

circular sensoria in a row and usually on basal two-thirds or three-fourths; segments V and base of VI with the usual distal sensoria. Eyes blood red, ocelli brownish. Beak reaching nearly to coxæ of second pair of legs. Thoracic plate yellow or orange yellow. Wings large, with narrow but prominent dark brownish veins, the venation as shown in illustration. Legs with basal half of femora pale green and the distal half becoming dusky to blackish, tibiae pale brownish with black tips, and tarsi black; hind tibia rather long, being nearly one-half longer than the middle tibia. Abdomen pale green, with a moderately narrow median longitudinal dorsal line of a darker green extending to length of the abdomen; the reddish eyes of the unhatched young often showing through the body wall. Cornicles pale transparent green at basal half, becoming dusky to blackish at the distal end; reaching beyond tip of cauda; cylindrical and rather narrow; the tip distinctly reticulated. Cauda concolorous with abdomen, ensiform.

Measurements of living individuals and specimens in balsam, as follows: Length of body, not including cauda, 2.36–3.56 mm., average 2.72 mm.; length to tip of cauda 2.71–3.83 mm.; average 3.21 mm.; width of body 0.85 to 1.47 mm., average 1.02 mm.; length of wing, average 4.84 mm.; width, average, 1.66 mm.; cornicle, average, 1.75 mm.; cauda, average, 0.46 mm.

Antennal measurements as follows:

Locality, date, etc	ANTENNAL SEGMENT NO. 1m							Total
	I.	II.	III.	IV.	V.	VI. (base)	VII. (fil't)	
Lovelock, Nevada, May 22, 1911, C. W. Creel.....	mm. 0.174	mm. 0.097	mm. 1.084	mm. 0.871	mm. 0.774	mm. 0.193	mm. 1.161	mm. 4.354
Lovelock, Nevada, May 22, 1911, C. W. Creel.....	.174	.116	1.045	.890	.793	.232		
La Fayette, Ind. (Utah material), Nov. 6, 1912....	.174	.097	1.239	1.122	...			
La Fayette, Ind. (Utah material), Nov. 6, 1912....			1.200	1.103	.832	.213	1.355	
La Fayette, Ind. (Utah material), Nov. 7, 1912....	.155	.097	1.142	1.006	.832	.232	1.374	4.838