

# PAPILIO.

Devoted Exclusively to Lepidoptera.

Edited by  
Eugene M. Aaron,  
Lock Box 916.

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## THE TYPES OF TINEINA IN THE COLLECTION OF THE MUSEUM IN CAMBRIDGE, MASS.

BY DR. H. A. HAGEN.

No. II.\*

(Not Chambers signifies that the species is not present among Chambers' types.)

### LITHOCOLLETIS, Zell.

- aceriella*, Clem. 2 Ky. (a good spec.)  
*ænigmatella*, Frey. (Chb.) 3 Cambridge, Mass.  
*æriferella*, Chb. 2 Ky. (bad condition; new to me.)  
*albanotella*, Chb. 1 Middle States (bad condition.)  
*alternatella*, Zell. 1 Texas. (not Chambers.)  
*ambrosiæella*, Chb. 2 Ky.  
*amorphæella*, Chb. 1 Col. (bad condition.)  
*amphicarpæella*, Chb. 5 Col. (probably a good species, but the specimens are not sufficient to separate the related species.)  
*argentifimbriella*, Chb. 1 Ky. (very bad condition; perhaps? *longestriata*, Frey.)  
*argentinotella*, Clem.-Chb. 7 Ky. Frey. 8 Cambridge, Mass.  
*atomariella*, Zell. 2 Texas. (perhaps *hamadryella* Clem., but this is still doubtful.)  
The same spec. 4 Cambridge in underside mine of *Populus tremuloides*; 4 Cambridge underside mine of *Pop. grandidentata*; 3 Cambridge on *Salix*; all coll. by J. Boll and determined by H. Frey; he adds, "not" *atomariella*, Chambers.  
*auronitens*, Frey. Cambridge. (not Chambers.)  
*australisella*, Chb. 1 Texas. (not recognizable.)  
*basistrigella*, Clem.-Chb. 4 Ky. (new to me.)  
*Bethunella*, Chb. 3 Ky. (scarcely recognizable.)  
*bifasciella*, Chb. 1 Ky. (a beautiful spec, entirely different from all European ones.)  
*caryæalbella*, Chb. 1 Ky. (unfit for determination.)

\* See pages 96-98 of this volume for an explanation of the abbreviations used, and a statement of the condition of these collections.—Editor.

- caryæfoliella*, Clem.-Chb. 4 Ky.  
*castaneæella*, Chb. 1 Ky. (new to me.)  
*celtisella*, Chb. 15 Ky. (new to me.)  
*Cincinnatella*, Chb. 14 Ky. (new to me.)  
*Clemensiella*, Chb. 9 Ky. (unfit for determination.)  
*conglomeratella*, Zell. 4 Texas. (not Chambers; wanting among his spec.)  
*consimilella*, Frey. 1 Cambridge. (not Chambers.)  
*coryliella*, Chb. 1 Ky. (unfit for determination.) var. *ostryæella*, Chb.  
*corylisella*, Chb. 1 Ky. (unfit for determination.) from the hazel, Chb.  
*cratægella*, Clem.-Chb. 7 Ky. from quince and wild cherry (new to me.)  
*deceptisella*, Chb. 1 Ky. (not recognizable.)  
*Fitchella*, Clem.-Chb. 2 Ky. Zell. 2 Texas (is *quercetorum*, Frey; Clemens' name to be retained.)  
*fuscocostella*, Chb. 3 Ky. (new to me.)  
*gemmea*, Frey. 2 Cambridge. (not Chambers; the specimens are of very light color.)  
*guttifinitella*, Chb. 8 Ky. (new to me.)  
*Hagenii*, Frey. 4 Cambridge. (is *necopinusella*, Chambers.)  
*hamadryadella*, Clem.-Chb. 6 Ky. (a good spec. new to me.)  
*helianthivorella*, Chb. 1 Ky. (unfit for determination.)  
*intermedia*, Frey. 4 Cambridge. (not Chambers.)  
*longestriata*, Frey 1 Cambridge. (not Chambers.)  
*lucetiella*, Clem.-Chb. 2 Ky. (not recognizable.)  
*lucidicostella*, Clem.-Chb. 5 Ky. (a good spec. new to me.)  
*necopinusella*, Chb. 1 Ky. (is *Hagenii*, Frey.)  
*obscuricostella*, Clem.-Chb. 1 Ky. (not recognizable.)  
*obsoletella*, Frey. 3 Cambridge. (not Chambers.)  
*ornatella*, Chb. 6 Ky.; 5 Cambridge. (Frey's spec. is the same, as far as Chambers' specimens allow to judge.)  
*ostryæfoliella*, Clem.-Chb. 2 Ky. (not recognizable.)  
*populiella*, Chb. 1 Ky. (not recognizable.)  
*quercella*, Chb. 1 Col. (new to me.)  
*(quercetorum)*, Chb. 1 Mo. is *Fitchella*, Clem.)  
*quercivorella*, Chb. 1 Ky.  
*quinquenotella*, Chb. 2 Texas. (new to me.)  
*Rileyella*, Chb. 1 Mo. (a good specimen; new to me.)  
*Robiniella*, Clem.-Chb. 3 Ky.; Frey. 9 Cambridge. (right.)  
*salicifoliella*, Clem.-Chb. 7 Ky. (Chambers' species is new to me, and therefore has not been described by me; it is very different from *Scudderella*, though I had agreed formerly with Chambers about the identity, as I see now erroneously; *salicifoliella*, is a most beautiful species; the American fauna is apparently very rich for *Lithocolletis*.)  
*Scudderella*, Frey. 6 Cambridge. (not Chambers.)  
*Solidaginisella*, Chb. 1 Ky. (not recognizable.)  
*Tiliæella*, Chb. 4 Ky. (a good spec. new to me.)  
*Texanella*, Zell. 2 Texas.  
*Tritæniaella*, Chb. 4 Ky. (not recognizable.)  
*Tubiferella*, Chb. 2 Ky. (a good specimen.)  
*Ulmella*, Chb. 12 Ky. (a good spec. very nearly related to *intermedia*, Frey.)  
*unifasciella*, Chb. 1 Ky. (new to me.)

