

An adult male measures as follows :—

Adult ♂.	Lines.	Millims.
Length of carapace,	6½	13·5
Breadth of carapace,	5½	11·5

This species nearly resembles the following, but may always be distinguished by the smooth, not granulated, dorsal surface of the carapace.

Myctiris platycheles, Milne Edwards.

- Myctiris platycheles*, Milne Edwards, Ann. d. Sci. Nat., tom. cit., p. 154, 1852.
 " " Targioni-Tozzetti, Crostacei del Viaggio della Magenta, p. 186, pl. xi.
 fig. 6, a-e, 1877.
 " " Haswell, tom. cit., p. 117, 1882 (*Mycteris*).
 " *subverrucatus*, White, List Crust. Brit. Mus. p. 34, 1847; *descript. nullâ*.
 " " Kinahan, Journ. Roy. Dublin Soc., vol. i. p. 123, 1858.

New South Wales, Botany Bay (beach). A good series of specimens.

Adult ♂.	Lines.	Millims.
Length of carapace,	8	17
Breadth of carapace, nearly	7	14

Subfamily 3. HYMENOSOMINÆ.

Hymenosoma, Leach.

- Hymenosoma*, Leach (*ined.* ?), Desmarest, Consid. sur les Crust., p. 163, 1825.
 " Milne Edwards, Hist. Nat. Crust., vol. ii. p. 35, 1837; Ann. d. Sci. Nat., ser. 3,
 Zool., vol. xx. p. 222, 1853.

Carapace dorsally flattened, and rounded on the posterior and lateral margins, which are defined by a granulated line or ridge, which is not dentated, as in *Halicarcinus*; beneath this line the carapace usually slopes outwards obliquely to the bases of the ambulatory legs. The front is simple, triangulate, and nearly horizontal; the hepatic region is tuberculated. There is a distinct postocular spine or tooth. Scarcely any trace exists of an epistoma, or of longitudinal ridges on the endostome. The post-abdomen of the male is very narrow, and is six-jointed, and its base barely occupies the whole width of the sternum between the last ambulatory legs; the sternum is large and circular. The eye-peduncles are short; the antennular fossettes are not separated from the orbits; the antennæ are somewhat elongated, and their basal joint is very short. The exterior maxillipedes are not arcuated, and have the ischium and merus-joints well developed, the merus usually obliquely truncated, and bearing the following joint near its antero-external angle, at the distal extremity. The chelipedes in the adult male are