

STUDIES IN AUSTRALIAN CRUSTACEA.

No. 2*.

By ALLAN R. McCULLOCH, Zoologist.

(Plates lxxxviii.-lxxxix., and figs. 16, 17.)

CÆNOBITA SPINOSUS, *M. Edwards.*

(Plate lxxxviii., figs. 1-2.)

Pagurus clypeatus, Olivier, *Encycl. Meth. Ins.*, viii., 1812, p. 643, pl. cccxi., fig. 1 (*nec. Cancer clypeatus*, auct.).

Cænobita spinosa, M. Edw., *Hist. Nat. Crust.*, ii., 1837, p. 242. *Id.* Ortmann, *Zool. Jahrb. Syst.*, vi., 1892, p. 318, pl. xii., fig. 24.

Cænobita olivieri, Owen, *Zool. "Blossom,"* 1839, p. 84. *Id.* Dana, *U.S. Expl. Expd., Crust.*, pt. i., 1852, p. 470. *Id.* Heller, *Reise Novara, Crust.*, 1865, p. 82. *Id.* Haswell, *Cat. Austr. Crust.*, 1882, p. 160.

Cænobita brunnea, Dana, *loc. cit.*, p. 470, pl. xxix., fig. 10. *Id.* Haswell, *loc. cit.*, p. 161.

Birgus hirsutus, Hess, *Arch. Nat.*, xxxi., 1865, p. 36, pl. vii., fig. 16.

? *Cænobita perlata*, var. *affinis*, Miers, *Ann. Mag. Nat. Hist.*, (5), v., 1880, p. 372, pl. xiv., fig. 8 (*vide* Ortmann).

Obs.—Ortmann has included under the heading of *C. spinosus* a variety differing from the typical form in having the dactyli of the third left legs less slender, and flattened externally. Following Dana, he determined this variety as *C. olivieri*, Owen, but a reference to the original description and Olivier's figure of that species shows that it has the dactyli rounded and spiny as in the typical *C. spinosus*, and the name therefore cannot be applied to those in which they are smooth and flattened. I therefore propose the new name *variabilis* for the variety in which the two last joints of the third left legs are smooth and flattened externally, and the hand of the larger cheliped is nearly smooth, and with an oblique row of larger granules on its upper exterior surface.

* For No. 1, see p. 51.