

rather large hairs,  $105 \mu$  long. Caudal tubercles well developed, bearing one or two large hairs, several conical spines and a large seta,  $140 \mu$  long.

Hab.—On *Juniperus virginiana*, L., at Solida, Colo.; October, 1898. Collected by Prof. C. P. Gillette.

This species, *E. araucariæ*, Mask., and *E. adenostomæ*, Ehrh., resemble each other so closely externally that they cannot be distinguished by their external appearance. *Araucariæ* and *adenostomæ* resemble each other in the spines, but *araucariæ* has the spines rather more conspicuous, especially a row around the margin, which do not clear as easily as the rest, and therefore stand out rather prominently. In *araucariæ* the tibia and tarsus are subequal, while in *Gillettei* the tarsus is distinctly longer than the tibia, in *adenostomæ* they are nearly subequal. The length of the third joint of the antennæ in *Gillettei* is between those of the other two. *Araucariæ* has the caudal lobes distinctly prolonged, while that is not true in either *Gillettei* or *adenostomæ*.

This species seems to be of economic importance, as Prof. Gillette writes: "The little trees from which I took these specimens seemed almost to be dying from the attacks of these insects. At first I thought the trees literally covered with some *chionaspis* on bark and leaf."

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## EARLY STAGES OF TRIGONOPHORA PERICULOSA. GN.

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*Eggs*.—Laid dispersedly on the 11th of August. They were pinkish-white in colour; somewhat flattened; striated, and had cross indentations. They hatched on the 21st of the month.

*Newly-hatched larva*.—A half-looper; one-tenth of an inch long. Head bilobed, large. General colour a very pale olive-green, with numerous black warts on head and body, and a few white bristles. Mandibles amber-coloured. Feeds on *Plantago major*. Moulded August 28th.

*Larva after first moult*.—Length a quarter of an inch. Head small, dark brown. Body colour very pale green. Has four sage-green lines down the back, and is dotted with numerous small brown warts, each bearing a single brown hair. Moulded September 4th.

*Larva after second moult*.—Length half an inch. Head amber-coloured, spotted with brown. Body sage-green above, greenish-white below. The two shades separated by a double line—the upper part