

PLATE LVIII.

The Lettering is the same in all the Figures.

ai. Primary interradial cords.
ar. The secondary (radial) cords.
B. Basal plate.
ic. Bands of connective tissue in the body-cavity.
ch. Cavities of the chambered organ.
ch'. Their downward prolongations into the stem
c. External epithelium.
fg. Fore-gut.
G. Gut.
ib. Interviseral blood-vessel.
L. Interradial ligament.

l. Basiradial ligament.
lb. Interbasal ligament.
ln. Limestone network in the perisome.
ls. Interarticular ligament of stem.
p. Pigment granules.
R' First radial.
re. Rectum.
rp. Plug of calcareous tissue within the radial funnel.
V. Central vascular axis of stem.
X. Plexiform gland.

Figs. 1-3. *PENTACRINUS DECORUS*, Wyv. Thoms.

	Diam.	Page
Fig. 1. Horizontal section through the lower part of the calyx, showing the bifurcation of the primary interradial cords (<i>ai</i>) in the basals,	x 40	124
Fig. 2. Horizontal section through the lower part of the radial pentagon, showing the upward extensions of the cavities of the chambered organ (<i>ch</i>),	x 40	105
Fig. 3. The central part of a median vertical section through the calyx, showing the chambered organ and its connection with the vascular axis of the stem,	x 40	104

Fig. 4. *PENTACRINUS NARESIANUS*, n. sp.

Fig. 4. Portion of a horizontal section of the disk, showing the position of the plexiform gland (<i>X</i>) between the fore-gut and the rectum,	x 30	101
--	------	-----

Figs. 5, 6. *PROMACHOCRINUS KERGUELENSIS*, n. sp.

Fig. 5. Portion of a horizontal section of the disk, showing the plexiform gland (<i>X</i>),	x 35	101
Fig. 6. A similar section nearer the calyx,	x 35	101