

### 3. *Protoparce carolina*.

*Sphinx carolina*, Linn. Mus. Lud. Ulr. p. 346<sup>1</sup>; Drury, Ill. Nat. Hist. i. t. 25. f. 1<sup>2</sup>; Abbot & Smith, Nat. Hist. Lep. Georg. t. xxxiii.<sup>3</sup>; Walk. Cat. viii. p. 216<sup>4</sup>.

*Hab.* NORTH AMERICA<sup>2 3</sup>.—MEXICO<sup>4</sup>, Mazatlan (*H. Edwards*), Cordova (*Rümelì*); NICARAGUA, Chontales (*Belt*); PANAMA, Chiriqui (*Arcé, mus. D.*).—ANTILLES, San Domingo<sup>4</sup>, Cuba (*mus. D.*), Trinidad (*mus. D.*); ECUADOR (*mus. D.*); S.E. BRAZIL<sup>4</sup> (*mus. D.*).

The larva and pupa of *P. carolina* are well figured by Abbot and Smith<sup>3</sup>.

### 4. *Protoparce jamaicensis*.

*Protoparce jamaicensis*, Butl. Trans. Z. S. ix. p. 608<sup>1</sup>.

*Hab.* MEXICO, Cordova (*Höge*); PANAMA, Chiriqui (*mus. Staudinger*).—ANTILLES, Jamaica<sup>1</sup> (*mus. D.*).

A well-marked form of *P. carolina*, being always larger, and the secondaries with a pale brown instead of whitish ground-colour.

### 5. *Protoparce paphus*.

*Sphinx paphus*, Cr. Pap. Ex. iii. t. 216. f. B<sup>1</sup>.

*Hab.* PANAMA (*mus. Staudinger*).—GUIANA, Surinam<sup>1</sup>.

I have never seen this species, but include it here on the authority of Dr. Staudinger.

### 6. *Protoparce lucetius*.

*Sphinx lucetius*, Cr. Pap. Ex. t. 301. f. B<sup>1</sup>; Walk. Cat. viii. p. 221<sup>2</sup>.

*Hab.* PANAMA, Chiriqui (*Arcé, mus. D.*).—GUIANA, Surinam<sup>1</sup>; BRAZIL<sup>2</sup>.

I have only seen a single specimen of this insect. It is closely allied to the preceding species, from which it differs in having the anterior wings very much darker in colour, more thickly marked with black lines, and the posterior wings much blacker.

### 7. *Protoparce cingulata*.

*Sphinx cingulata*, Fabr. Syst. Ent. p. 545<sup>1</sup>.

*Sphinx convolvuli*, Drury, Ill. Nat. Hist. t. 25. f. 4 (nec Linn.)<sup>2</sup>.

*Sphinx cingulata*, Walk. Cat. viii. p. 215<sup>3</sup>.

*Hab.* MEXICO<sup>3</sup>, Mazatlan (*H. Edwards*), Cordova (*Rümelì*); GUATEMALA, Pantaleon (*Champion*); COSTA RICA, Irazu (*Rogers*); PANAMA, Chiriqui (*Arcé, mus. D.*).—ANTILLES, Jamaica<sup>3</sup>, San Domingo, &c., Trinidad (*mus. D.*); COLOMBIA (*mus. D.*); ECUADOR (*mus. D.*).

This is a widely ranging species and varies to some extent in the colour of the secondary wings. In some specimens these wings are almost pink, in others greyish, closely resembling those of *P. convolvuli*, Linn.