

inner ramus it is the shorter arm that is shaped like the hand of a clock; the joints of the rami vary from five on the inner to seven on the outer ramus; the pair of feathered setæ on each joint are stout.

Uropods.—Peduncles of the first pair scarcely as long as those of the second and much narrower, longer than the rami; the outer ramus much shorter and narrower than the inner, almost completely smooth-edged, acute like the rest of the rami; inner ramus nearly smooth on the inner margin, the outer margin pectinate with thirty or forty very long slender spine-like teeth, and near the apex cut into some strong downward pointing teeth; peduncles of the second pair longer than the rami; the outer ramus shorter than the inner, longer than the outer of the first pair, its outer margin nearly smooth, its inner serrate, less and less closely as it approaches the apex; the inner ramus broadly lanceolate, with both margins denticulate, the outer more closely than the inner; the peduncles of the third pair as long and broad as those of the second, the rami equal in length, not as in the other pairs more, but less, than half the length of the peduncles; the outer ramus with the outer margin almost smooth, the inner denticulate; the inner ramus having eight teeth or serratures on its nearly straight inner margin, and nine or ten stronger teeth on the outer, the proximal part of which is straight and smooth; the peduncles of the second and third pairs have the under surface grooved for a short distance from the base backwards.

Telson very small, distally rounded, apparently rather tumid and very thin-walled.

Female.

Upper Antennæ.—First joint cylindrical, rather longer than broad, second about a fourth the length of the first, narrowing towards the still shorter third joint; the flagellum not quite so broad as the peduncle, but twice as long, with convex margins tapering to an outdrawn point, the inner margin fringed with groups of filaments.

Lower Antennæ shorter than the terminal joint of the upper; the gland-cone is observable on the inner side of the antennæ, but coalesced with the wall of the head; the third (first free) joint is tapering, followed by a minute terminal joint.

Marsupial Plates much larger than the branchial vesicles, without setæ; a large pair attached to each of the first three pairs of peræopods and a small pair to the second gnathopods.

Pleopods.—The peduncles rather more slender than in the male.

Length of the male specimen, in the position figured, from the front of the head to the extremity of the uropods, three-tenths of an inch; fully extended, the length would be about four-tenths.

Locality.—July 1875; between Japan and Honolulu, lat. 35° N.; surface. Seven specimens, male and female.