

## PLATE LXII.

### Explanation of the Letters.

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| <p><i>A.</i> Axial cord of the ray.<br/> <i>a'</i>. Its branches in the dorsal skeleton.<br/> <i>ad.</i> Its upward extensions into the plated perisome of the ventral side.<br/> <i>ae.</i> Ambulacral epithelium.<br/> <i>ai.</i> Primary interradial cords.<br/> <i>an.</i> Anambulacral plate.<br/> <i>B.</i> Basal.<br/> <i>b.</i> Radial blood-vessel.<br/> <i>c.</i> The bands of more or less calcified connective tissue in the body-cavity.<br/> <i>ca.</i> Fibrillar sheath round the vascular axis of the stem.<br/> <i>cco.</i> Interradial portion of the circular commissure.<br/> <i>ch.</i> Cavities of the chambered organ.<br/> <i>ch'</i>. Their downward prolongations into the stem.<br/> <i>chn.</i> The nodal enlargements of these peripheral vessels.<br/> <i>cv.</i> Cirrus-vessel.<br/> <i>D<sub>2</sub>, D<sub>5</sub>.</i> Second and fifth distichals.<br/> <i>fg.</i> Fore-gut.<br/> <i>G.</i> Gut.<br/> <i>g.</i> Its epithelial lining.<br/> <i>gv.</i> Genital vessel.<br/> <i>ib.</i> Intervisceral blood-vessel.</p> | <p><i>l.</i> Basiradial ligament.<br/> <i>ld.</i> Dorsal ligament between the ray-joints.<br/> <i>li.</i> Interarticular ligament.<br/> <i>lp.</i> Labial plexus.<br/> <i>M.</i> Mouth.<br/> <i>m.</i> Muscle.<br/> <i>n.</i> Ambulacral nerve.<br/> <i>nr.</i> Its oral ring.<br/> <i>ob.</i> Oral blood-vascular ring.<br/> <i>R<sub>1</sub>, R<sub>3</sub>.</i> First and third radials.<br/> <i>rc.</i> Rectum.<br/> <i>rp.</i> Plug of calcareous tissue within the radial funnel.<br/> <i>s.</i> Spinelets on the ambulacral plates.<br/> <i>stc.</i> Subtentacular canal.<br/> <i>sub.</i> Subambulacral plate.<br/> <i>sy.</i> Syzygy.<br/> <i>V.</i> Central vascular axis of stom.<br/> <i>W.</i> Radial water-vessel.<br/> <i>wp.</i> Water-pore.<br/> <i>wr.</i> Water-vascular ring.<br/> <i>wt.</i> Water-tube.<br/> <i>x.</i> Plexiform gland.<br/> <i>xv.</i> Its ventral end which joins the labial plexus.</p> |
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### *Explanation of the Colours.*

Black—The nervous system, both ambulacral and antambulacral.

Green—The water-vascular system.

Red—The blood-vascular system and the plexiform gland.

Diagrammatic longitudinal section of a *Pentacrinus decorus*. On the right side of the figure the section cuts the anal tube, and on the left side it passes along a ray and the base of an arm.