

there are slight black stipplings on other parts of the back. When provided with dried leaves, the larvæ drew them together, forming a very thin cocoon.

CHRYsalis.—Length 28 mil. ; length of wing cases, 16 mil. ; depth of thorax, 8 mil. General shape as far as the ends of the wing cases, cylindrical, rounded anteriorly and somewhat constricted dorsally at the juncture of the thorax and abdomen. Remainder of the pupa conical, the extremity provided with eight hooks, the longest pair curving outwardly, the next longest pair the same, while the two short pairs at the base curve inwardly. On each of the two segments, posterior to the ends of the wing cases, is a pair of ventral protuberances, which appear to be the rudiments of the posterior pro-legs of the larva. The stigmata are plainly indicated and the abdomen is provided with a few black hairs. Immediately after pupation the color is bright green, which, however, soon changes to a purplish brown, dusted with a whitish bloom. Duration of this period twenty-five days.

It is probable that in their natural state the mature larvæ and pupæ attain somewhat larger proportions than those described above, as the moths which were bred expanded only from 65 to 68 mil., while the parent moth from which the eggs were obtained expanded 80 mil. On the emergence of the larvæ they were offered leaves of white birch, which, however, they did not take to very readily. These were afterwards changed for willow, at the suggestion of Prof. G. H. French, to whom the writer is much indebted for his kindly interest and valuable instruction in this department of entomological research. Upon this food-plant the larvæ appeared to thrive, and some ten examples of the imagines were obtained.

---

The Society's Collection of Insects sent to the Colonial and Indian Exhibition in London, in 1886, came back in safety, with the exception of two cases, which were somewhat damaged. We are anxious to replace the following species, specimens of which will be thankfully acknowledged, if sent to MR. E. BAYNES REED, London, Ont. :—*Parnassius smintheus*, var. *Hermodur* ; *Pieris protodice*, *oleracea*, *vernalis*, *virginiensis*, *frigida rapæ* ; *Colias cæsonia*, *eurytheme*, *philodice* ; *Terias lisa*, *nicippe* ; *Ercbu odora* ; *Zale horrida* ; *Homoptera edusa*, *Saundersii*, *lunata*, *calycan thata*, *albofasciata*, *lunifera*, *benesignata*, *duplicata* ; *Ypsia undularis*.