

The material in the University collection contains numerous specimens that must be *C. derivatum*, but it is only by a process of elimination that this conclusion can be reached. As Mr. Snow states of other specimens: "They seem to belong here, however, better than elsewhere." These specimens were taken in extreme North-western Nebraska, and in the Big Horn Mountains, in Wyoming. They exhibit all the variations in the markings of the abdomen that Snow has mentioned (Kans. Uni. Quart. Vol. I., 35). Besides these, there are three specimens of both sexes—two taken at Lincoln and one at Harvard, Nebraska—that differ as follows: The anterior margin of the wings is only very lightly tinged with yellow, whereas in the others they are always very distinctly so; the abdomen is covered with erect, light-coloured pile, while in the mountain specimens it is provided with only very short black hairs; the median stripes of the thorax are very distinct, while in the others they are obsolete or entirely wanting; the four anterior femora are entirely yellow, while in the others there is a distinct black spot near the base. From this I conclude that these specimens are of a different species, which I am quite certain is *pubescens*, Loew, although the only differences in the descriptions of these two species are that in one there are distinct dorsal vittæ and the wings are tinged with brown anteriorly, while in the other these points are not mentioned, and hence, may or may not be present. But from a study of this material, part of which must be *derivatum*, I am certain that *pubescens* and *derivatum* are both good species, and should stand, no matter how many of the other species of this genus must fall. I am thus enabled to give the following amended descriptions of the two species.

*C. derivatum*, Walker.

Second joint of antennæ one-fourth to one-half as long as third, sometimes shorter than the first; arista yellowish. Thorax with the median vittæ at all discernable only in the female. Abdomen everywhere covered with short sparse black hairs. First segment black, second lateral margin black, except sometimes the posterior corners, the yellow band is very distinctly interrupted, the two parts arcuate and often expanded medially, posterior margin black. Band of third segment more equal in width than first, interrupted or entire, not always reaching the lateral borders, which are mostly black; entire posterior margin expanded in the middle, yellow. The black markings of the fourth segment vary from an anterior uninterrupted band, expanded to include most of the