

cuneus, embolium, and lateral margins of corium, red like the lateral margins of pronotal disk.

Holotype: Male, 1 July, 1919, Berrien County, Mich. (Hubbel and Hussey); author's collection. Paratypes: NEW HAMPSHIRE—Male, 12 Aug., 1922, Contoocook. NEW YORK—Male, 24 June, 1917, Fort Montgomery (F. M. Schott). PENNSYLVANIA—Male, 20 Aug., 1909, Greely, Pike County, alt. 2300 ft. (Einer Olsen).

P. fraternus var. **regalis** Knight, new variety.

Male: Length 8.7 mm., width 3.4 mm. Head: Width 1.57 mm., vertex .86 mm.; red, eyes black. Rostrum, length 2.9 mm., nearly attaining hind margins of posterior coxae, brownish black.

Antennae: Segment i, length .83 mm., clothed with erect pilose hairs, length of certain hairs equal to thickness of segment; ii 3.09 mm., pubescent, a few hairs near base equal to thickness of segment; iii, 1.69 mm.; iv, 1.23 mm.

Pronotum: Length 1.71 mm., width at base 2.6 mm., collar 1.28 mm.; uniformly bright red, pale pubescent, surface very finely granulate. Scutellum bright red like the pronotal disk; sternum and pleura bright red.

Hemelytra: Surface finely rugulose granulate, opaque; black, embolium, outer half of cuneus, and outer margin of corium, pale to light red.

Legs: Brownish black, coxae red; tibiae thickly clothed with long pilose hairs, spines not evident.

Venter: Bright red, pale pubescent; genital segment with prominent tubercle at base of left clasper, and a smaller one at base of right clasper. Slight differences may be noted between this form and the typical *fraternus* but until more material is studied, and better structural characters are found, it is perhaps better to use a varietal name.

Female: Length 9.5 mm., width 3.6 mm.; more robust than the male but very similar in coloration.

Holotype. Male, 5 May, 1918, Gainesville, Fla. (C. J. Drake); author's collection. Allotype: 30 May, 1918, type locality (C. J. Drake). Paratypes: DISTRICT OF COLUMBIA.—Female, 4 May, 1884, Washington (O. Heidemann). FLORIDA—Female, 5 May, 1918, female, 7 July, 1918, Gainesville (C. J. Drake). NEW JERSEY—Female, 27 June, 1908, Malaga (Wm. T. Davis). VIRGINIA—Female, 21 June, 1914, Nelson County (W. Robinson). Female and nymph, 19 June, 1906, "Va." (D. H. Clemons). NORTH CAROLINA—Male, 19 May, Male, 24 May, 1919, Southern Pines (A. H. Maney).

P. fraternus var. **discifer** Knight, new variety.

Similar to *regalis* but the pronotal disk, except lateral margins and calli, black; between calli, and the dorsal area of collar, sometimes black, calli always red.

Holotype: Female, 6 May, 1912, Lakeland, Fla. (Wm. T. Davis); author's collection. Paratypes: FLORIDA—Females (2), 5 May, 1918, Gainesville (C. J. Drake). MARYLAND—Female, 26 June, 1882, Blandensburg (O. Heidemann). Female, 26 June, 1911, Cabin John Bridge (Wm. T. Davis).