

♂. Length 2.9 mm., width .98 mm. Head: width .75 mm., vertex .40 mm. Rostrum, length .80 mm., extending to middle of intermediate coxae. Antennae: segment I, .22 mm.; II, .68 mm., not equal to width of head across eyes; III, missing. Pronotum: length .47 mm., width at base .86 mm.; calli more convex, also more depressed between and along front margins of calli than in *picta*.

Dorsum clothed with finer, fuscous pubescence than in *picta*. Black, opaque, surface covered with a dull bluish-gray bloom; pronotum with basal angles and posterior one-third of propleura pale, embolium and outer half of cuneus white. Front femora with a prominent spur at base on ventral surface much as in *picta*, but the right genital clasper is distinctly more slender.

♀. Length 2.8 mm., width 1 mm. Head: width .75 mm., vertex .44 mm. Rostrum reaching to near posterior margins of intermediate coxae. Antennae: segment I, length .19 mm.; II, .62 mm.; III, .53 mm.; IV, .29 mm. Pronotum: length .48 mm., width at base .93 mm. Coloration and pubescence very similar to the male.

Holotype: ♂ July 20-25, 1920, Yellowstone National Park, Wyoming (A. A. Nichol); author's collection.

Allotype: July 1927, Kaibab Forest, rim Grand Canyon, Utah (Vasco M. Tanner).

Paratypes: ♀, taken with the allotype. 4 ♀ Aug. 25, 1926, Kaibab Point, Arizona (A. A. Nichol). ♀, Orderville, Utah (Vasco M. Tanner).

***Hadronema simplex* new species.**

Suggestive of a small form of *militaris* Uhler, but the male genital segment not cleft while the claspers are more like those of *picta* Uhler; antennal segment III not equal to width of head.

♂. Length 3.2 mm., width 1.1 mm. Head: width .81 mm., vertex .45 mm. Rostrum, length .90 mm., reaching between middle coxae. Antennae: segment I, length .26 mm.; II, .89 mm., nearly equal to thickness of segment I, but more slender near base; III, .78 mm.; IV, .44 mm. Pronotum: length .53 mm., width at base .92 mm.; calli less prominent than in *militaris*, disk depressed about their margins.

Dorsum clothed with longer but more sparsely set black hairs than in *militaris*. Coloration very similar to *militaris*; black, posterior half of propleura and more or less on basal angles of disk, reddish or orange colored; embolium, outer basal half of corium, and cuneus except inner margin, white. Front femora with a single strongly developed tuberculate spine on ventral side at base, with a curved claw-like tip and beneath this a smaller curved spine, outer surface of tubercle set with three or four strong bristles. Front tarsus with basal segment strongly dilated, concave beneath, which is also true of the male *militaris*. Genital segment not cleft at base of left clasper which feature is distinctive of *militaris*; claspers slender and only slightly different from those of *picta*.

♀. Length 3.8 mm., width 1.35 mm. Head: width .89 mm., vertex .52 mm. Antennae: segment I, length .27 mm.; II, .95 mm.; III, .78 mm.; IV, .44 mm. Pronotum: length .65 mm., width at base 1.12 mm. More robust than the male but very similar in pubescence and coloration.

Holotype: ♂ August 8, 1927, Yellowstone National Park, Wyoming (H. H. Knight); author's collection.