

Seventh stage.—Head black, reddish at vertex ; width, 2.5 mm. Body as before, but the central lateral warts are brownish. Subventral hair scarcely paler.

Eighth stage.—Black, the warts brown ; hair largely black, but still partly foxy-red. Abdominal feet dull crimson ; spiracles reddish. Width of head, 3.4 mm.

Ninth stage.—Hair all black, body sooty black, warts light-brown, spiracles white. Thoracic feet black, abdominal ones dull crimson. Head black, labrum and antennæ pale ; width, 4.5 mm. When full fed the larva hybernated until the following June. It then spun a large transparent double cocoon of soft silk, mixed with a few hairs, and the moth emerged in July.

Arachnis suffusa, Schaus.

Egg.—Nearly spherical, but with flattened base, somewhat conoidal ; diameter, .6 mm. Colour fleshy yellowish with a pearly-bluish lustre. Magnified 50 diameters the surface is covered with large shallow pits with ill-defined edges, not sharp enough to form reticulations.

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Second (?) stage.—Head very pale yellowish, shining ; the cluster of large ocelli black, mouth brown, a blackish shade at vertex ; width, .6 mm. Warts quite large, but concolorous and inconspicuous, the hair bearing tubercles only black. Colour pale greenish-yellow, with a faint white dorsal line. Cervical shield small, lens-shaped, brownish. Warts ii. and iii. on joints 3, 4 and 12 tinged with dark orange. Hair fine, not abundant, brownish.

Third stage.—As before ; width of head, 1 mm. Traces of a black subdorsal line. Hair more abundant, mostly short, white, but mixed with a few very long hairs, some of which are black. Feet colourless.

Fourth stage.—Head bilobed, brownish-yellow, ocelli black, mouth brownish, jaws black ; width, 1.45 mm. Body rather sordid green, the thoracic segments, and an area around wart iii. on joint 12, shaded with orange ; feet and venter whitish. A narrow, defined, white dorsal, lateral and substigmatal line, the lateral shaded above and below with black dottings, and enclosing the warts of row iii. Warts large, concolorous, the hair granules black. Hair long, stiff and straight, but fine, spinulose, white and black intermixed. Some hairs 8 mm. long. Length of larva, 15 mm. Line of tracheæ evident.