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Pyrameis cardui.—Larva found feeding on thistle, June 15th, full grown. Length $1\frac{1}{4}$ to $1\frac{3}{8}$ inches.

Head black, reddish in some specimens, above sprinkled with fine whitish hairs, and a few small black tubercles.

Body above greyish-brown, variegated with yellow and black. Second, third, fourth, fifth, and terminal segments, black, with many whitish dots. A broken dorsal stripe, white anteriorly; yellow from fifth to terminal segments: second segment without spines but covered with fine whitish hairs; third and fourth segments have four spines each; the others have seven, excepting the terminal ones which have two pairs, one placed behind the other. The spines are much branched and vary in color from yellowish to brownish-white tipped with black; base of spines along sides of body from fifth to twelfth segments of a reddish-orange color. Body thickly sprinkled with fine whitish hairs arising from minute white or yellow dots; a pale yellowish broken stripe on each side close to under surface. Spiracles black, ringed with dull yellow.

• Under surface greenish-grey, excepting on second, third and fourth segments where it is dull black. Fifth, sixth, eleventh and twelfth segments with tufts of whitish hairs springing from elevated tubercles. Feet dark brown, slightly hairy; prolegs yellowish grey.

The larvæ of *Cardui* vary very much—one young specimen was entirely black, excepting the dorsal and lateral yellow lines; another, full grown, was black throughout marked with yellow dots and transverse lines between the rows of spines—others with very little black, the yellow predominating, but these have some black about the anterior segments. The ridge of tubercles in which the spines are set is bluish-grey in the more yellow specimens, and the same color intermixed with black in the darker ones. Some of the lighter specimens have the base of nearly all the spines reddish, or reddish-orange; others have this color only on segments from fifth to terminal, one rather dark