

Head in full face view shown in Fig. 29. Mandibles subopaque, finely reticulate-punctate and vestigially striolate; chewing border with 8-9 teeth, the basal ones small to indistinct. Clypeus with strongly convex anterior border, not distinctly excised in the middle; narrow antero-median portion vertical to head length, overhung by strongly prominent and bidentate posteromedian portion; teeth strongly approximated, separated from each other by a narrow, deep, semicircular marginate excision. Frontal lobes not strongly expanded laterad, scarcely rounded and scarcely constricted behind, subcontinuous with the posteriorly diverging prolongation of the frontal carinae. Post-ocular carina continuous with preocular carina, distinct in the form of a low, raised carinule. Frontal area and paired mid-frontal carinules distinct. Occiput shallowly excised between distinct carinules of vertex. Occipital lobes moderately prominent, auriculate, shorter than their maximum diameter. Supraocular tooth tubercular, blunt, without a raised carinule between its base and the infero-occipital corner of head. Eyes small. Scape in repose not surpassing apex of scrobe. Funicular segments 2-8 not longer than broad. Dorsum of head between frontal carinae with minute tubercles on frontal lobes and postero-laterally, with inconspicuous, often interrupted, longitudinal rugulae on disc. Scrobes and sides of head without coarse sculpture.

Thorax as shown in Fig. 30; finely and densely reticulate-punctate and opaque. Pronotum anteriorly and laterally marginate: with 3 tubercles, mesial one rather pointed, lateral ones blunter; antero-inferior corner acutely dentate. Mesonotum with 2 pairs of stout and low tubercles, anterior pair elongate. Mesoepinotal constriction deep in profile. Basal face of epinotum with pair of blunt longitudinal ridges, anterior end of which is tuberculate (feebly) posterior end subdentate. Femora and tibiae subprismatic. Femora with anterior border of extensor face and both borders of flexor face sharply marginate and with a low raised crest. Hind femora broadened below at basal third, with a prominent laminula projecting from posterior border, which, in side view, forms a distinct angle. Apical half of tibial borders distinctly marginate.

Petiolar node broader than long, its anterior corners in dorsal view narrowly rounded: dorsum with a pair of feeble carinules; posterior border consisting of convex, slightly prominent laminula. Postpetiole not longer than petiole, distinctly transverse, without conspicuous anterior face, anterior and posterior tuber-