

The under surface was similar in color to the upper. I was not able to detect any trace of feet, although a careful examination was made with a lens.

No further observations on these larvae were made until May 2, when I expected to find them in the chrysalis state, but was surprised to find in the several cells I opened that no pupal enclosure was to be seen, but that the head, antennae and legs were fully developed, while the wings and wing cases were only partially so. The wing cases, which covered the membranous wings, were not more than one-eighth of an inch long, and projected out over the sides, spreading almost free from the body. At their base they were yellowish and semi-transparent, while from about the middle to the base they were black and covered with the usual small granulations. The scutellum was indicated by a short black streak widening anteriorly, while behind this the body was of a dirty yellow color and soft, flabby consistence. This color and consistence prevailed below also, behind the base of the legs, while about and anterior to them the color was black. The insect could move its legs, but was very sluggish and did not seem disposed to move at all unless disturbed; at this stage it was incapable of walking. Several of the chambers, which had been opened with care, were closed and tied up with their occupants in them; these were examined again on the 9th of May, when the abdomen was found to have decreased in size and become uniformly dark, almost black below, with the surface roughened, but still yellow at the tip. Above there was a large black patch behind the scutellum, covering nearly one-third of the body, and another large black spot near the tip, covering the 10th and 11th segments, while the interspace between these two segments was of a dark greenish hue; the elytra had lengthened so far as to cover about two-thirds of the abdomen. The beetle was more active now, and able to walk, although with difficulty.

On the 16th of May the wing cases of one were found of full length, but not fully expanded so as to cover the body, while in another case they were fully developed. The twigs containing these insects had been allowed to remain in a dry room without any means being taken to keep them moist, hence they had become quite dry and brittle. On the 24th of May a fresh bundle of twigs was received from Mr. Bucke, and in these, while the greater number appeared to have been eaten by woodpeckers, some five or six specimens were found in a state of chrysalis one cell was occupied by the pupa of some parasite.