

*Lower Antennæ* with the peduncle elongate.

*First* and *Second Gnathopods* alike in form, the wrist cup-like, the hand ovate, robust.

*Uropods* biramous; in the first and second pairs the outer ramus generally shorter than the inner.

*Telson* elongate, more or less cleft, but sometimes to a very small depth.

The first pair of side-plates larger than the second.

Genus *Rhachotropis*, S. I. Smith, 1883.

1883. *Rhachotropis*, Smith, Proc. U.S. Nat. Mus., pp. 222, 229.

1884. *Tritropis*, Schneider, Crust. og Pycn. Kvænangsfjorden, p. 108.

1887. „ Hansen, Oversigt over de paa Dijnphna-Togtet inds. Krebsdyr.

S. I. Smith in 1883 substituted the name *Rhachotropis* for Boeck's *Tritropis*, that being preoccupied, but gave no fresh definition of the genus. Carus in 1885 makes *Tritropis*, Boeck, a synonym of "*Amphitonotus*, Costa," but of the three species he places under the genus so named one belongs to *Dexamine*, a second to *Atylus*, and the third is undescribed. For what may be regarded as the original definition of *Rhachotropis*, see Note on Boeck, 1870 (p. 400), genus *Tritropis*.

*Rhachotropis aculeatus* (Lepechin).

1780. *Oniscus aculeatus*, Lepechin, Acta Petrop., p. 247, tab. 8, fig. 1.

1824. *Talitrus Edwardsii*, Sabine, Appendix to Parry's Voyage of Discovery, p. 232, pl. ii. figs. 1-4.

1826. „ „ Ross, Appendix to Parry's Third Voyage, p. 119.

1828. „ „ Ross, App. to Narr. of an attempt to reach the North Pole, No. 15.

1835. *Amphithoë edwardsi*, Owen, Appendix to the Narr. of a Second Voy. in search of a North-west Passage, p. 90.

1846. „ *Edwardsii*, Krøyer, Naturh. Tidsskr., R. 2, Bd. ii. p. 76.

1862. *Amphithonotus Edwardsii*, Sp. Bate, Brit. Mus. Catal. Amph. Crust., p. 151, pl. xxviii. fig. 5.

1865. „ *aculeatus*, Goës, Crust. amph. maris Spetsb., p. 10.

1867. *Amphitonotus Edwardsii*, Packard, Mem. Bost. Soc. Nat. Hist., vol. i. p. 297.

1870. *Tritropis aculeata*, Boeck, Crust. amph. bor. et arct., p. 78.

1870. „ *Helleri*, Boeck, Crust. amph. bor. et arct., p. 79.

1874. *Amphithonotus aculeatus*, Buchholz, Die zweite Deutsche Nordpolarfahrt, ii. p. 316, Taf. iv.

1876. *Tritropis aculeata*, Boeck, De Skand. og Arkt. Amph., p. 511.

1876. „ *Helleri*, Boeck, De Skand. og Arkt. Amph., p. 513.

1883. *Rhachotropis aculeata*, S. I. Smith, Proc. U.S. Nat. Mus., pp. 222, 229.

According to Buchholz, who has given figures and a description, which clearly agree with the Challenger specimens, the form which Boeck has named *Tritropis helleri* is only the young of the older species, the absence of the carina from the earlier segments of the