

A series of temperature soundings were taken after the dredge came up, with the following result :

Surface.....	20°·0 C.	900 fathoms.....	4°·7 C.
100 fathoms.....	17 ·0	1000 “	4 ·0
200 “	13 ·9	1100 “	3 ·5
300 “	11 ·2	1200 “	3 ·0
400 “	9 ·4	1300 “	2 ·5
500 “	7 ·7	1400 “	2 ·7
600 “	6 ·8	1500 “	2 ·0
700 “	6 ·0	2740 “	2 ·0
800 “	5 ·2		

On Sunday, the 23d, we continued our course, going before the N. E. trades at an average rate of seven knots an hour ; the

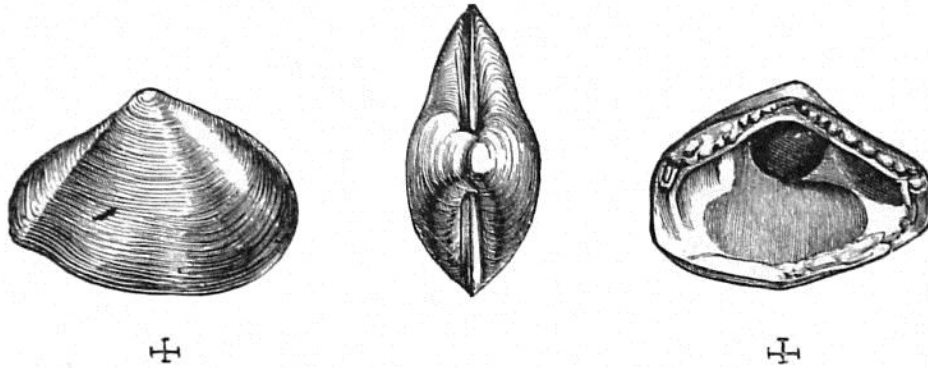


FIG. 41.—*Leda* (sp.). (No. 5.)

sky and the sea gloriously bright and blue as ever. Several flying-fish were observed, and many large examples of *Physalia*, although there was a good deal of surface motion. At 4 P.M. we shortened sail and sounded in 2950 fathoms with the “Hydra” machine and 3 cwt. The chamber of the “Hydra” contained a small quantity of reddish ooze with a few foraminifera. The corrected temperature at 2950 fathoms was 2° C.

The following day we sounded in 2750 fathoms, and found the bottom still more unpromising. It was of a decided brown color, and contained very few definite organisms, although it gave to a rough analysis a considerable quantity of carbonate of lime. The bottom temperature was 2° C., the temperature of the surface being 20° C.