

"The *mandibles* are small, rounded, with a molar tubercle, but without palp.

"The second pair of *maxillæ* consist of only one lamina.

"The first and second pairs of pereiopoda [*First and Second Gnathopods*] are cheliform, the following [five pairs of *Peræopods*] ending with a claw-shaped dactylus.

"The *uropoda* are very thick, the second pair wanting, the inner rami coalesced with the peduncles."

In the species, however, which have come under my examination, the mandibles are large as compared with the other mouth-organs, and by no means rounded, each has a denticulate cutting edge, the left mandible a denticulate secondary plate, the molar tubercle a long, straight edge set with cilia and minute spine-teeth. The integument of the back appears to be remarkably homogeneous, not as generally in the Gammarina much more flexible and less crustaceous at the folds between each segment, hence I feel some hesitation in adopting as a character of the genus the statement that the first two segments of the peræon are as a rule distinct. The line of coalescence between the two segments being in any case marked by a transverse ridge, a very slight crumpling of the integument behind this ridge would give the same effect of separation as that which in fact marks the division between the following segments.

Cystisoma spinosum, ♂ (J. C. Fabricius) (Pl. CLIV.). Specimen A.

1775. *Oniscus spinosus*, Fabricius, Systema Entomologiae, p. 298.
 1781. " " Fabricius, Species Insectorum, t. i. p. 377.
 1787. " " Fabricius, Mantissa Insectorum, t. i. p. 241.
 1788. " " Gmelin's Linnæi Systema Naturæ, t. i. pars v. p. 3010.
 1793. *Cymothoa spinosa*, Fabricius, Entom. Syst., t. ii. p. 508.
 1842. *Cystisoma Neptunus*, Guérin-Méneville, Revue zoologique, juillet 1842, p. 214, pl. i. fig. 1.
 1852. " " Dana, U.S. Explor. Exped., vol. xiii. pt. ii. p. 981, note.
 1862. *Cystosoma Neptuni*, Spence Bate, Brit. Mus. Catal. Amph. Crust., p. 311, pl. 1. fig. 7.
 1873. *Thaumops pellucida*, v. Willemoes Suhm, Proc. Roy. Soc. Lond., vol. xxi. p. 206.
 1874. " " v. Willemoes Suhm, Phil. Trans. Roy. Soc. Lond., vol. clxiii. pp. 629, 637, pls. xlix., 1.
 1874. *Cystosoma neptuni*, v. Willemoes Suhm, Nature, vol. ix. p. 182.
 1875. *Cystisoma Neptunus*, v. Willemoes Suhm, Trans. Linn. Soc. Lond., ser. 2, vol. i. pt. i. p. 24, pl. xi. figs. 4-8.
 1876. " " v. Willemoes Suhm, Proc. Roy. Soc. Lond., vol. xxiv. p. 570,
 1877. *Cystosoma neptuni*, Wyville Thomson, The Atlantic, vol. i. p. 129.
 1879. " " Pagenstecher, Sammlung gem. wissensch. Vorträge, ser. xiv. Hft. 315, 316, p. 39.
 1884. *Thaumops pellucida*, Kingsley, The Standard Natural History, vol. ii. fig. 99.
 1884. *Cystosoma neptuni*, Kingsley, The Standard Natural History, vol. ii. fig. 101.
 1886. *Thaumtops Neptunus*, Bovallius, Bihang till K. Svensk. Vetensk. Akad. Handl., Bd. 11, No. 9, p. 6.