

third pair, had numerous marginal spines; the coupling spines are long and slender, with a sharp apical pair of retroverted hooks, another slender pair just below, and a little further down two more hooks unsymmetrically placed; the cleft spines were observed to be five in a series on the first pair, four on the third, with long unequal arms, the inner margin of the longer arm distinctly serrate; the joints of the rami number from twelve to fourteen; the outer ramus is perhaps slightly the longer.

*The Telson* is long and narrow, deeply cleft, the outer lateral margins converging, but the apices being broken it could not be determined what acuteness was attained.

*The Uropods* were all broken.

*Length*.—The specimen, in the position figured, measured, in a straight line from the rostrum to the extremity of the broken telson, three-tenths of an inch.

*Locality*.—Station 149H, off Cumberland Bay, Kerguelen Island, January 29, 1874; depth, 127 fathoms; bottom, volcanic mud. Two specimens. One of the specimens was certainly a female, as the marsupial plates were present. From this the figures marked A in the Plate were taken; the remainder from the other specimen.

*Remarks*.—The specific name refers to the ornamentation of the pleon.

In the imperfect state of the specimens the genus must remain to a certain extent doubtful, but there is sufficient likeness between this species, so far as it can be made out, and *Hela monstrosa*, Boeck, to justify their being, at least provisionally, placed side by side. Boeck says of his species that the mandibular palp is short, and that the spine-row consists of two spines.

#### Family LYSIANASSIDÆ (see p. 606).

##### Genus *Kerguelenia*, n. gen.

*Mandibles* with the long three-jointed palp attached to the extreme front of the trunk; cutting plates, spine-row, and molar tubercle wanting.

*First Maxillæ*.—The inner plate apparently rudimentary or wanting; the outer plate carrying five short spines; the palp broad, two-jointed.

*Maxillipeds*.—The inner and outer plates small, the palp four-jointed, very long and slender.

*Lower Antennæ*.—The third joint of the peduncle as long as the fourth.

*First and Second Gnathopods* slender, having the second joint and wrist elongate; the first gnathopods neither chelate nor subchelate; the second gnathopods minutely chelate.

The *Third Peræopods* with the first joint scarcely expanded; the *Fourth* and *Fifth Peræopods* with that joint expanded widely.