

*d'*. Wings black, a red spot on the primaries.

### 16. *Heliconius petiveranus*.

*Heliconia petiverana*, Doubl. Gen. Diurn. Lep. p. 103<sup>1</sup> (ex Petiver, Gaz. t. 4. f. 2).

*Heliconius petiverana*, Butl. & Druce, P. Z. S. 1874, p. 351<sup>2</sup>.

*Heliconia demophoon*, Ménétr. Cat. Mus. Petr. Lep. p. 86, t. 2. f. 4<sup>3</sup>.

*Heliconius demophoon*, Bates, P. Z. S. 1863, p. 247<sup>4</sup>; Dist. Pr. Ent. Soc. 1876, p. xiii<sup>5</sup>.

*Heliconia mexicana*, Boisd. Lép. Guat. p. 28<sup>6</sup>.

*Heliconia rosina*, Boisd. Lép. Guat. p. 29<sup>7</sup>; Butl. & Druce, P. Z. S. 1874, p. 351<sup>8</sup>.

*Heliconia amaryllis*, Dist. Pr. Ent. Soc. 1876, p. xiv<sup>9</sup>.

Alis nigris, anticis fascia transversa irregulariter ovata per cellulæ finem coccinea, posticis fascia transversa flava; subtus ut supra, macula anticarum coccinea medialiter albicante, posticis punctis minutis ad basin coccineis ornatis et costæ parte proxima anguste flava.

*Hab.* MEXICO, Alvarado (*Deppe*), Acapulco (*A. Markham*, *Ransonnet*, *Mus. Vindob.*), Potrero (*Hedemann*), Oaxaca (*Fenochio*), Valladolid in Yucatan (*Gaumer*); BRITISH HONDURAS, Corosal (*Roe*), Rio Hondo (*Blancaneaux*); GUATEMALA, Pacific coast, Retalhuleu, Yzabal, Motagua valley, and Polochic valley (*F. D. G. & O. S.*), Zapote and Panima (*Champion*); HONDURAS, San Pedro (*G. M. Whitely*); NICARAGUA<sup>3</sup> (*Bridges*), Chontales (*Belt*); COSTA RICA (*Van Patten*<sup>2 8</sup>), Cache (*Rogers*); PANAMA, Volcan de Chiriqui, 2000 to 3000 feet (*Champion*), Bugaba, Calobre (*Arcé*), Lion-Hill station (*M'Leannan*), Colon (*Markham*).—COLOMBIA; ECUADOR.

Some difficulty presents itself as to the proper name to adopt for this *Heliconius*; but there can, we think, be no doubt that the titles *petiveranus* and *demophoon* were both intended for the same insect. The former is based upon an old figure in Petiver's 'Gazophylax.' That this was meant to represent this species there can, we think, be little doubt; but it would have been much more satisfactory had Doubleday, when introducing the name *H. petiveranus*, described the species instead of merely referring to this figure. This seems to have been the opinion of Ménétrié, who went so far as to propose a name of his own to supersede that of Doubleday<sup>3</sup>. In so doing he has been followed by several writers. We prefer, however, to use the name *H. petiveranus*, believing as we do that no uncertainty is incurred thereby. The insect described by Boisduval as *H. rosina*<sup>7</sup>, though admitted as distinct by Messrs. Butler and Druce<sup>8</sup>, has, in our opinion, no right to such distinction. We find in many places specimens in which the yellow band of the secondaries beneath does not quite reach the outer margin; but this character, by which alone *H. rosina* seems separable, we do not consider of specific value. With regard to *H. amaryllis*, Feld., we are not so certain, as our series of southern specimens is not sufficiently extensive to enable us to form a decided opinion. We notice, however, that variation occurs in the number of red spots at the base of the secondaries, rendering the position of *H. amaryllis* doubtful; and, moreover, we hesitate to admit the existence of two forms in Costa Rica, which is Mr. Distant's opinion<sup>9</sup>.