

EXPLANATION OF THE PLATES.

- PLATE I. Fig. 1. *Hydra vulgaris*, var. *b*, natural size : specimens from Yet-
holm Loch, Roxburghshire. Fig. 2. *H. vulgaris*, var. *a*, nat. size and
magnified.
- PLATE II. Fig. 1. *Coryne squamata*, nat. size and magnified. Fig. 2. *C.*
squamata, loaded with reproductive gemmules. Fig. 3. The same magni-
fied. Fig. 4. Variety of *C. squamata*, Fig. 5. The same magnified.
- PLATE III. Fig. 1. *Tubularia indivisa*, nat. size. Fig. 2. Head of the same
magnified. Fig. 3. *Tub. Larynx*, nat. size.
- PLATE IV. Fig. 1. *Hermia glandulosa*, var. nat. size. Fig. 2. The same
magnified. Fig. 3. *Tubularia Larynx*, var. nat. size. Fig. 4. The same
magnified. Fig. 5. Gemmules, magnified.
- PLATE V. Fig. 1. *Tubularia ramea*, nat. size. Fig. 2. A portion of the same
magnified. Fig. 3. *Tubularia Larynx*, var. nat. size. Fig. 4. A portion
of the same magnified.
- PLATE VI. Fig. 1. *Thoa halecina*, nat. size. Fig. 2. A small variety of the
same. Fig. 3. A piece of the stalk magnified. Fig. 4. A piece of the poly-
pidom magnified.
- PLATE VII. Fig. 1, 2. *Thoa Beanii*, nat. size and magnified. Fig. 3, 4. *Thoa*
muricata, from a specimen communicated by Mr Bean.
- PLATE VIII. Fig. 1. *Sertularia polyzonias*. Fig. 2. A variety of the same.
Fig. 3. The same magnified. Fig. 4, 5. *Sertularia rugosa*. Fig. 6. A creep-
ing var. of *Sert. rugosa*, magnified.
- PLATE IX. Fig. 1. *Sertularia rosacea*, of the nat. size. Fig. 2. A portion
magnified. Fig. 3, 4. *Sertularia pumila*. Fig. 5, 6. *Sertularia pinnata*.
- PLATE X. Fig. 1, 1.* *Sertularia abietina*, of the nat. size and magnified.
Fig. 2. *Sertularia tamarisca*. Fig. 3. A portion magnified. Fig. 4. The
ovarian vesicle, copied from Ellis.
- PLATE XI. Fig. 1, 1.* *Sertularia filicula*, nat. size and magnified. Fig. 2, 2.*
Sert. operculata. Fig. 3, 3.* *Sert. argentea*, var. in a young state.
- PLATE XII. Fig. 1. *Sertularia argentea*. Fig. 2. The same in its young state.
Fig. 3, 4. Portions of two different specimens of the same magnified, to
shew the variations of the cells.
- PLATE XIII. Fig. 1, 2. *Sertularia cupressina*, from a specimen presented to
me by J. V. Thompson, Esq.
- PLATE XIV. Fig. 1, 2. *Thuiaria thuja*, nat. size and magnified.
- PLATE XV. Fig. 1, 2. *Thuiaria thuja*, in its primary state. Fig. 3, 4. *Th. ar-*
ticulata, from a specimen in the collection of Mr Bean.
- PLATE XVI. *Antennularia antennina*. Fig. 2. represents the branched variety.