

### 1. *Deilephila lineata*.

*Sphinx lineata*, Fab. Syst. Ent. p. 541<sup>1</sup>.

*Sphinx daucus*, Cr. Pap. Ex. ii. t. 125. f. D<sup>2</sup>.

*Deilephila lineata*, Butl. Trans. Z. S. ix. p. 568<sup>3</sup>.

*Hab.* NORTH AMERICA<sup>2</sup>.—MEXICO, Mazatlan (*H. Edwards*), Oaxaca<sup>3</sup> (*Hartweg, mus. B.*).—ANTILLES, Jamaica, Haiti, &c.; COLOMBIA; ECUADOR (*mus. D.*).

The only Central-American specimen with which I am acquainted is one in the British Museum.

### PHILAMPELUS.

*Philampelus*, Harris, Amer. Journ. Sc. xxxvi. p. 299 (1839).

Nineteen species are placed in this genus by Mr. Butler, several of them being of very doubtful value. I quite agree with him that *P. eacus* and *P. cissi* are only varieties of *P. pandorus* and *P. satellitia*. Sixteen species are found in the Neotropical, and three in the Ethiopian Region.

### 1. *Philampelus vitis*.

*Sphinx vitis*, Linn. Mus. Lud. Ulr. p. 354<sup>1</sup>.

*Eumorpha elegans Jussieuæ*, Hübn. Samml. ex. Schmett. i. t. 170. f. 1, 2<sup>2</sup>; ii. t. 163. f. 3, 4.

*Philampelus vitis*, Butl. Trans. Z. S. ix. p. 574<sup>3</sup>.

*Hab.* MEXICO<sup>3</sup> (*Boucard, mus. D.*); COSTA RICA, Irazu (*Rogers*); PANAMA, Chiriqui (*mus. Staudinger*).—ANTILLES, Jamaica<sup>3</sup>, San Domingo<sup>3</sup>; ECUADOR; PARAGUAY; ARGENTINE REPUBLIC (*mus. D.*).

This appears to be a wide-ranging common southern species; but as yet I have only seen four specimens from Central America, which do not differ in any respect from the large series of southern specimens before me.

### 2. *Philampelus linnei*.

*Philampelus linnei*, Grote & Robinson, Proc. Ent. Soc. Phil. v. pp. 157, 179, 182, t. 3. f. 3.

*Sphinx vitis*, Cr. Pap. Ex. iii. t. 268. f. E.

*Philampelus vitis*, Walk. Cat. viii. p. 176<sup>1</sup>.

*Hab.* MEXICO<sup>1</sup>, Cordova (*Rümelí*); GUATEMALA, San Gerónimo (*Champion*); PANAMA, Chiriqui (*Ribbé*; *Arcé, mus. D.*), Colon (*Boucard, mus. D.*).—ANTILLES, San Domingo<sup>1</sup>, Cuba (*mus. D.*); COLOMBIA, Manaure (*mus. D.*); ECUADOR (*mus. D.*); TRINIDAD (*mus. D.*); GUIANA.

Walker in his Catalogue places this very distinct species with *P. vitis*<sup>1</sup>. The Cuban specimens are the smallest I have seen, but do not differ in any other respect. I have not seen an example from any locality south of Ecuador. *P. vitis* has a much more southern range.