

both smooth; third joint a little longer and broader than the second; fourth longer and narrower than the third; fifth oval, about as long as the third; finger apparently triangular, very sharp at the tip; all the joints of this limb but the first may be regarded as rudimentary.

Pleopods.—Peduncles stout, produced downwards at the inner angle; cleft spine with the arms subequal; inner ramus with six joints; outer with seven.

Uropods.—Peduncles of the first pair longer and broader than those of the second, but not reaching much beyond them, longer than the rami, the lower half of the outer margin pectinate; outer ramus longer than the inner, both acute, strongly pectinate on both margins; peduncles of the second pair scarcely as long as the outer ramus; the outer is the longer, very slightly toothed on the outer margin, strongly pectinate on the inner, as the inner ramus is on both margins; peduncles of the third pair short, the outer ramus much the shorter, with one or two teeth on the outer margin, the inner margin at first smooth and convex, then concave and strongly pectinate, the much broader inner ramus reaching beyond the telson, pectinate on both margins except near the base.

Telson narrower than the segment with which it is coalesced, about as long as broad, forming in outline an inverted arch, the apex acute. The hexagonal markings conspicuous all over it except just at the tip, where there are some very small submarginal setules; there is also some extremely minute marginal pectination.

Length, from front of the head to back of the second pleon-segment, one-fifth of an inch.

Locality.—July 1875, between Japan and Honolulu; lat. 35° N.; surface. One specimen, male.

Remarks.—The specific name explains itself. The differences are not very great between this eastern species and the western *Amphithyrus sculpturatus*. The sculpture is the same in both. In Claus' species, however, the first joint of the flagellum of the lower antennæ does not so nearly equal the last joint of the peduncle as in the Challenger species; in the second gnathopods Claus figures (though without describing)¹ on the front of the wrist a strong spine of which I here find no trace, while he does not indicate any armature of the thin margin of this and the two preceding joints; judging by his figures also the fifth and sixth joints in the fourth and in the fifth peræopods differ from the corresponding parts in the present species; in the third uropods he gives a more normal outline to the inner margin of the outer ramus, and the telson he figures as having the end broadly rounded, not as in the Challenger species pointed, his description of it being "telson broad and short, rounded off at the end."

¹ It may therefore be an accidental error in the engraving of the plate.