

PLATE II.

Figures 1a-1m.—*Leptochiton benthus*, n. sp.

- Figure 1a. —Upper surface of first two valves $\times 6$ diam.
,, 1b. —Lower surface of first two valves $\times 6$ diam.
,, 1c. —Upper surface of last two valves $\times 6$ diam.
,, 1d. —Lower surface of last two valves $\times 6$ diam.
,, 1e. —Side view of first two valves $\times 12$ diam.
,, 1f. —Side view of last two valves $\times 12$ diam.
,, 1g. —Portion of jugum of an intermediate valve, magnified.
,, 1h. —Upper portion of a lateral area of the same, magnified.
,, 1j. —Portion of a pleuron of the same $\times 26$ diam.
,, 1k. —End view of an intermediate valve $\times 5$ diam.
,, 1l. —Under surface of entire animal $\times 6\frac{1}{2}$ diam.
,, 1m. —Terminal portion of same $\times 8$ diam.

Figures 2a-2d.—*Leptochiton belknapi*, Dall.

- Figure 2a. —Side view of whole animal $\times 6$ diam.
,, 2b. —End view of an intermediate valve $\times 6$ diam.
,, 2c. —Portion of a pleuron of an intermediate valve $\times 26$ diam.
,, 2d. —Spicules of the girdle, greatly magnified.

Figures 3a-3e.—*Leptochiton kerguelensis*, n. sp.

- Figure 3a. —Upper surface of anterior valve $\times 18$ diam.
,, 3b. —Upper surface of intermediate valve $\times 18$ diam.
,, 3c. —Upper surface of posterior valve $\times 18$ diam.
,, 3d. —End view of an intermediate valve $\times 10$ diam.
,, 3e. —Diagram of under surface of whole animal $\times 4$ diam.

Figures 4a-4l.—*Hemiarthrum setulosum*, Carp.

- Figure 4a. —Upper surface of first two valves $\times 7\frac{1}{2}$ diam., *i. pl.*, insertion plate.
,, 4b. —Under surface of first two valves $\times 7\frac{1}{2}$ diam.
,, 4c. —Upper surface of intermediate valve $\times 7\frac{1}{2}$ diam.
,, 4d. —Under surface of intermediate valve $\times 7\frac{1}{2}$ diam.
,, 4e. —Upper surface of posterior valve $\times 7\frac{1}{2}$ diam.
,, 4f. —Under surface of posterior valve $\times 7\frac{1}{2}$ diam., *i. pl.*, insertion plate.
,, 4g. —End view of an intermediate valve $\times 7\frac{1}{2}$ diam.
,, 4h. —Side view of central portion of animal $\times 7\frac{1}{2}$ diam.
,, 4j. —Diagrammatic transverse section of animal $\times 4$ diam.
,, 4k. —Under surface of whole animal $\times 3\frac{1}{2}$ diam.
,, 4l. —Terminal portion of same $\times 6$ diam.