

which cover the rest of the palp. This is represented in Pl. III. fig. 10, *a*, which is drawn from the maxillipede of the right side of *Serolis gracilis*; with this figure may be compared Pl. I. fig. 11, which represents the same appendage in *Serolis cornuta*; this character is so trifling, that if it were not regularly present in all the deep-sea species, and as regularly absent from all the shallow-water species, with which I am acquainted, it would indeed be hardly worth mentioning. In a young specimen of *Serolis antarctica* from the brood cavity of the mother, in which the appendages are still in a comparatively undeveloped condition without any hairs and spines, this prominence is conspicuous upon the palp of the maxillipede, and is armed upon its upper surface with a short pointed spine; it is possibly the rudiment of some structure highly developed in the ancestors of the group.

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#### NOTE.

In the Plates which accompany this Report the figures of the animals themselves were in most cases drawn by Mr. Mintern from the actual specimens; the appendages were lithographed by him from my drawings. When not otherwise stated the figures are magnified from 10 to 30 diameters.