DESCRIPTION OF PLATE VI.

Fig.

1. Branch of a *Gorgonia*, from the West Indies; p. 537.
2. *Fungia actiniformis*, from the South Pacific Ocean, as seen alive, and the polypes in activity; one-tenth the natural size; p. 545.
3. *Flustra pilosa;* a single cell, with the polypus protruding its tentacula; highly magnified; p. 522.
4. *Fungia rubra*, as it appears alive in the water; one-twelfth the natural size; from the Ladrone Islands; p. 545.
5. Branch of a *Gorgonia*, from the Mediterranean; p. 537.
6. A minute portion of a *Flustra*, highly magnified, to show the form and arrangement of the cells; p. 521.
7. A single detached polype of *Astrea viridis*, highly magnified; p. 546.
8. A group of living *Actinia*, or sea animal-flowers; Brighton; p. 542.
9. Polype of a *Flustra* retracted within its cell; p. 521.
10. Three connected tubes of *Sarcinula musicalis*, magnified, to show the internal structure; p. 540.
11. *Astrea viridis*, represented as alive in the sea; some of the polypes are expanded, and others contracted; p. 546.
12. *Sarcinula musicalis*, or organ-pipe coral; from the shores of New South Wales, as it appears in the water, with its beautiful green polypes protruded; p. 540.
13. *Pavonia lactuca;* a group of four cells, each cell containing a beautiful green polype; from the shores of the South Sea Islands; p. 546.