

former with *H. primularis* of the latter. We see no way at present of accounting for this singular state of things.

Of the present species we have figured one of the type specimens, a male from Choctum in Northern Vera Paz, Guatemala.

19. **Heliconius chioneus.** (Tab. XVIII. figg. 7, 8.)

*Heliconius chioneus*, Bates, Ent. Monthl. Mag. i. p. 58<sup>1</sup>.

*H. galantho* similis, sed litura alba anticarum angustiore, posticis albo marginatis (venis divisis); subtus ut supra, sed posticis rufo notatis fere ut in *H. galantho*.

*Hab.* PANAMA, Chiriqui, Santa Fé and Calobre (*Arcé*), Lion-Hill station (*M<sup>c</sup>Leannan*<sup>1</sup>).  
—COLOMBIA, Frontino.

A single example, which we now figure, was the type of Mr. Bates's description of this species. This was sent us by the late James M<sup>c</sup>Leannan from his station on the Panama railway. He subsequently sent us a few other examples; but the species does not appear to be so abundant on the line of railway as further to the westward in the State of Panama, whence we have received a good supply of specimens. In this direction it spreads as far as the neighbourhood of Chiriqui; but in Costa Rica its place is taken by *H. galanthus*. In Colombia it occurs near Frontino in the Cauca valley.

There is some slight variation in members of this species, chiefly affecting the inner margin of the white band of the primaries. The submarginal band, too, of the secondaries is nearer the margin in some specimens than in others; but in all it is a feature by which they may at a glance be distinguished from *H. galanthus*.

*Note.*—The Colombian *Heliconius cydno* is included by Messrs. Butler and Druce\* in their list of Dr. Van Patten's Costa-Rica collection, on the faith of a single specimen contained in it. In default of further evidence of the occurrence of the species within our limits, we are inclined to think that this specimen had been accidentally introduced into the collection from another source, as seems to have happened in other instances.

20. **Heliconius leuce.** (Tab. XVIII. figg. 3, 4.)

*Heliconia luce*, Doubl. Gen. Diurn. Lep. p. 102<sup>1</sup>.

*Ajantis sappho*, Hübn. Zutr. ex. Schmett. iii. p. 36, figs. 565, 566 (nec Drury).

*H. galantho* similis, sed margine externo fascia alba anticarum profunde dentato, subtus posticis fuscis, punctis variis coccineis ad basin notatis.

*Hab.* BRITISH HONDURAS, river Sarstoon (*Blancaneaux*); GUATEMALA, Yzabal, Motagua valley, and forests of Northern Vera Paz (*F. D. G. & O. S.*), Polochic valley (*Hague*), Cubilguitz, Panima, Telemán, and Panzos (*Champion*); NICARAGUA, Chontales (*Belt*); COSTA RICA (*Endres*).

\* P. Z. S. 1874, p. 351.