

worth's original specimen, there are very few differences: chiefly the more elevated figure of the former [diam. 10, height 8 millim., Binney (1865); diam. 9, height  $6\frac{1}{2}$  millim. according to Shuttleworth—Binney's figure, t. 74. fig. 4, is, therefore, somewhat magnified]. I have never seen Binneyan specimens.

Binney<sup>1</sup> and Pfeiffer<sup>4</sup> give "United States (?)" as the locality.

#### 14. *Helicina tenuis*.

*Helicina ambeliana*, Sow. Thes. Conch. i. t. 1. fig. 19 (and fig. 26?) (nec Boissy)<sup>1</sup>.

*Helicina tenuis*, Pfr. in P. Z. S. 1848, p. 124<sup>2</sup> [nec C. B. Adams, Contribut. to Conchol. i. p. 14 (1840)\*]; Martini & Chemnitz, Syst. Conch.-Cab. ed. 2, *Helicina*, no. 47, p. 40, t. 7. figg. 33, 34<sup>3</sup>; Monogr. Pneum. Vivent. i. p. 372<sup>4</sup>; Gray, Cat. Phaneropn. p. 269<sup>5</sup>.

Var. *Helicina vernalis*, Morelet, Test. Noviss. i. p. 20 (1849)<sup>6</sup>; Pfr. Monogr. Pneum. Vivent. i. p. 372<sup>7</sup>; Martini & Chemnitz, Syst. Conch.-Cab. ed. 2, *Helicina*, no. 96, p. 71, t. 10. figg. 12-14<sup>8</sup>; Gray, Cat. Phaneropn. p. 269<sup>9</sup>; Sow. Thes. Conch. iii. p. 288, t. 273. fig. 273<sup>10</sup>; v. Mart. P. Z. S. 1875, p. 649<sup>11</sup>.

Var. *Helicina chiapensis*, Pfr. in P. Z. S. 1856, p. 380<sup>12</sup>; Monogr. Pneum. Vivent. ii. p. 198<sup>13</sup>; Sow. Thes. Conch. iii. p. 288, t. 272. figg. 255, 256<sup>14</sup>.

*Helicina chiappensis* (sic), Reeve, Conch. Icon. xix., *Helicina*, t. 13. fig. 110<sup>15</sup>.

Var. *Helicina lindeni*, Pfr. in P. Z. S. 1848, p. 123<sup>16</sup>; Martini & Chemnitz, Syst. Conch.-Cab. ed. 2, *Helicina*, no. 67, p. 52, t. 8. figg. 25, 26 (not good)<sup>17</sup>; Monogr. Pneum. Vivent. i. p. 388<sup>18</sup>; Gray, Cat. Phaneropn. p. 282<sup>19</sup>; Sow. Thes. Conch. iii. t. 272. figg. 258-260 (not t. 273. fig. 270, nor t. 278. fig. 409, nor the description)<sup>20</sup>; Tristr. P. Z. S. 1861, p. 233<sup>21</sup>; Reeve, Conch. Icon. xix., *Helicina*, t. 13. fig. 112<sup>22</sup>; Angas, P. Z. S. 1879, p. 484<sup>23</sup>.

*Hab.* CENTRAL MEXICO: Sayula in Jalisco, Irapuato near Guanajuato (*Höge*).

E. MEXICO: Soledad, between Cordova and Orizaba (banded specimens) (*Höge*); Mexico, without nearer indication of locality<sup>5 14 15 20 22</sup> (*H. tenuis*, var.  $\beta$ ; *Pfeiffer*<sup>4</sup>).

S.E. MEXICO: Chiapas (*Ghiesbreght*<sup>12 13</sup>) (normal and variegated specimens); Teapa and San Juan Bautista in Tabasco (*Höge*, *H. H. Smith*); Tapinapa (*Linden*<sup>16 18 19</sup>).

YUCATAN<sup>4 5</sup> (*coll. Cuming*<sup>2</sup>).

N. GUATEMALA: Province of Peten<sup>7 8 9</sup>, in the woods (*Morelet*<sup>6</sup>); dense forests of Cubilguitz, valley of the River de la Pasion (*Champion*); Coban (*Salvin*<sup>11</sup>); San Gerónimo and the neighbouring mountains in Vera Paz (*Salvin*<sup>21</sup>); Panzos, Chacoj, and San Juan, all in the valley of the Polochic River, Purula (*Champion*); Guatemala<sup>10</sup>.

S. GUATEMALA: Totonicapam Mountains 8500 to 10,500 feet (small variety); El Reposo 800 feet, Las Mercedes 3000 feet, Cerro Zunil 4000 feet, San Isidro 1600 feet, all on the Pacific slope; Zapote, on the slope of the Volcan de Fuego (*Champion*).

\* This belongs to the genus *Trochatella*.