

segment bordered by an angular band resembling the letter V, of a purplish-brown color.

When mature the caterpillar proceeds to spin its cocoon within an enclosure usually made by drawing together some of the leaves of the tree it has fed upon, some of which are firmly fastened to the exterior of the structure. The cocoon, fig. 5, is a tough pod-like structure, nearly oval in form and of a brownish-white color, and within it the larva changes to an oval chrysalis of a chestnut brown color, represented in fig. 6.



Fig. 5.

Usually the cocoons drop to the ground with the fall of the leaves, and in this state the insect passes the winter.

Late in May or early in June the prisoner bursts its prison house, when there is revealed a large and most beautiful moth, the male of which is well shown in fig. 8, p. 44, the female in fig. 9, p. 45. The antennæ are feathered in both sexes, but more widely so in the male than in the female. The wings, which measure when expanded from five to six inches across, are of a rich buff or ochre yellow color, sometimes inclining to pale grey or cream color, and sometimes assuming a deeper, almost brown color. Towards the base of the wings they are crossed by an irregular pale white band, margined with red; towards the outer margin is a stripe of pale purplish white, bordered within by one of deep, rich brown. Near the middle of each wing is a transparent eye-like spot, with a slender line across the centre; those on the front wings are largest, nearly round, margined with yellow, and edged outside with black. On the hinder wings the spots are more eye-like in shape, are margined with yellow, with a line of black edged with blue above, and the whole set in a large oval patch of rich brownish-black, the widest portion of the patch being above the eye-spot, where also it is sprinkled with bluish atoms. The front edge of the fore wings is grey.



Fig. 6.

This lovely creature flies only at night, and when on the wing is of such a size that it is often mistaken in the dusk for a bat. Within a few