

shining. Lobes covered with a broad network of raised lines, the spaces between deep, finely punctured and shining. The sides of the lobes beneath finely longitudinally striate. *Mandibles* massive, convex, smooth and shining, with some small scattered punctures and a row of widely separated larger punctures a short distance from masticatory border; *clypeus* transverse, triangular, deeply notched in middle of anterior border, with a strong carina in centre divided into two raised lines extending into frontal area; *frontal area* smooth, shining, deep, with rounded basal border; *frontal furrow* absent; *antennal carinae* strongly raised, anteriorly divergent, with very sharp edges, slightly sinuate at base enclosing a scrobe reaching beyond middle of head; *antennae* 12-jointed, *scape* short, reaching a little beyond middle of head, *funiculus* with joints 3-8 slightly transverse, *club* three-jointed, not as long as the rest of the funiculus, last joint about as long as the two preceding joints taken together; *eyes* small, projecting, situated considerably in front of centre of sides of head. *Thorax* finely but distinctly asperately punctured with faint raised wavy lines; *pronotum* armed with two stout sharp pointed spines projecting outwards and slightly curved upwards at apex, the raised lines continued along the spines; *mesonotum* with a narrow slightly raised ridge and a deep furrow beneath separating it from the epinotum; *epinotum* armed with two slender sharp pointed spines projecting outwards and curving slightly downwards at apex, about the same length as those of the pronotum, dorsal surface flat, declivity not abrupt, a little longer than dorsal surface; *petiole* smooth, long and narrow anteriorly, with a raised narrow scale-like ridge posterior, sinuate in middle; *post-petiole* narrow transverse, convex, with a short projecting tooth on each side and a sharp tooth projecting forwards beneath; *gaster* globose, finely asperately punctured, and with thin, close, raised longitudinal lines. *Long.* 6.7 mm.

♀. Dark brown, antennae and legs lighter, mandibles, clubs of antennae, tarsi and articulations of the legs yellowish. Erect hairs rather sparse. *Head* round, very finely asperately punctured, and with faint narrow close raised longitudinal lines; *mandibles* long, shining, finely longitudinally striate and with a few small scattered punctures and with a similar short row of larger ones near masticatory border as in the ♀, armed with a number of small denticles, two long sharp teeth at apex, and a shorter one two-thirds from base; *clypeus* transverse, convex rounded anteriorly and posteriorly, with a distinct narrow central carina; *frontal area* small, smooth, well defined; *frontal carinae* fairly long, pointed at apex, sinuate behind and then divergent; *frontal furrow* fine, short, not extending as far as the base of the frontal carinae; *antennae* not very long; *scape* extending beyond posterior border by $\frac{1}{4}$ of its length, *club* not as long as the rest of the joints of the funiculus, last joint of club equal to the two preceding taken together; *eyes* round, projecting, situated a little before centre of sides of head. *Thorax* asperately punctured, more strongly so than head; *pronotum* armed with two sharply pointed narrow divergent spines, slightly curving downwards at apex, about as long as $\frac{1}{3}$ of the thorax; *mesonotum* separated from epinotum by a narrow furrow; *epinotum* armed with two narrow sharply pointed divergent spines curving downwards at apex, about the same length as the pronotal ones, dorsal surface narrow, concave, straight, declivity abrupt, shorter than dorsal surface; *petiole* long, narrow, raised to a projecting narrow ridge, sinuate in middle, at apex; *post-petiole* broader than petiole, transverse at centre, slightly angled at sides; *gaster* round, oval, smooth and shining. *Long.* 3.7 mm.

Described from three soldiers and sixteen workers, JAPAN ISLAND : 2000 ft., x.1938 (*Miss L. E. Cheesman*), on wet rocks partly submerged in river.

♂ and ♀ types in British Museum (N.H.).

In this species the soldiers and workers are larger than any other recorded for this subgenus.