Only one specimen occurred of a species of *Amphiura* which has not yet been determined; but there were seven or eight examples of the handsome *Ophioglypha* figured in wood-cuts 104 and 105. *Ophioglypha bullata* belongs to the small sub-section of the genus, with short, knotted arms, slit-like foot-pores, and marked grooves between the joints of the arms; which already contains two arctic species, *O. nodosa* and *O. Stu-witzii;* it is most nearly allied to the former of these, but there are many points of distinction.

The diameter of the disk in a full-grown specimen is 10 mm., and the length of the arm is about twice and a half the diameter of the disk. The dorsal surface of the disk is covered with rather prominent granular scales of different forms and sizes; six of the larger of these form a rosette in the centre of the disk, but they are separated from one another by bands of the scaly perisom, and not in contact as in *O. nodosa.* The radial shields are prominent, slightly longer than broad, and they also are separated throughout their entire length by wedges of peri-som. The mouth-shields are egg-shaped, very large and prominent, occupying nearly the whole space between the arms, and running out quite to the edge of the disk. These inflated mouth-shields give a very marked character to the species. The mouth-papillæ are short and blunt, about twelve on each angle of the mouth; the teeth are six or eight in number on each angle, and rather long and pointed. The under arm-plates are square and prominent, apposed to one another in series near the bases of the arms, but rapidly separating and becoming smaller and rounder distally. The upper arm-plates are small and like-wise prominent. The lateral arm-plates are large and rounded, and project laterally, which gives its peculiar knotted or beaded appearance to the arm. The arm-spines are very small, in a row of five or six on each lateral plate; on the distal arm-joints, they become somewhat longer. The large elliptical foot-pores are fringed all round with closely set flat papillæ. *Ophioglypha*