

sides. Usually these last have a confluent, instead of macular, yellow band, along the side, and the spines are always light, whitish, or yellow-white, with or without red at base. So the head is brown instead of black in these green examples, and many of the spines on head are white.

But English authors describe the larva of *Atalanta* as considerably unlike the foregoing.

Mr. Stainton, Manual Brit. But., 1857, gives it as "yellowish-gray, with a pale yellow lateral line," and says nothing of any other color.

Westwood & Humphreys, in Brit. But., p. 55, say: "The caterpillar is of a dusky green color with a yellowish dorsal line and also a pale line on each side above the feet."

Mr. Edwin Birchall, in Ent. Mo. Mag., vol. 13, p. 210, 1877, writing from the Isle of Man, says that the butterfly is very common there and almost everywhere in the British Islands, and that in the Isle of Man the larvæ had swarmed in every lane, in 1876; and goes on to say: "The larva varies in color remarkably, but may generally (perhaps always) be classed under one or other of the following descriptions, and yet the color of some of them is so far intermediate that the variation can scarcely be called simply dimorphic.

"1. Ground color gray-green, varying to dingy white, the lateral stripe not very distinctly marked. *This is, I think, the typical form, and the only one that I have seen in England.*

"2. Ground color intensely black, the lateral stripe white or yellow."

Now it is a noticeable fact that my larvæ at Coalburgh were nearly all black in last stage, the lateral stripe usually macular, and greenish-yellow. A few examples were yellow-green instead of black, about 5 per cent. of the whole, and in these the lateral stripe was more continuous than in the black ones, and about 5 per cent. were mottled black and yellow. Here were three distinct types of larva. I have noticed the same thing in larvæ of previous years here, but how it is in other parts of the United States I do not personally know. Dr. Harris says: "The full grown ones are generally of a brown color more or less dotted with white." Mr. Birchall says the British type is gray-green varying to dingy white. This last color I have never met with, and the other authors quoted lead me to believe that the usual color is gray-green, or yellow-gray, or dusky green, but not black. Whereas so far as I know, the American type is black, and the gray-green or yellow are the exceptions.

Mr. Newman also says that the females of *Atalanta* have a small round