Of the *Lithocolletidæ* recorded in Chambers' Index, 58 are in the collection; there are wanting 10 types of Chambers' species, 5 of Frey's

and 3 of Packard's. Prof. Frey says: "this about the most important part of the collection. Chambers did not know the larger part of my species."

## ELACHISTIDÆ.

### TISCHERIA.

- ænea*, Frey. 4 Cambridge; Chb. 2 Ky.  
*badiella*, Chb. 4 Ky. (new to me.)  
*Clemensella*, Chb. 1 Ky. (unfit for determination.) This species inadvertently omitted in the Index.  
*concolor*, Zell. 1 Texas.  
*fuscomarginella*, Chb. 1 Ky. (new to me.)  
*heliopsisella*, Chb. 2 Ky. (new to me; if at all belonging to *Tischeria*.)  
*latipennella*, Chb. 1 Texas. (unfit for determination.)  
*malifoliella*, Clem.-Chb. 3 Ky.; Frey. 18 Cambridge.  
*pulvella*, Chb. 1 Texas. (new to me.)  
*pruinosa*, Chb. 1 Texas. (unfit for determination.)  
*quercitella*, Clem.-Zeller. 2 Texas, Frey. 3 Cambridge.  
*quercivorella*, Chb. 5 Ky. (new to me.)  
*roseticola*, Frey. Cambridge.  
*tinctoriella*, Chb. 2 Ky.  
*Zelleriella*, Clem.-Chb. 4 Ky.

There are wanting 4 species of the Index.

### ELACHISTA.

- bicristatella*, Chb. 1 Texas. (surely no *Elachista*; genus unknown to me.)  
*concolorella*, Chb. 1 Texas. (no *Elachista*; genus unknown; unfit for determination.)  
*parvipulvella*, Chb. 4 Texas. no *Elachista*; genus unknown.)  
*præmaturella*, Clem.-Chb. 6 Ky. (3 spec. not recognizable; one not belonging to this species.)  
*spectrella*, Frey mss. 1 Texas.  
*Staintonella*, Clem.-Chb. 1 Ky. (is an *Elachista*.)  
*Texanella*, Chb. 3 Texas. (belongs perhaps not to *Tischeria*.)

There are wanting 8 species of the Index.

### ANTISPILA. (not seen by Prof. Frey.)

- ampelopsiella*, Chb. 3 Ky.  
*cornifoliella*, Clem.-Chb. 1 Ky.  
*hydrangiella*, Chb. 1 Ky.  
*isabella*, Chb. 1 Ky.  
*viticordifoliella*, Chb. 2 Ky.

All specimens in bad condition; one specimen of the Index wanting.

## LAVERNA.

- (albocapitella*, Chb. 1 Texas; is *Murtfeldtella* of Index.)  
*cephalanthella*, Chb. 6 Ky.  
*circumscripella*, Zell.-Chb. 2 Mo.; Zell. 5 Texas.  
*coloradoella*, Chb. 1 Col. (belongs to another genus.)  
*definitella*, Zell. 1 Texas.  
*erransella*, Chb. 3 Ky.; formerly *Perimede erransella* of Index (unfit for determination.)  
*gleditschiella*, Chb. 2 Ky. (belongs not to *Laverna*.)  
*(griseella*, Chb. 2 Ky.; is *Murtfeldtella* of Index) (unfit for determination.)  
*ignobiliella*, Chb. 1 Ky. (unfit for determination.)  
*magnatella*, Zell.-Chb. 2 locality? It is different from *ænotheriella*.  
*miscicolorella*, Chb. 8 Texas. (a good spec.)  
*Murtfeldtella*, Chb. 6 Ky. (a good spec.)  
*obscurusella*, Chb. 2 Texas.  
*ænotheræseminella*, Chb. 2 Mo.  
*ænotherella*, Chb. 3 Texas. (all 3 are different species.)  
*unifasciella*, Chb. 1 Col.

Wanting 9 species of Index.

## BEDELLIA.

- somnulenta*, Zell. 3 Ky. (the European species.)

## COSMOPTERYX.

- montisella*, Chb. 1 Ky.  
*gemmiferella?* Zeller. 1 Texas.  
*quadrilinella*, Chb. 2 Texas.

## BATRACHEDRA.

- (Clemensella*, Chb.; after a ms. note by Chambers it is *striolata*, Zell.)  
*præangusta*, Chb. 4 Col. (unfit for determination.) Chambers believes his *salicipomonella* to be the same species.  
*striolata*, Zell. 9 Texas.

## ÆÆA.

- ostryæella*, Chb. 1 Ky.  
*purpuriella*, Chb. 4 Ky.; formerly *Chrysopeleia purpuriella*, Chambers.  
*quadricristatella*, Chb. 1 Texas.

## AETOLA.

- bella*, Chb. 1 Texas (a most wonderful species; there exists not anything alike or even related in Europe.)

## ASYCHNA.

- pulvella*, Chb. 4 Ky.

With the only exception of *Bedellia somnulenta* there is no European species among all here recorded.



Hagen, Hermann August. 1884. "The types of *Tineina* in the collection of the Museum in Cambridge, Mass., Part II." *Papilio* 4(9-10), 151–154.

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