

of doors. On July 6th they could not be seen, but the leaves were speckled with transparent spots, on the under side, showing black grains, probably the dried sap, and upon holding the leaves against the light the tiny larvæ were revealed, either still on the surface or having just cut their way between the two cuticles.

*Mature larva*.—8 mm. long, very slender, dull olive green or brownish in colour, with conspicuous darker tubercles each giving rise to several long, rather bristly hairs. Head large, smooth, pale brown with black trophi. Cervical collar semicircular, in colour and texture resembling the head. Full complement of legs and pro-legs, the latter unusually long. These larvæ are not confined to a single mine, but often leave one to excavate another and are therefore often seen crawling on the surface of the leaves. *Pupa*, slender, very pointed posteriorly, pale brown, inclosed in frail, open-meshed cocoon on under side of leaf or in angles of leaf-stalks. Imago appears in from 8 to 10 days in summer, and there are at least two successive broods.

This insect feeds by forming a puffy mine on *Pimpinella (Zizia) integerrima*, in this locality a not very common Umbellifer. I first bred it many years ago, and took it with me when visiting the family of Dr. Fernald, and the latter traced it to the genus *Chauliodus*, Tr., but, as at that time I did not know that it was new and had not its complete life-history, did not attempt a description. Since then I have learned from Lord Walsingham and Mr. Durrant that *Chauliodus*, Treit., is pre-occupied by *Epermenia*, Hüb., and also that the species was probably new to science.

*Eucatoptus striatella*, n. sp.

*Antennæ* long, dull ochreous, inclining to brown; basal joint comparatively large, especially in the ♂. *Palpi* with second and terminal joints about equal in length, second joint densely but closely tufted, pale buff or cinereous with indistinct leaden dots and shadings. *Head* and *thorax* pale buff, faintly striped with leaden gray. *Patagia* of the paler colour. *Fore wings* light brown or brownish-ochreous, sparsely speckled with black. A subcostal black, longitudinal line extends from base to apex, curving upward slightly and intensifying at the latter; beneath this, two more or less definite blackish striations, the one on inner margin being quite broad and diffused, while the discal streak is variable, not continuous, often consisting of two or three dashes. *Hind wings* silken, ashy white, shading to cinereous at tips. ♂ with pencil of spreading hairs from base