

B. *Anterior tibiæ quadridentate.*8. **Phileurus didymus.**

Scarabæus didymus, Linn. Syst. Nat. i. 2, p. 545; Oliv. Ent. i. 3, p. 42, t. 2. fig. 9.

Phileurus didymus, Burm. Handb. der Ent. v. p. 158.

Phileurus bajulus, Casteln. Hist. Nat. Ins. Col. ii. p. 116 (nec Perty).

Phileurus affinis, Reiche, Ann. Soc. Ent. Fr. 1859, p. 12 (nec Burm.).

Hab. MEXICO, Cordova (*Sallé, Höge*), Toxpam (*Sallé*), Jalapa, Tapachula in Chiapas (*Höge*), Temax in North Yucatan (*Gaumer*); GUATEMALA, Cerro Zunil (*Champion*); NICARAGUA, Chontales (*Belt, Janson*); COSTA RICA (*Van Patten*); PANAMA, Volcan de Chiriqui 2000 to 3000 feet (*Champion*).

Varies in size from 28 to 50 millim. The thoracic tubercle on the fore margin followed by a broad depression, from which commences the dorsal sulcus, are constant characters in all the examples; but the quadridentate anterior tibiæ is subject to exceptions, as the upper tooth is sometimes scarcely perceptible, or disappears altogether. The tridentate *P. affinis*, Burm., which is reunited by Reiche and Gemminger and Harold as a var. to *P. didymus*, is, however, probably a distinct species, as it differs in the absence of the broad pit behind the thoracic tubercle, whilst the *P. affinis* described by Reiche as distinct is clearly the same as *P. didymus*, the absence of a scutellar striole, adduced as the sole character, being of common occurrence in the species.

9. **Phileurus microps.**

Phileurus microps, Burm. Handb. der Ent. v. p. 161¹.

Hab. MEXICO¹ (*Sallé, ex coll. Sturm*).

A single example from Sturm's collection, agreeing very well with Burmeister's description.

10. **Phileurus valgus.**

Scarabæus valgus, Linn. Syst. Nat. i. (2) p. 546; Oliv. Ent. i. 3, p. 43, t. 17. fig. 160.

Phileurus valgus, Burm. Handb. der Ent. v. p. 160¹; Horn, Trans. Am. Ent. Soc. viii. p. 147 (1880)².

Phileurus castaneus, Haldem. Proc. Ac. Phil. i. p. 304.

Hab. NORTH AMERICA, Texas².—MEXICO, Jalapa (*Höge*), Temax in North Yucatan (*Gaumer*); GUATEMALA, El Reposo (*Champion*).—SOUTH AMERICA, Colombia to S. Brazil¹; West Indies¹.

Var. *P. capra* (Dej., coll. *Sallé*). Major (28 millim.), tibiis 4 posticis extus medio fortius denticulatis spinisque apicalibus longioribus, elytrorumque interstitiis haud alternatim elevatis.

Hab. GUATEMALA, Yzabal (*Sallé*).

The largest examples of this species are distinguished from the smallest of *P. didymus*,