

few coarse, longitudinal rugae; anterior portion of median lobe of clypeus coarsely and reticulately rugose, the posterior portion with a few short, longitudinal rugae. Frontal area virtually smooth except for the median carinula and a few fine, longitudinal rugules. Interrugal areas, except those on anterior portion of median clypeal lobe and the lateral lobes, shining. Mandibles coarsely and longitudinally rugose. Interrugal areas of mandibles and of anteriomedial portion of clypeus and its lateral lobes subopaque. All interrugal areas with piligerous punctures. Venter of head with scattered fine punctures.

Entire thorax shining; the scutum, scutellum, and basal face of epinotum very shining. Dorsoventral margins of pronotum with coarse irregular rugae. Mesothoracic sternites with fine, longitudinal rugae. Posteriodorsal portion of scutum with curved, irregular, fine to rather coarse, longitudinal rugae. Dorsomesal portion of scutellum with a few short, irregular, longitudinal rugules. Metanotum with very coarse, longitudinal rugae. Sides of epinotum and mesothorax with a few curved, fine rugae interspersed with fine scattered punctures. A few fine oblique rugae near apex of declivious face of epinotum. Entire thorax with rather sparse, fine, scattered epiligerous punctures and somewhat more numerous, large, piligerous punctures. Antennal funiculi subopaque to opaque, with piligerous punctures; scape with elongate foveaceous piligerous punctures.

Petiole in profile with a short anterior peduncle, the ventral tooth of which is blunt and poorly developed; the node with convex sides, anterior and posterior surfaces, and apex; viewed from above the node is subglobular and somewhat narrower than the postpetiole which, when viewed from above, is subtrapezoidal. Upper surface of petiolar node rather smooth and shining, with a few fine punctures and numerous coarser piligerous ones. Posteriodorsal and posteriolateral margins of petiole dull and finely granulose. Postpetiole smooth and very shining, with a few scattered fine punctures and more numerous, coarser, piligerous punctures.

Erect hairs long, numerous, rather uniformly distributed, curved, attenuated, and light yellowish gray; sparser on dorsum of scutum and scutellum; absent, or nearly so, from entire median portion of declivious face of epinotum; somewhat shorter on posterior half of gaster and occurring chiefly along posterior border of each segment. Hairs erect and suberect on antennal scapes and first four funicular segments, usually fully appressed on remaining segments and with only an occasional hair suberect. Distal portion of parameres of genitalia with abundant, stiff, coarse, pointed, curved, yellow hairs. Pubescence negligible.

Head, thorax, antennal scapes, coxae, femora, petiole, postpetiole, first gastric segment, and parameres of genitalia glossy black; remaining gastric segments, trochanters, tibiae, tarsi, and parameres of genitalia brown. Dorsum of first gastric segment with brown splotches in four of the thirteen specimens. Wings hyaline, faintly iridescent, the veins and stigma brown.

Described from a series of thirteen males taken by W. S. Creighton, on August 11, 1951, from a single nest in Garden Canyon, Huachuca Mountains, Arizona, at an elevation of 5,800 feet. One male is in the U. S. National Museum, one in the Museum of Comparative Zoology (Harvard) and the balance in the collections of W. S. Creighton and the writer.

*Female* (dealate). Length: head (excluding mandibles), 1.8 mm.; thorax, 2.7 mm.; petiole and postpetiole, 1.7 mm.; overall length, 9.2 mm.

Similar to the worker in cephalic structure, but with the longitudinal rugae extending to the occipital border and with the smooth posterior corners of the head covering a lesser area and hence appearing less shining.

Thoracic rugae slightly coarser than those of worker; numerous, parallel, longitudinal on dorsum of scutum, oblique on sides of scutum; longitudinal, but fainter and less numerous on scutellum; neck of pronotum transversely rugulose; rugae of mesothoracic sternite longitudinally rugose; rugae of episternite longitudinal, curving upward on sides of epinotum, transverse on basal and declivious faces of epinotum. Interrugal sculpture like that of worker. Petiole finely coreaceous, smooth and shining except for a few fine, irregular, transverse rugulae on posterior declivity of node and three coarser