

of traces of maxillary palpi ; but I can only find with difficulty a slight trace of the maxillary palpi. This would make it almost a true obtect pupa, which is far removed from the Cossidæ.

The following descriptions contain some details not specially mentioned in Miss Murtfeldt's article :

*Larva*.—Head rounded, flattened, small, partly retracted ; clypeal sutures depressed, upper segment of labium forming a ridge ; dark brown, blackish on the narrow lateral angle ; width, 1.3 mm. Body segments distinct, creased several times in the incisures but not distinctly annulated, joint 13 divided. Cervical shield large, bisected, irregularly marked in black. Setæ distinct, from rather large, flat dark tubercles ; i. and ii. in trapezoidal form, iii. lateral, iv. and v. from a single substigmatal tubercle, vi. posteriorly, vii. above the base of the leg with three setæ, viii. single ; a small secondary tubercle with one little seta before the upper part of the spiracle. On the thorax normal, the setæ of i. and ii. united in pairs, iv. and v. united, vi. with one seta on joints 3 and 4. Thoracic feet well developed, armed with setæ and claw. Abdominal feet distinct, rather slender ; crotchets in a narrow ellipse, broken on the outer side, a single row, but doubly clawed, a slight hook on the outside as well as the more distinct one on the inside, both small.

*Pupa*.—Smooth, obtect, thickest through the second abdominal segment, slightly tapering each way, rounded, the head a little projecting. Anal end rounded, cremaster without projection, but with four rather long, stout, recurved hooks. Fifth and sixth abdominal segments moveable. Cases reaching to the end of the fourth segment ; eye covered by a single piece, separated below by the small, lanceolate labium ; maxillæ reaching about one-third the length of the cases, a small piece indistinctly segmented off at the base next to the labium ; first leg reaching two-thirds the length of the cases, enclosing a small elliptical piece of its basal part next to the maxilla ; second leg reaching to the tip of the cases, apparently touching the eye, but on careful focusing a small piece seems to be cut off at the base, which I take to represent the maxillary palpus ; antennæ not attaining the extremity of either the second legs or the wing cases ; third legs concealed. The spiracle on the first segment is concealed by a projection of the hind wing case which extends to segment 3. Light yellowish-brown, all the sutures narrowly and distinctly marked in dark brown. Smooth, shining, no distinct punctures or wrinkles of any kind. Length, 6.5 mm. ; width, 2.5 mm.