

EXPLANATION OF THE PLATES.

I am indebted to Professor Moseley for the drawings of *Hypobythius calycodes*, from which figures 1, 2 and 5 on Plate XXXVII. have been prepared. Figure 1 on Plate XVIII. is taken from a careful drawing executed for Mr. Murray by Mr. George West.

With the exception of these four, all the figures have been lithographed by Mr. Frederick Huth, jun., from my own drawings, supplemented, in the case of a few of the views of the external appearance, by the actual specimen represented.

It may be well to mention that some of the branchial sacs represented are "combination figures," formed of small portions from several different specimens pieced together. It was necessary to adopt this plan, in order to show the various important points of structure within the compass of a reasonably small figure.

With the exception of a few which are only slightly enlarged, all the magnified figures were drawn as seen by one of the following combinations, and are marked in the explanations with the number of the objective used:—

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| Hartnack, obj. 4, with medium ocular | = × 50 |
| Hartnack, obj. 5, ,, ,, | = × 180 |
| Hartnack, obj. 7, ,, ,, | = × 330 |
| Hartnack, obj. 10 (water immersion), | = × 750 |
| Zeiss, obj. $\frac{1}{2}$ (oil immersion), with ocular 4 | = × 950 |

LIST OF ABBREVIATIONS.

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| <p><i>a.</i> . . . the anus.</p> <p><i>at.</i> . . . the atrial aperture.</p> <p><i>at.n.</i> . . . the nerves arising from the atrial end of the ganglion.</p> <p><i>at.t.</i> . . . atrial tentacles.</p> <p><i>b.c.</i> . . . the blood corpuscles.</p> <p><i>bl.</i> . . . the bladder cells in the test.</p> <p><i>br.</i> . . . the branchial aperture.</p> <p><i>br.f.</i> . . . the longitudinal folds in the branchial sac.</p> <p><i>br.n.</i> . . . the nerves arising from the branchial end of the ganglion.</p> | | <p><i>cap.</i> . . . the capillaries.</p> <p><i>c.b.a.</i> . . . the central brown area in the endostyle.</p> <p><i>c.d.</i> . . . the connecting duct in the branchial sac.</p> <p><i>d.l.</i> . . . the dorsal lamina.</p> <p><i>d.t.</i> . . . the dorsal tubercle.</p> <p><i>e.l.</i> . . . the external longitudinal vessels in the branchial sac.</p> <p><i>en.</i> . . . the endostyle.</p> <p><i>f.</i> . . . fibres in the test.</p> <p><i>g.</i> . . . the hermaphrodite genital mass.</p> |
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