

genus *Lemniscus* be distinct from *Cestum* or not, the species upon which it is founded certainly differs from the species of *Cestum* thus far described; so that this family already numbers five species, including that alluded to, but not described, by Mertens.

3d Sub-order. SACCATÆ *Ag.* — Callianiridæ *Esch.*

1st Family. MERTENSIDÆ *Ag.* 1860, p. 196. — Cydippidæ *Esch.*

Mertensia *Less.* 1843 (not *Gegenb.*).

M. Cucullus *Ag.* — *Beroe Cucullus* *Mol.* — *Cydippe Cucullus* *Esch.* — *Mertensia Scoresbyi* *Less.* — *Beroe Pileus* *Scor.*, nec *Fabr.* nec *Müll.* — *Cydippe Cucumis* *Less.* (The synonymes of Lesson are all wrong). — *Beroe Ovum* *Fabr.* (*Cydippe Ovum* *Esch.*). — *Arctic Ocean* (Martens and Scoresby). — *Baffin's Bay* (Fabricius).

M. compressa *Less.* — *Beroe compressa* *Mert.* — *Bay of the Holy Cross, mouth of the Anadyr* (Mertens).

Martensia *Agass.* 1860, p. 198.

M. octoptera *Ag.* — *Beroe octoptera* *Mert.* — *Janira octoptera* *Less.* — *Coast of Chili: Bay of Concepcion and of Valparaiso* (Mertens); *Behring Strait, near the Bay of St. Lawrence* (Mertens).¹

Gegenbauria *Agass.* 1860, p. 198.

G. cordata *Ag.* — *Eschscholtzia cordata* *Köll.* — *Callianira diploptera Delle Ch.* — *Mediterranean: Bay of Naples* (Delle Chiaje); *Messina* (Kölliker and Gegenbaur).

Owenia *Köll.* 1853. — *Mertensia* *Gegenb.* 1856.

O. rubra *Köll.* — *O. filigera* *Köll.* — *Mediterranean: Messina* (Kölliker).

2d Family. CYDIPPIDÆ *Gegenb.* (restricted). — Callianiridæ *Esch.* (partly).

Pleurobrachia *Flem.* 1828. — *Cydippe* *Esch.* 1829.

Pl. Pileus *Fl.* — *Beroe Pileus* *Müll.* — *Cydippe Pileus* *Esch.* — *Cydippe Flemingii* *Forb.* — *Beroe ovatus* *Lmk.* — *Cydippe ovatus* *Less.* — *Cydippe pomiformis* *Pull.* — *Beroe infundibulum* *Müll.* — *Cydippe infundibulum* *Esch.* — *Beroe Mülleri* *Less.* — *Cydippe lagena* *Forbes.* — *Beroe hexagona* *Mol.* — *Callianira hexagona* *Esch.* — *Janira hexagona* *Oken.* — *Beroe Santonum* *Less.* — *Europe: Holland* (Slabber); *German Ocean* (Müller); *Scotland* (Flem-

¹ Although the paper of Mertens gives the coast of Chili and Behring Strait as the home of this species, I suspect, that, in the arrangement of his manuscript, which was printed after his death, the editor may have confounded the memoranda relating

to *Beroe* (*Martensia*) *octoptera* with those relating to *Beroe* (*Mertensia*) *compressa*, which is truly an arctic species; for it is hardly credible that the same species should occur in the waters of Behring Strait and on the coast of Chili.