

ments corresponding to the pale segments of the previous stages and a whitish subspiracular line as before; tubercles large, black, prominently white-ringed; spiracle ringed with white. On the first four segments the dorsal hairs are red-brown paling to white laterally, the red-brown colour occasionally extending over to abdominal segments II and III, on the other segments all the hairs are white with the exception of a few black hairs on the 8th abdominal segment which is markedly humped; several long white hairs arise from the lateral tubercles, these being pointed forwards on the anterior segments and backwards on the anal segments. Length 12 mm.

*Stage V.*—Head black. Body velvety black; all trace of the orange subdorsal stripe is lost and the white subspiracular line and rings round the tubercles greatly reduced, when present the former being orange-tinged. Hairs whitish-yellow except on the meso- and metathoracic and 1st abdominal segments where the whole area above the spiracle shows red-brown hairs which often extend dorsally on to the 2nd and 3rd abdominal segments; occasionally similar hairs are found dorsally on the 8th abdominal segment which scarcely ever shows any black setae as in previous stage; the tubercles from which these reddish hairs arise are slightly tinged with red-brown and the other tubercles are mostly black occasionally tinged with whitish. Spiracle white.

Width of head 1.8 mm. Length 18 mm.

*Stage VI* (full grown).—Very much as in preceding stage, quite variable in coloration. Head black. Body velvety black with white spiracles and with reddish subspiracular line either slightly present or entirely lacking or confined to the base of tubercle V. Hairs ranging in colour from pure white to yellowish, the dorsal hairs being usually rather stunted and crinkly; red-brown hairing as in preceding stage on the anterior segments except prothorax and extending dorsally to 2nd and 3rd abdominal segments and frequently with similar hairs dorsally on 8th and 9th abdominal segments; the tubercles bearing the red-brown hairs are usually themselves similarly coloured, whilst the others may be black shaded with white or entirely white and frequently the lateral abdominal ones are entirely black. Length 25-30 mm.

Mailed August 14, 1915.