

1775. FABRICIUS, JOHANN CHRISTIAN, born 1742, died 1807 (Biographie Universelle), born 1745, died 1808 (Enc. Brit., 9th Ed.), or died 1810 (see Hagen).

Systema Entomologiæ, sistens Insectorum Classes, Ordines, Genera, Species, adjectis synonymis, locis, descriptionibus, observationibus. Flensburgi et Lipsiæ, 1775.

In the Prolegomena, after commenting on the confusion which had prevailed in entomology before, and even since, the labours of "the immortal Linné," he says, "Novam ideo viam tentabo, characteres et classium et generum ex instrumentis cibariis desumens. Præbent sane sufficientes, præbent constantes et genera multo naturaliora." He proceeds to describe in general the labia upper and lower, the maxillæ upper and lower, the palpi, 2, 4, or 6, the lingua spiralis, the rostrum, proboscis, and haustellum. Specific differences he takes from colours (coactus) against his better judgment. The classes of insects are eight, "Os maxillis palpisque quatuor aut sex." They are named Eleuterata, Ulonata, Synistata, Agonata, Unogata, Glossata, Ryngota, Antliata. The Agonata are defined "Os palpis quatuor, aut sex. Maxilla inferior nulla." This class includes *Scorpio*, *Cancer*, *Pagurus*, *Scyllarus*, *Astacus*, *Gammarus*. Among the definitions of these are "125. CANCER. Palpi quatuor os obtegentes. Antennæ quatuor filiformes; posticis articulo ultimo bifido," and "129. GAMMARUS." "Antennæ quatuor simplicissimæ, sessiles: anticæ breviores, subulatæ, posticæ setacæ." This latter contains the species *Gammarus locusta*, *Gammarus pulex*, *Gammarus linearis*, *Gammarus salinus*, *Gammarus stagnalis*, of which the first three correspond respectively to the numbers 82, 81, 83 of the Systema Naturæ, ed. xii., the remaining two not belonging to the Amphipoda. It should be remembered that the name *Gammarus*, which had hitherto been a specific name among Stalk-eyed Crustacea, now becomes a generic name among the sessile-eyed.

Among the Synistata, "Os palpis quatuor. Maxilla inferior connata cum labio," on page 296, is given a definition of *Oniscus*:—"93. ONISCUS. Labium quadrifidum: laciniis intermediis palpigeris. Antennæ setacæ." Among the *Onisci*, descriptions referring to Amphipoda (of *Gammarina* 1, *Hyperina* 3, *Caprellina* 1) are given as follows:—

"2 *caudatus*. 9. O. semicylindricus, caudis duabus longitudine corporis, *Linn. Syst. Nat.* II. 1060. 8. *Fn. Sv.* 2062. Habitat in Oceano Norwegico.

"*spinus*. 13. O. oblongus, corpore spinoso, pellucido.

"Habitat in Oceano Atlantico. *Mus. Dom. Banks.*

"Corpus medium, gelatinoso-membranaceum, pellucidum. Caput magnum, rotundatum, obtusum, marginibus spinulosis. Oculi maximi, contigui. Antennæ duæ simplices, setacæ. Segmenta corporis undecim sensim angustiora, carinata, carina spinulosa. Abdomen subtus foliolis sex ovatis obtegentibus. Cauda brevis, foliolis quatuor bifidis. Pedum septem paria, 1. 2. brevia, chelata, approximata, 3. 4. 5. 6. longiora, angulata, angulis spinulosis, articulo ultimo subulato, simplici, 7. breve, articulo ultimo clavato unguiculato.

"*gibbosus*. 14. O. oblongus, gibbus, antennis plicatis, longissimis.

"Habitat in Oceano Lusitanico. *Fig. pict. in Mus. Bankiano.*

"Corpus parvum, glabrum, læve, flavescens, punctis fuscis irroratum. Caput crassum, obtusum, oculis duobus maximis approximatis, macula magna viridi. Antennæ duæ setacæ, sub corpore inflexæ et plicatæ, corpore triplo longiores. Thorax gibbus, segmentis septem, primo brevissimo. Abdomen segmentis quatuor. Cauda foliolis tribus, acuminatis, fissis. Pedes 14, intermediis sublongioribus.

"*quadricornis*. 15. O. oblongus, stylis caudalibus senis, antennis quaternis. Habitat in mari Atlantico. *Mus. Banks.*

"Corpus parvum, gibbum, glabrum. Caput retusum. Oculi maximi, macula magna lunata,