

been anticipated, when it is remembered that they are both original, and taken by different draughtsmen; and they unquestionably represent the same species."

Mayer decides, in regard to the species here given by Johnston, that his *Caprella phasma* and *Caprella acanthifera* are alike *Protella phasma*, Montagu, his *Caprella pennantii* is *Caprella acutifrons*, Latreille, his *Caprella linearis* is rightly named, while his two varieties of *Proto pedatus* both belong to *Proto ventricosa*, O. F. M., the hands in variety 2. having become wrinkled after death. Johnston's figure of this variety, it may be observed, shows the marsupial plates of a female specimen.

1835-1841. KOCH, CARL LUDWIG, died 1857 (Hagen).

1847. Deutschlands Crustaceen, Myriapoden u. Arachniden. Ein Beitrag zur deutschen Fauna. Herausgeg. von Herrich-Schäffer. Regensburg 1835-1841. Heft 36.

Zusammenstellung der in Koch's "Deutschlands Crustaceen, Myriapoden und Arachniden," daneben so in "Deutschlands Insecten von Dr Panzer und Herrich-Schäffer," vorkommenden Crustaceen, 1847.

Of these works I have only seen portions, and therefore quote the titles and dates as given in Boeck's list. Apparently with a special view to the confusion of Bibliographers, Koch's work was issued in loose leaves. For each species there is a separate plate measuring about five inches in breadth by four in depth, and a separate leaf of description, six and a quarter inches broad by four in depth. A series of these in a loose paper cover forms a *Heft*. On the outside of this cover is the table of contents and the date. The date of the 162d Heft is "Den 1. Oktober 1838." The number of the Heft is repeated on each leaf, and the synonymy invariably gives a reference to "Koch Dtschl. Crust. Myr. u. Arachn.," with a different numbering; thus in Heft 138, the references are to h. 5; in 162, to h. 22; in 180 to h. 34; in 186 to h. 36. Mr. G. K. Fortescue of the British Museum tells me, on the authority of Hinrichs, that Heft 36 was published in 1841. Hagen, *Bibl. Ent.* ii. 27, states that Georg Wolfgang Franz Panzer (born 1755, died 1829), began his "Faunæ Insectorum Germaniæ initia" in 1793; that Heft 109, the last by Panzer, appeared before 1813; that after a long interval Heft 110 was published by Maler Geyer at Augsburg, and that the continuation was by Gtli. Aug. Willh. Herrich-Schaeffer (born 1799), the title of his work being "Die Fortsetzung von Panzer Faunæ insectorum Germaniæ initia Regensburg, (Manz), 1829-1844. 8. Heft. 111-190. à 24 tab. col."

Mr. Edward Saunders, the well-known entomologist, informs me that Engelmann, *Bibl. Hist. Nat.* 1846, quotes the titles thus:—

"Koch, C. L. Deutschlands Crustaceen, Myriapoden, u. Arachniden. Ein Beitrag zur deutschen Fauna, Herausgeg. von (G. A. W.) Herrich Schäffer. 1-40 Heft (Jedes mit 24 lith. u. illum. Abbildgn. u. à 24 Bl. Text) qu. 16. Regensburg, 1835-1841 (Manz)."

"Panzer, G. W. F. dan. Fortsetz. von G. A. W. Herrich Schäffer. 111-190. Hft. Jedes mit 24 illum. Kpfrn (u. zusamm. 1592 Bl. Text) 16. Regensburg, 1829-1844 (Manz)."

From the latter work Mr. Saunders sends me the following synonymy:—

"*Gammarus fossarum* Koch

Panz. Faun. Germ. (H. Schff.) 138. 1.

Koch. Deutsch. Crust. Myr. u. Arach. 5. 1.

"*Gammarus puteanus* Koch

Panz. Faun. Germ. (H. Schff.) 138. 2.

Koch. Deutsch. Crust. Myr. u. Arach. 5. 2.