

NICARAGUA (*Janson* : young specimens). Probably also Toro Rapids, in the woods (*Gabb* : *H. turbinata*, *Angas*, *Am. Journ. Conch.* v. p. 159).

COSTA RICA (*Gabb* ²³).

This species has a wider geographical distribution than most others of the genus *Helicina*. It is easily recognizable by the thin shell and the sharp tooth-like projection at the base of the columella. In size and colour it is variable. Most specimens are unicolorous—pale yellowish, greenish, or reddish ; but many have two reddish-brown bands, one near the suture, and one below the periphery. More variegated specimens, speckled with white, are before me from Teapa in Tabasco, and Cerro Zunil, Las Mercedes, and Chacoj in Guatemala. Sometimes the apex is vividly rose-coloured.

In Guatemala Mr. Champion captured examples of it on both the Atlantic and Pacific slopes, at elevations from a little above the sea-level to 4000 feet ; also at Totonicapam, in the Los Altos region, at a much greater altitude.

15. *Helicina fragilis*.

Helicina fragilis, Morelet, *Test. Noviss.* ii. p. 17 (1851) ¹ ; Pfr. *Monogr. Pneum. Vivent.* i. p. 368 ², & ii. p. 195 ³ ; Gray, *Cat. Phaneropn.* p. 266 ⁴.

Var. *Helicina elata*, Shuttl. in *Bern. Mittheil.* 1852, p. 304 (*Diagn. no. 3*, p. 44) ⁵ ; Pfr. *Monogr. Pneum. Vivent.* ii. p. 201 ⁶.

Var. *Helicina meridigera* (Sallé), Pfr. in *P. Z. S.* 1855, p. 102 ⁷ ; *Monogr. Pneum. Vivent.* ii. p. 202 ⁸ ; Sow. *Thes. Conch.* iii. p. 287, t. 272. figg. 243, 244 (magnified) ⁹ ; Reeve, *Conch. Icon.* xix., *Helicina*, t. 16. fig. 140 ¹⁰.

? *Helicina*, nov. spec., Strebel, *Abhandl. Geb. Naturw. Ver. Hamb.* vi. 1, p. 19, t. 1 a. figg. 12, 12 a, & t. 2. figg. 12, 12 a ¹¹.

Hab. E. MEXICO : Cordova, State of Vera Cruz (*Jacot-Guillarmod* ^{5 6}) ; Vera Cruz (*Sallé* ^{7 8}) ; Vera Cruz, dead specimens found on the beach (*Strebel* ¹¹) ; Mexico ^{9 10}.

W. MEXICO : Omilteme in the Sierra Madre del Sur, State of Guerrero, 8000 feet (*H. Smith*).

N. GUATEMALA : Province of Peten ^{2 4}, in the woods, under decayed leaves (*Morelet* ¹) ; Teleman, in the valley of the Polochic (*Stoll, Champion*) ; Purula 4000 feet (*Champion*).

I have compared Shuttleworth's typical specimen of *H. elata*, from Cordova, with Stoll's Guatemalan example, and the only differences I can find are, that the latter is a little larger, more intensely coloured, and has a somewhat broader peristome.

This species resembles *H. tenuis*, but is much smaller. From *H. flavida* it is distinct by the dentiform prominence at the base of the columella, resembling that of *H. tenuis*.

Strebel's unnamed species ¹¹ is closely allied, but somewhat larger and less elevated ; the drawing of the base of the columella, seen from below, agrees exactly with Shuttleworth's and Pfeiffer's specimen of *H. elata*.