

little teeth or spines, and a spinule or two on a little indent near the top of the inner margin.

*Maxillipeds.*—Inner plates small, not reaching the apex of the first joint of the palp, not strongly armed; the outer plates small, reaching little beyond the inner, about level with the apex of the first joint of the palp, the distal part of the inner margin serrate, armed with a few spinules; the first joint of the palp scarcely longer than its distal breadth; the second joint about twice the length of the first, broad, with slender spines on the inner margin; the third joint not much shorter than the second; the finger as long as the third joint.

*First Gnathopods.*—First joint as long as the hand, but narrower, widening a little distally; third joint a little longer than the second, with half-a-dozen slender geniculate spines across the inner surface, the middle of the convex hind margin furred, the front apex acute, resting on the wrist; the wrist much longer than the third joint, shorter and much narrower than the hand, the front margin smooth, the hinder furred, the inner surface carrying many slender spines; the hand widening from the base to the apex of the short hind margin, which is partly furred, the adjoining surface being microscopically marked with lines of pectination, the apex itself forming a strong denticulate tooth-process carrying setules and a palmar spine; from the cavity of this process rises on the inner surface a much smaller triangular process, also carrying a palmar spine; from this point to the narrowed apex of the hand the long convex palm, which almost usurps the place of the hind margin, is planted with numerous small spines and a few setules; the front margin is smooth, not very convex, with four transverse rows of long graduated spines on the adjoining surface; the finger is as long as the palm, slender, curved, with a very small dorsal cilium close to the base, and some cilia or hairs near the smooth inner margin.

*The Second Gnathopods* much larger than the first, especially in the male, in which the hand is immensely dilated; in structure the second gnathopods much resemble the first, except in regard to the wrist, which is here scarcely longer than the third joint, almost coalescent with the hand, to which it forms a very narrow base; the finger is bulky in some proportion to the size of the hand, having in the Challenger specimen of the male a small incurving of the inner margin near the base. The male specimen was defective beyond the second segment of the peræon.

*First Peræopods.*—Side-plates small, but very distinct, much broader than deep. Branchial vesicles small, a narrow oval. Marsupial plates large, the fringing setæ small. The limb very slender, first joint nearly as long as the segment; second slightly narrower than the first, little longer than broad; third longer than the fourth, the two together about as long as the first; the fifth a little longer than the fourth, scarcely narrower; the finger slender, tapering, curved at the acute tip, nearly as long as the fourth joint.