

## Second Nymphal Instar.

Form as in the first stage, perhaps a little less broad in proportion to the length. Rostrum as before, except that it is perhaps a little less stout. Antennae still blunt, short and stout, but not so club-shaped. They now begin to show two equal joints. The legs as before, the first pair not quite so broad proportionally, with the blunt apical femoral tooth beginning to show as an undulation in the inner side of the femur. The tibiae of the second and third pair are better provided with spines, which increase in number distally. The terminal combs very apparent.

Size: Long., 13 mm.; lat. not measured, dimensions being taken from moulted skins.

Air-tube, 2.7 mm.

The survivor came to the second moult in nine days, the other two in six. These died on the 21st, due to their being carried about in water.

## Third Nymphal Instar.

Form, not greatly changed from the preceding instars, except for slight variations in proportions.

Rostrum, much as before, but a little slimmer. In this instar the tactile hairs at the extremity of the proboscis are quite noticeable.

Antennae appear imperfectly three-jointed in this instar. The suture separating the basal joint is quite noticeable, and that between the second and third joints shows as an incision in the outer margin of the antennae, from which a little impressed line goes about half way across. Below and above this indentation are two prominences, the beginning of the lobes of the segments. Both prominences are armed with a stout spine, that of the third joint being about twice as thick as that of the second. The third joint appears to be pitted at the rounded end.

Thorax much narrower, distinctly trisegmentate. Head closer to the adult shape, the eyes flattened on the inner side, and quite prominent. The wing-pads first appear in this instar, though very small and rudimentary.

Legs and tarsi as before, with the spines of the second and third pair of tibiae stronger, and the tibial comb more developed. In this instar the fringing hairs of the second and third pair appear, scattered on the femora and sparse on the tibiae, but quite long.

The false stigmata are quite noticeable at the sides of the abdomen, as darkened spots in the integument. The legs are now shorter than the