*

(Magnified 150 times.)

Sometimes the polype was seen protruding its tentacula (as in Tab. 99, and Plate VI. fig. 3); in other examples, the animals retreated into their cells, and appeared in different states of contraction (Plate VI. fig. 9). In a specimen of *Campanularia* (Plate V. fig. 2), the animalcules were expanded in one branch, and retracted within their cells in the

* Lister. Philos. Trans. for 1834. Plate XII. fig. 2.