

Thorax dorso antice tuberculis duobus porrectis elongatis compressis, fere bispinoso. Tibiæ anticæ elongatæ, apice intus truncatæ, penicillatæ.

♀. Caput punctato-rugosum; clypeo late triangulari bidentato; fronte carinata, vertice (sicut in ♀ *O. rhinolopho*) cornubus duobus erectis, basi haud carinata. Thorax dorso antice tuberculis duobus minoribus compressis.

Long. $7\frac{1}{2}$ –9 millim.

Hab. COSTA RICA (*Van Patten*); PANAMA, Bugaba (*Champion*).

A transition form between the groups *O. rhinolophus* and *O. sharpi*; but more nearly allied to the former, from the species of which it differs only in the horns of the vertex being reduced to very short conical tubercles; and the thoracic tubercles, in compensation, being greatly lengthened, so that they appear, viewed from above, like two spines projecting much beyond the hind margin of the head. It is just possible that a more developed form of the male exists, having posterior cephalic horns, but there is none such in the fine series collected by Van Patten.

We figure a pair from Costa Rica.

11. *Onthophagus sharpi*. (Tab. V. figg. 11, ♂; 11a, side view of head and thorax; 12, ♀.)

Onthophagus sharpi, Harold, Col. Hefte, xiv. p. 138¹.

Hab. NICARAGUA, Chontales (*Belt*); PANAMA¹ (*Boucard*), Bugaba, Caldera in Chiriqui (*Champion*).

Belongs to a subgroup (including the four following species) in which the males have a clypeal horn similar to that of *O. rhinolophus* and its allies, but no trace of horn on the vertex. *O. sharpi* is deep glossy-black, with very scant punctuation. The male presents similar gradations in the development of the horn to those described under *O. belorhinus*.

In the Sallé collection is a female example (from Santecomapan, Mexico) very similar to *O. sharpi* in form and sculpture, but different in its rich metallic coloration, the elytra being violet-black, the head and thorax golden-coppery, and the sternum and femora brilliant æneous. It would not be safe, in the absence of male examples, to describe this as a separate species.

We figure a pair from Bugaba. In rotten fruits and at sap (*Champion*).

12. *Onthophagus rostratus*.

Onthophagus rostratus, Harold, Ann. Soc. Ent. Fr. 1869, p. 511¹.

Hab. MEXICO, Cuernavaca (*Boucard*¹, in coll. Sallé).

13. *Onthophagus tapirus*. (Tab. V. figg. 10, ♂; 10a, side view of head and thorax.)

Onthophagus tapirus, Sharp, Journ. Linn. Soc., Zool. xiii. p. 130 (♂ ♀)¹.

Hab. NICARAGUA, Chontales (*Belt*¹).