

spines short and triangular, but sharp. Scapes reach to the occipital corners of the head. Gaster glabrous and shining. Color of entire body dark brown, legs and antennae light brown.

*Female*: Length, 5.25 mm.; head index, 1.0; head length, 1.10 mm.; thorax length, 1.58 mm.

Resembles soldier in most respects, but differs from that caste in the following ways. Body size larger, head quadrate, frontal area level with the general surface of the head (not depressed), compound eyes large and occupying a proportionately greater area on the sides of the head, vertex with three prominent ocelli, occipital lobes are not as pronounced and the furrow is shallower, scapes reach approximately half way from their insertions to the corners of the lobes, and the mandibular teeth are sharper and more distinct. Entire dorsal and lateral surfaces of the head covered with rugae which are longitudinal on the frons and genae, but curve to parallel the occipital lobes, bend centrally and become transverse on the occiput and in the furrow. Interrugal sculpture consists of fine striae, granules, and large dimples or foveae. Surface shining despite the sculpture but less so than in the soldier.

Thorax flat except where mesonotum descends abruptly to the pronotum; dorsum of pronotum, mesonotum, and metanotum shining and smooth except for piligerous punctures; propleurae and epinotal pleurae with parallel rugulose sculpture, subopaque; epinotal base rugulose, declivity smooth; epinotal spines short, conical, and half as long as their interbasal distance. Petiole and postpetiole like those of the soldier, opaque; lateral conules of the postpetiole very prominent and bluntly rounded at the tips. Gaster sharply truncate at the base, anterior margin straight. Wings transparent, stigma pale brown, one discal cell. Head and mandibles reddish brown, thorax darker, gaster dark brown, legs and antennae light brown.

*Male*: Length, 4.08 mm.; head index, 1.14; head length, 0.58 mm.; thorax length, 1.58 mm.

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EXPLANATION OF PLATE 3

*Pheidole creightoni*, a female (deälate); b. male; c. head of male. All figures are drawn to the same scale.