

upper side turns dead white, except that here and there a faint bit of red or dusky black is seen. When the skin splits it is on 3, the rent extending to 2 and 4, and it is shifted off just as in *Grapta*. At first the pupa is unformed, but the wing cases creep up one segment, the dorsum becomes hunched, and the head case and mesonotum swell out as in *Limenitis*. Every one of these chrysalids finally took a twist to one side, bending on the last segments instead of hanging straight down, as is usual with the species of *Nymphalidæ* known to me.

The curious differences in color of the chrysalids I have noted in the description. Later in the season by four months, I received about forty chrysalids from Prof. Gibbs, from S. Carolina, which varied in same manner as the Texan examples, but the dark varieties much predominated.

On two occasions single examples of *Vanillæ* have been taken here at Coalburgh, but it cannot be a permanent resident. It abounds in the Southern States, where brood after brood must follow from early in the season till late in the fall. Fortunately it seems in the larval state to feed on nothing but *Passiflora*, or it might become a pest.

Abbot figured this species in *Insects of Georgia*, with larva and chrysalis. The larval body bears considerable resemblance to nature, but the spines look like feathers; they are red, moreover, instead of black. The shape of the chrysalis is good, but the color is not like any which I have seen, being dark brown instead of black.

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## FUNGOID DISEASES OF INSECTS:—A RECLAMATION.

BY JOHN L. LECONTE, PHILADELPHIA, PA.

The following extract is from the *American Entomologist*, vol. iii., p. 138 (June, 1880):

“ . . . in which article, by the way, may be found the first suggestion that we are aware of in this country, of the practical utilization of fungus diseases, so that Walsh really anticipated LeConte in this suggestion.”

The article of the late B. D. Walsh referred to (*Practical Entomologist*, ii., p. 116, Aug., 1867) contains this passage in reference to a gigantic