

- than one-half of 1, 2 as long as 3 and 4 together; posterior femora with a row of bristles on the side. . . . . C.
- C. Head combs of 6 to 9 spines, pronotal comb of 14 to 18 spines; in anterior tarsi joint 3 about equals 1; in middle tarsi 2 equals 5 or less; in posterior tarsi 1 as long as 2 and 3 together, and 2 less than 4 and 5 together; apical spines on joint 2 of hind tarsi as long or longer than joint 3; male claspers oval, the broad portion pointing up and back, thickly finely haired around the upper end; colour, dark brown above, lighter below; length: female, 2.5-3 mm.; male, 1.5-2 mm. . . . . *serraticeps*.
- CC. Head combs of 2 to 3 spines, pronotal comb of 6 spines; in anterior tarsi joint 3 longer than 1; in middle tarsi joint 2 one-fifth longer than 5; in posterior tarsi 1 about one-third longer than 2, 2 one-fourth longer than 5; apical spine on joint 2 of hind tarsi longer than joints 3 and 4 together; male claspers inverted shoe-shaped, the toe pointing backward, moderately hairy above; colour, dark brown; length: female, 3 mm.; male, 2.5 mm. . . . . *erinacei*.
- D. Maxillary palpi with joint 2 as long as 3 and 4 together, and 3 three-fourths of 4; head obtusely angled in front above; eye large, at the middle, and nearer the upper than the lower edge; antennæ in posterior half of head; bristles on joint 2 as long as joint 3; labial palpi 4-jointed; mandibles reaching to end of anterior trochanters; pronotal comb of 16 spines; in anterior tarsi joint 3 three-fourths of 2, 4 shorter than 3, 5 as long as 2, 3 and 4 together; in middle tarsi 3 slightly longer than 4, 1 much longer; apical spine on second joint of posterior tarsi longer than joints 3 and 4 together; dorsal rows of bristles on abdominal segments with 5 to 8 bristles on either side, ventral with 2 to 4 on either side; male claspers as in *erinacei*, except not so rounded, and very thickly hairy above; colour, dark brown; length: female, 1.75-2.25 mm.; male, 1.5 mm. . . . . *inaequalis*, n. sp.
- DD. Maxillary palpi with joints of equal length; head sharply angled in front above; eye moderate, in anterior half of head, and about equally distant from upper and lower edges; mandibles reaching to two-thirds of anterior coxæ; pronotal comb of 12 spines; in anterior tarsi joint 5 nearly as long as 2, 3 and 4 together; in middle tarsi 3 as long as 4, 1 a little longer; male claspers narrow, curved backward, thickly haired above; colour, yellowish-brown; length, 2 mm. . . . . *goniocephalus*.
- Pulex gigas*, Kirby.

1837. Kirby, Faun. Boreali-Amer. IV., p. 318, pl. 6, fig. 9 (*P. gigas*).

I have referred to this species, specimens taken on cotton-tail rabbit at Lansing, Michigan. The spines on the cheeks are easily overlooked,