

## NOTES ON CRAMBUS.

BY A. R. GROTE.

*Crambus sericinellus* Zeller.

I am indebted to Professor Fernald for specimens of this species from Maine. It appears in two forms; one in which the thorax and fore wings are pure satiny white, which, from Prof. Zeller's description and a specimen sent him for identification, is the typical *sericinellus*; the other, in which the white is somewhat faded, having a slight yellowish or fuscous cast. This latter, Professor Fernald informs me, corresponds to Clemens' type of *inornatellus*, a name which I have referred as a synonym in my preliminary list. It may be retained as a varietal name; I do not think it can be specifically distinct; in some undoubted *sericinellus* the thorax is a little soiled.

*Crambus minimellus* Robinson.

I have identified this species from a specimen in my collection from Massachusetts. It has very pointed fore wings, and the little species seems to me related to the *Leachellus* group.

*Crambus undatus* Grote.

This species belongs to the *exsiccatu*s group; it is smaller than *exsiccatu*s, pale brown, the primaries washed with whitish, and having two dotted transverse lines, angulated on the disc, continuous and very distinct, not drawn in submedially. Fringes brown, with a silky or metallic shade. A fine series of terminal brown dots. Hind wings pale gray, with a faint subterminal line, discontinued inferiorly, visible also beneath. We have two Californian species, *anceps* and *undatus*, and two Eastern species, *exsiccatu*s and *laciniellus*, which are allied in having the fore wings crossed by two brownish angulated uneven lines more or less continuous and differing in expression in each species.

*Crambus occidentalis* Grote.

Mr. Hy. Edwards considers this a distinct species and not a variety of *Leachellus*. It differs by the prominent notch of the white stripe on its lower edge at the middle, and by the dark shades accompanying the stripe below. It is collected about San Francisco. What I regard as the