

Genus *Simorhynchotus* (*Simorhynchus*,¹ Claus, 1871).

1871. *Simorhynchus*, Claus, Unters. über den Bau und die Verw. der Hyperiden. Nachrichten der K. Gött. Soc., p. 156.
1879. „ Claus, Die Gattungen und Arten der Platysceliden, pp. 32, 42.
1886. „ Gerstaecker, Bronn's Klassen und Ordnungen, Bd. v. Abth. ii. p. 486.
1887. „ Bovallius, Systematical List of Amph. Hyper., Bihang till K. Svensk. Vetensk.-Akad. Handl., Bd. 11, No. 16, p. 34.
1887. „ Claus, Die Platysceliden, pp. 56, 65.

For the shorter definition of this genus by Claus, see Note on Claus, 1879 (p. 493). The following is based upon the fuller account which he also gives both in 1879 and 1887:—

Upper Antennæ with four-jointed flagellum, the first joint very large, the others narrow.

Lower Antennæ.—The first free joint (in the male) curved, much shorter than any of the three following joints, which are long and linear, the terminal joint short.

Mandibles with three-jointed palp (in the male).²

Maxillæ degraded.

Maxillipeds with small inner plate and large outer plates.

First Gnathopods simple; *Second Gnathopods* tending to a subchelate form.

Third Peræopods longer than the *Fourth*, both pairs with expanded first joint.

Fifth Peræopods with expanded first joint, the remaining joints present but feeble.

Branchial Vesicles large, with accessory lateral compartments.

Uropods of the *Second* and *Third* pairs having the inner ramus coalesced with the peduncle, the outer movable, finger-like.

Claus states that the ganglia in the ventral chain (which he figures) are very closely set, with short longitudinal commissures; that the hepatic tubes (which he also figures) are broad, with secondary bulgings; and that the heart (Rückengefäss) is very wide. His description of the rodent-like head must no longer be included in the generic account, since Bovallius describes a species, "*Simorhynchus Lilljeborgi*," with "Head rounded, not rostrate."

Simorhynchotus antennarius (Claus) (Pl. CC.).

1871. *Simorhynchus antennarius*, Claus, Untersuch. über den Bau und die Verwandtschaft der Hyperiden, Nachrichten K. Gött. Soc., p. 156.
1879. „ „ Claus, Die Gattungen und Arten der Platysceliden, p. 43.
1887. „ „ Bovallius, Systematical List of Amph. Hyper., Bihang till K. Svensk. Vetensk.-Akad. Handl., Bd. 11, No. 16, p. 34.
1887. „ „ Claus, Die Platysceliden, p. 65, Taf. xvii. figs. 9-19.

Head broad, produced a little in front, as if into a short blunt snout; the back broad, the segments of the peræon together not so long as the first three of the pleon; the

¹ *Simorhynchus*, being preoccupied among birds (see Scudder, Nomenc. Zool., p. 292), has been changed into *Simorhynchotus*.

² Claus says "Mandibular-palp short, basal joint only a little longer than the following joints," whereas in the Challenger specimen the palp is relatively long, and its basal joint considerably longer than the second joint.