

side, and of the wing cases, blackish-brown, as is also the process; abdomen light-buff with a pink tint, mottled with olive-green, less so on the dorsal side; the end segments dark-brown; dorsal side of head-case and the mesonotum pale brown, the head-case obscurely silvered. I got but one pupa, and that died before imago, and of this Mrs. Peart made a coloured drawing. Only one larva went through all the stages, the others, after second moult, made cases, just as the allied species do, and I have them here, out in the weather, under a net to protect them from birds. The larvæ hatched 28th August; passed first moult 1st September, second moult 4th; one passes fourth moult 13th Sept., pupates 18th.\*

#### 4. *Argynnis Epithore*, Boisd.

This small species belongs to Group II. of my Catalogue, 1884, and its nearest ally on this continent is *A. Bellona*, Fabr. It flies in the Pacific States and to and through the Rockies. On 7th July, 1890, I received several eggs from Mr. Kœbele at Spokane, Washn., and they were hatching on arrival. The larvæ passed first moult on 11th July; second, 15th; third on 19th, and within two days thereafter all except one became lethargic after third moult, and before 27th July. The one passed its fourth 7th August, and was sent to Professor Riley for a drawing. It pupated while in his care, but I have not the date. The imago came out at Washington. Excellent coloured drawings were made of the adult larva and pupa. I attempted to carry the hibernating larvæ through the winter at Coalburgh, but they one by one died, the last about middle of February. The food plant was violet. The larva at birth resembled closely those of *Bellona* and *Freya* (which last I had feeding at same time), the segments 5, 7, 9, 11 being brown, as in those species, while the rest of the body was pale green. After first moult, length .14 inch; colour greenish-brown over upper part, greenish beneath; the spines short, stout, tapering, black; those on 2 no longer than in following segments.

At second moult, .24 inch; colour of dorsum black, with a pair of mid-dorsal gray lines; the sides mottled dull white and green; along base a narrow sordid white stripe from end to end; all the spines black, but in the dorsal rows, at bases of 2, 6, 8, 10, on outside, tubercle is pale, obscurely whitish.

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\* I am able to say, on revising these proofs, that I got two of the larvæ through he winter. One has passed two moults since waking up, the other still sleeps.