

convexities of the lower and hind margins of the third segment meet in a less-rounded angle.

*Eyes* not clearly perceived, but probably large.

*Upper Antennæ* as in *Orchomene musculosus*.

*Lower Antennæ* similar to those in the species just named, but the third joint as long as the fifth, the fourth longer than either; the flagellum of fifteen joints.

*Upper Lip*.—Front margin rounded in lateral view, apex strongly furred below.

*Mandibles* as in *Orchomene musculosus*, but having the trunk narrower behind the palp; the second joint of the palp more elongate, with eighteen to twenty spines on the upper part; and on the third joint three and twenty spines on the front margin.

*Lower Lip* and *Maxillæ* as in the kindred species. In the first pair of maxillæ the spines on one maxilla do not appear to agree exactly in dentation with those on the other, and in the two species some variation would probably be found upon a comparison of spine with spine.

*Maxillipeds* differing but slightly from those of *Orchomene musculosus*, the little marginal teeth of the outer plates being only eleven in number, the first joint of the palp rather less developed; the slender terminal joint has two cilia beside the slender spine-like nail, one on the pectinate inner margin not far from the nail, and a longer one on the outer margin also not far from the nail; near the base is a small depression on the outer margin, but without a cilium present in our specimen.

*First Gnathopods*.—Side-plates longer than broad, a little widened below, scarcely produced forwards, front margin nearly straight. First joint reaching beyond the side-plate, as long as the rest of the limb, not broad or expanded at any part; the remainder of the limb not massive as in *Orchomene musculosus*, but otherwise showing a remarkable similarity in detail; the pectination of the palm differs a little in the two species, but this minute character might vary in different specimens of the same species.

*Second Gnathopods* with the hand rather longer than the third joint, its hinder margin concave, strongly produced to antagonize with the minute finger, the very oblique lower margin being set with eight or nine curved spines, so graduated that in one of the gnathopods their tips presented an even line in continuation of the hinder margin of the hand. These spines are partially serrate on the inner side, and have an accessory thread at the tip, giving the tip a rather ragged appearance. The limb in general resembles that in *Orchomene musculosus*, and has the same delicate furring of the wrist, but the hand is considerably more produced, so as to be on a minute scale chelate rather than subchelate.

*First Peræopods*.—Side-plates long and narrow, of almost even width throughout. First joint reaching just to the end of the side-plate, shorter than the second and third united.

*Second Peræopods*.—Side-plates a little longer than those of the preceding pair, not double the width at the acute lower angle of the hinder excavation. First joint not