

Length 0.85 in. ; head larger in proportion to body than before, not so strongly bilobed, rather flattened in front, deep black, with a few short hairs ; palpi dull reddish tipped with black.

Body above distinctly annulated, of a deep velvety black color, with tubercles as before, hairs much longer, chiefly black, those on hinder segments longer than the others, with a few whitish ones mixed with them. Along each side of body, close to under surface, is a row of tufts of reddish-orange hair.

Under surface dark brown, with a row of tubercles on 5th, 6th, 11th and 12th segments, with short tufts of reddish-orange hair ; feet black, with pale streaks ; prolegs reddish-orange.

From the 20th May to the middle of June the larva made very little growth, and about the latter date began to contract previous to entering the pupa state. On the 20th of June I observed that it was spinning a light web, and about to undergo its change when another description was taken :

Length 0.80 in. ; head medium size, black and shining.

Body above pale brown, with dull black tubercles and spreading tufts of black hairs ; a dorsal stripe pale, dull, whitish pink.

Under surface dirty brownish white ; hairs on tubercles on 5th, 6th, 11th and 12th segments short, blackish ; feet blackish brown ; prolegs pale brown and hairy.

On the 22nd of June it changed to a dark brown chrysalis, producing the imago July 6th, which proved to be a female.

ARCTIA BIMACULATA, n. sp.—Expands one inch ; palpi reddish ; head, antennæ and thorax reddish brown ; abdomen stout, dull red with a faint broken dorsal line ; body below, brownish red ; feet of a little darker shade.

Primaries above *dull reddish brown, with a round white spot within the middle* and just below the median vein.

Secondaries dull red, with a black spot about the middle, and a *wide, irregular band along the hind margin*, extending from the anal angle to near the tip, where there is a small black dot. The hinder part of this band lies close to the hind margin ; beyond, it is slightly advanced, having a streak of red between it and the edge ; margin edged with a blackish line, fringe reddish.

Under surface of both wings red, of a little brighter shade than secondaries above.

Primaries have a blackish irregular bar across the end of the discal cell and extending a little way above it, nearer the tip is a brown dot. The white spot above is scarcely produced below, being red, a little fainter than general color.

Secondaries have the same markings as above, the central spot is a little larger and the marginal band narrower, not extending to the hinder edge of wing.