

**RED-HUMPED APPLE-TREE CATERPILLAR.**

(*Schinia concinna*).

A singular sluggish caterpillar, the skin bearing short, erect, blunt, black spines, those on the three body divisions immediately following the head being the longest. The adult is an obscurely colored brown moth, not often seen.

The eggs are placed on the leaves in a cluster, and the young worms devour the foliage very completely in the neighborhood before attaining their growth and leaving the trees for pupation. They have only been observed by me late in the season. A single larva was taken from a young tree at Lexington, October 15, 1904, the ragged condition of the foliage showing that numerous companions had recently been at work with it. Examples were secured from young apple trees at Camden, September 13, 1902. Larvae were received September 16, 1907 from Mr. L. Ericson of Shelbyville, who reported them injuring a young apple tree planted in the spring of the same year.

The insect feeds on a variety of plants besides apple, among them, blackberry, rose, birch, cherry, plum, hawthorn (*Crataegus*), poplar and huckleberry.

The fully grown larva is somewhat thick-bodied, with the fourth body division (1st. abdominal) deeper than the others and producing above a sort of hump. Head bright red, slightly grooved in front, and contracting upwards and backwards. Jointed legs and fleshy legs outside black; hindmost pair of false legs raised when at rest. Whole surface of body with black tubercles, which on the middle of the dorsum in front are lengthened to form erect spines. Hump red. Body lined with alternating white and black lines along the back; on the sides, with waved black and yellow lines; tip of body black. Length about 1.25 inch.

**THE SADDLE-BACK CATERPILLAR.**

(*Sibine stimulea*).

A slug-like caterpillar with four conspicuous horn-like spiny processes, one at each side near the front end of the body and the other pair near the hind end. There are other smaller processes at each end. Body purple in front and behind, between, pea-green,