

different in shape. The finger bears three long bristles, one standing at the ventral corner and two above it; they are broken in our only specimen. The ninth sternite (IX st.) is also very different from that of *Ct. selenis*, being much broader. It bears three bristles at the ventral edge, and many small hairs, as shown in the figure.

Length, 2 mm.

We have one ♂ taken off *Mustela* sp. at Blackfalds, Alberta, Canada, on the 10th Jan., 1901, by Mr. A. D. Gregson.

NOTES ON THE YOUNG LARVÆ OF SOME SPECIES OF PULVINARIA.

BY GEORGE B. KING, LAWRENCE, MASS.

Shortly before the destruction of my laboratory in 1903, I began to study some of the young females of several species of *Coccide*, for the purpose of determining if there were any constant structural characters present that would enable one to identify the adult female scale, and if there were any characters that could be used to separate closely-allied forms, also what characters could be used in the classification of the several genera. In the following species of *Pulvinaria* all are light yellow in colour, elongate oval; the marginal hairs are alike, the anal lobes do not project beyond their body; six bristles to the anal ring, and six jointed antennæ, all very much alike, the first usually short, with the third and sixth longest. The larvæ studied were dead, dry examples, hatched in confinement, and may have been in some instances of a different colour than yellow, but turned so after long standing.

Pulvinaria Tinsleyi, King, 1900.—Unfortunately, but one poor example was found. The antennæ showed 6 joints: (1) 16, (2) 16, (3) 32, (4) 16, (5) 20, (6) 40.

Pulvinaria occidentalis, Ckll., 1894.—Boiled in potash, very dark brown, internal juice removed colourless, 460 long, 270 broad. Legs: coxa 36, femur + trochanter 64, tibia 52, tarsus 40, rostral loop stout, 160 long; bristles of the anal ring 40 long. Anal lobes with one long bristle and two short simple spines 12 long. Antennal joints: (1) 20, (2) 16, (3) 36, (4) 20, (5) 24, (6) 28; the hairs on the several joints are quite long.

Pulvinaria Cockerelli, King, 1899.—Length, 136; breadth, 200. Antennal joints: (1) 20, (2) 12, (3) 32, (4) 16, (5) 20, (6) 32. Leg:

October, 1906.