

narrow raised ridge above sinuate in centre, surface beneath crenulate; *post-petiole* very transverse, considerably broader than petiole, armed at each side with a blunt tooth, slightly directed downwards at the end; some widely separated narrow raised longitudinal ridges occur on dorsal surface, the spaces between being asperately punctured; *gaster* longitudinally striate at extreme base, enclosing a few round shallow punctures, a few much smaller scattered punctures extend a little way down the first segment, the rest of the *gaster* being smooth and shining. *Wings* wanting. *Long.* 5.5 mm.

Described from a dealated female, JAPAN ISLAND: Mt. Baduri, 1000 ft., in mossy forest, viii.1938 (*Miss L. E. Cheesman*).

Type in British Museum (N.H.).

This insect may be the ♀ of one of the described workers, but it is unlike any of the known females from these regions.

#### Crematogastrini Forel.

*Crematogaster (Rhachiocrema) paradoxa* Emery, 1894, *Ann. Soc. ent. France* 63 : 72.

Type locality: Humbolt Bay, New Guinea.

Miss Cheesman took 17 workers of this very distinct ant on logs, JAPAN ISLAND: Mt. Oude, 3500-4000 ft., x.1938.

#### Solenopsidini Forel.

##### *Vollenhovia umbilicata* sp. n.

♀. Blackish-brown, part of the anterior portion of the head, base of mandibles, scapes, base of funiculi, legs, underside of petiole, and apex of segments of *gaster* ventrally reddish; covered with longer and shorter yellow outstanding hairs.

*Head* subquadrate, slightly narrower in front than behind, posterior border slightly sinuate in centre, posterior angles rounded; *mandibles* massive, with some scattered punctures, masticatory border armed with five powerful teeth; *clypeus* bicarinate; *frontal carinae*, sides of *antennal foveae*, *cheeks*, and middle of *front* narrowly longitudinally striate; rest of head covered with raised longitudinal lines forming a network behind, and enclosing umbilicate punctures. *Thorax* long oval, narrowest at base; *pronotum* with a neck, narrow and transverse behind, shoulders rounded, separated from mesonotum by a narrow, deep, circular suture, neck finely asperately punctured, rest of sculpture similar to head, but with transverse raised ridges in centre; *mesonotum* with a narrow smooth space in centre, the rest with longitudinal raised ridges, enclosing umbilicate punctures, suture between mesonotum and scutellum very narrow, but deep; *scutellum* smooth and flat in centre, with scattered umbilicate punctures at sides; *metanotum* very narrow and transverse, smooth in centre with small punctures at sides; *epinotum* rounded, *dorsal surface* transverse, smooth in centre with a few punctures at the side, sides transversely striate, *declivity* abrupt, concave, smooth, shining, longer than dorsal surface. *Sides* of *pronotum* finely asperately punctured; of *prosternum* more strongly so; *episternite* of *mesothorax* finely longitudinally striate, with shallow scattered umbilicate punctures. *Sternite* of *mesothorax* with finely raised close longitudinal ridges asperately punctured between; *petiole* truncate, smooth and shining in front, rounded and convex above, narrowed to apex, smooth and shining in centre with a few punctures at the sides, transversely striate behind, armed beneath with a blunt, rounded, smooth projecting tooth; *post-petiole* broader than petiole, rounded and convex above, smooth and shiny on disc with scattered umbilicate punctures, transversely striate behind, armed beneath with a wedge-shaped pointed projection, asperately punctured and with some shallow umbilicate punctures. *Gaster* long oval, the