

distinctly marked; this pair deeper behind than in front. First joint of the limb, as in all the limbs of the peræon, broadly dilated, with a large space left free from muscles, the lower part of the front of the joint in the first four pairs and the corresponding hinder part in the last three being channelled; in the first gnathopods this joint is most dilated at a little distance from the base; the apex of the hind margin has three or four spines; the second joint broader than long, with six or seven spines round the hinder apex; the third joint rather longer than the second, with a dozen spines round the distal margin where it projects behind the wrist; the wrist widening distally, longer than the hand and much broader, with three spines on the front apex, one on the margin a little higher up, three or four groups on the hind margin, and others on the surfaces adjoining it, the distal margin which projects behind the hand being set with about a dozen spines; the hand having spines singly or in pairs at nine points of the slightly convex serrate front margin, others on both surfaces, the hind margin straight, pectinate, carrying five small spines; the finger little curved, finely pectinate nearly to the tip, more than half the length of the hand.

*Second Gnathopods* similar to the first but longer. Branchial vesicles of great size, fully as long as the first joint and much broader. The front margin of the first joint nearly symmetrically convex, so that the greatest breadth of the joint is near the middle; there are eighteen or more spines round the distal margin of the third joint, which projects behind the wrist as in the first pair, but is longer than there; the wrist is longer than in the first pair, narrower at the base but distally wider, and a little produced downwards, similarly armed, the distal margin in both cases having some fine pectination; the hand is a little longer and narrower, with fewer spines than in the first pair, otherwise similar, as is also the finger. The spines which have been mentioned have in most or all cases a delicate feathering on parts of two edges; the pectination is not uniform throughout, but for the most part consisting of two or three little points alternating with one that is larger.

*First Peræopods*.—Front margin of the side-plates more flattened than in the preceding pairs. Branchial vesicles large like the preceding and following pairs. The first joint rather longer than in the second gnathopods, of the same breadth, but broadest below the centre, and with the muscles running up nearer to the base; there are six or seven little spines distributed along the hind margin, and three at its apex; the second joint is a little longer than broad; the third is shorter than the fourth, with a scarcely perceptible pectination of the hind margin; the fourth is much shorter than the fifth, but somewhat wider, with three little distant spines on the hind margin, and some slight pectination about its apex, which is in no way produced, but projects behind the fifth joint; the fifth joint narrow, curved, its concave hind margin minutely pectinate, the pectination becoming a little stronger round the apex; the finger very short, not a quarter the length of the fifth joint, apparently quite smooth.