

without the white band on the primaries. But I cannot detect any difference of specific importance which would enable me to separate my large series of specimens. Prof. Westwood, in his paper on the genus *Castnia*⁴, divides the species into three forms; but I am unable to do so, having specimens that completely connect them all together. *Castnia salasia* of Boisduval agrees in all respects with this species. I have compared the type with a large number of specimens, and cannot detect the slightest difference.

6. *Castnia futilis*. (Tab. IV. fig. 5.)

Castnia futilis, Walker, Cat. vii. p. 1581¹.

Hab. NICARAGUA (*Delattré*); COSTA RICA (*Van Patten*), Irazu (*Rogers*); PANAMA, Chiriqui, Veraguas (*Arcé, mus. D.*), Bugaba, 800 to 1500 feet (*Champion*).

This species is very distinct from *Castnia atymnus*, though Prof. Westwood considers it the same in his memoir on this genus, stating that the type in the British Museum is only a rubbed and faded specimen of *C. atymnus*. Having before me a long series of specimens in the finest condition, I find that *C. futilis* differs in many respects from *C. atymnus*, and that it must be retained as a distinct species. A Costa-Rican example is figured.

7. *Castnia licus*.

Papilio licus, Fabr. Ent. Syst. iii. t. 47¹; Drury, Ins. i. t. 16. f. 1, 2²; Cramer, iii. t. 223. f. A, B³. *Castnia licus*, G. R. Gray, Trans. Ent. Soc. ii. p. 143; Walker, Cat. i. p. 18⁴, vii. p. 1582⁵; Westwood, Trans. Linn. Soc. ser. 2, Zool. i. p. 173⁶.

Hab. NICARAGUA, Chontales (*E. M. Janson, mus. D.*); COSTA RICA (*Van Patten, mus. D.*).—ECUADOR⁶ (*mus. D.*); EAST PERU and BOLIVIA (*mus. D.*); GUIANA, Surinam^{2 3}; TRINIDAD (*mus. D.*); AMAZONS, Para^{4 6}, Santarem (*mus. D.*), Ega^{4 6}; BRAZIL^{4 6}.

This species seems to be a scarce insect in Central America. Van Patten only obtained a single example from Costa Rica, and some years later Janson sent one from Chontales in very poor condition. Both specimens agree well with the southern ones before me; but as yet they are the only examples I have seen from our country.

8. *Castnia inca*.

Castnia inca, Herr-Schäff. Samml. aussereur. Schm. f. 488, 489¹; Walk. Cat. i. p. 24²; Hopffer, Neue Schmett. Heft ii. t. 4. f. 2³; Westwood, Trans. Linn. Soc. ser. 2, Zool. i. p. 171.

Castnia clitarcha ♂, Westwood, loc. cit. p. 176, t. 30. f. 1.

Hab. MEXICO^{1 2 3}, Cordova (*Höge*), Valladolid in Yucatan (*Gaumer*); GUATEMALA, Senahu (*Champion*); HONDURAS².—VENEZUELA².

All the specimens I have seen agree well with Herrich-Schäffer's figures. The male of Westwood's *C. clitarcha* belongs to this species.