

[1 ♂], Chavarillo [1 ♀] (*Barrett, coll. P. P. C.*), Texolo (*Rhoads*: 4 ♂, 1 ♀), Atoyac (*H. H. Smith*: 1 ♂, 5 ♀; *Schumann*: 6 ♂, 3 ♀), Orizaba (*H. H. Smith, Godman, Elwes*: 15 ♂, 7 ♀), all in Vera Cruz; BRITISH HONDURAS, Rio Sarstoon (*Blancaneaux*: 1 ♂, 1 ♀); GUATEMALA (*coll. McLachlan*: 2 ♂), Polochic Valley (*coll. McLachlan*: 1 ♂), Panzos [2 ♂], Chacoj [1 ♂], Purula [1 ♀], Panima [1 ♂], San Gerónimo [3 ♂, 2 ♀], Guatemala city [6 ♂], Dueñas [1 ♂, 2 ♀], Zapote [12 ♂, 5 ? ♀] (*Champion*), Aceituno (*Champion*: 1 ♂; *coll. McLachlan*: 1 ♂); COSTA RICA (*Van Patten*: 1 ♂), Rio Sucio [2 ♂], Irazu 6000–7000 feet [12 ♂, 3 ♀], Caché [20 ♂, 16 ♀], San Francisco 4500 feet [5 ♂, 3 ♀] (*Rogers*), Diquis Valley, Rio del Convento (*coll. Adams, P. P. C. det.* 1897); PANAMA, Chiriqui (*coll. McLachlan*: 1 ♂), Volcan de Chiriqui below 4000 feet (*Champion*: 1 ♂).—COLOMBIA³ (*Moritz*, “*Hetærina lineata*,” *M. C. Z.*: 1 ♂), Cauca (*Staudinger, M. C. Z.*: 1 ♂), Santa Fé de Bogota (*Lindig*, 1863, *M. C. Z.*: 2 ♂, 2 ♀); VENEZUELA³; SURINAM³; BRAZIL³; WEST INDIES, Martinique⁸.

The following measurements from some of the above material may be recorded:—

Mexican individuals: Abdomen, ♂ 33–37.5 mm., ♀ 28–32; hind wing, ♂ 26–28, ♀ 25.5–27.5.

Caché, Costa Rica: Abdomen, ♂ 34–38, ♀ 27–32; hind wing, ♂ 24.5–28, ♀ 24.5–28.5.

The “*H. lineata*,” ♂, from Colombia, has the abdomen 42, hind wing 31 mm.; but Lindig’s specimens from Bogota have the same dimensions as those of medium-sized Mexican individuals.

For further remarks on *H. cruentata*, see under *H. vulnerata*, *infra*.

Since the determination of the females of this species is often so difficult, it is certainly safer to use the name *cruentata*, in preference to *luteola*, adopted by Kirby⁹.

3. *Hetærina vulnerata*. (Tab. II. fig. 30; Tab. III. fig. 18.)

Hetærina vulnerata, Selys, Syn. Calopt. p. 40 (1853)¹; Monogr. Calopt. p. 130, t. 12. fig. 2 (apps. ♂) (1854)²; Walker, List Neur. Ins. Brit. Mus. iv. p. 626 (1853)³; Hagen, Neur. N. Am. p. 60 (1861)⁴; Proc. Bost. Soc. Nat. Hist. xviii. pp. 23, 28 (1875)⁵; Kirby, Cat. Odon. p. 105 (1890)⁶.

Hab. UNITED STATES, Arizona (*C. U. lot* 35, *M. C. Z.*: 1 ♂).—MEXICO², Sierra Madre de Tepic (*Richardson*: 1 ♀), Dublan in Hidalgo (*Barrett, coll. P. P. C.*: 2 ♂, 2 ♀; and in *coll. Adams, P. P. C. det.*), Morelia (*Godman*: 1 ♂), Uruapam (*Rhoads*: 13 ♂, 26 ♀; *coll. Deam*), Texolo (*Rhoads*: 2 ♂), Orizaba (*Elwes, H. H. Smith, Godman*: 6 ♂, 2 ♀), Santa Maria in Puebla [1 ♀], Santa Fé in the Distrito Federal [3 ♂] (*Barrett, coll. P. P. C.*), Cuernavaca in Morelos (*coll. McLachlan*: 1 ♂; *Barrett, coll. P. P. C.*: 7 ♂, 6 ♀; *H. H. Smith*: 4 ♂; *coll. Deam, det. P. P. C.*), Omilteme 8000 feet [4 ♂, 1 ♀], Xucumanatlan 7000 feet [1 ♀], and Tierra Colorada [1 ♀], all in Guerrero (*H. H. Smith*), San Francisco de Guadalupe (*coll. Adams, P. P. C. det.*); GUATEMALA, Purula in Vera Paz (*Champion*: 1 ♀).—COLOMBIA²; BRAZIL².