

1. *P. COCKSI*¹, n. sp. (Plate XI. figs. 151–153.)

Female, length $\frac{1}{4}$ " , breadth $\frac{1}{144}$ " .

External Characters.—Body tapering very gradually forwards, but narrowing quickly to a point behind, where it terminates in a well-developed sucker. Head narrow, rounded, provided with a circlet of 6–8 setæ; a few others scattered over anterior part of body. Integument hyaline, with an appearance of longitudinal markings $\frac{1}{12000}$ " apart.

Pharyngeal cavity indistinct. *Œsophagus* about $\frac{1}{5}$ th of total length, embraced by *ring* at termination of anterior third; having three rows of pigment, varying from orange-colour to olive-green, along its whole length; constrictions of posterior half at regular intervals, giving a crenated appearance to borders. *Intestine* well covered with a tessellation of hepatic particles. *Anus* $\frac{1}{43}$ " from posterior extremity. *Vulva* slightly posterior to middle of body. *Parietal glands* in œsophageal part of body very abundant. *Ocelli* two quite lateral, conical, bright-red pigment-masses. *Excretory ventral gland* opening by narrow duct, only $\frac{1}{250}$ " from anterior extremity, and terminating in a dilated extremity near the middle of œsophagus.

Male, length $\frac{1}{7}$ " , breadth $\frac{1}{312}$ " .

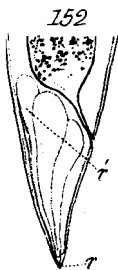
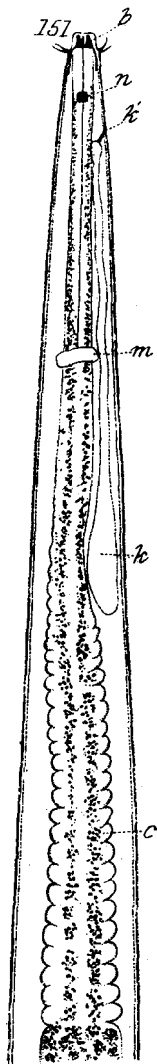
Anus $\frac{1}{200}$ " from posterior extremity. *Spicules* long, narrow, solitary; length $\frac{1}{125}$ " . *Supplementary organ* tubular, not very distinct, slightly curved, $\frac{1}{88}$ " in length, and situated $\frac{1}{88}$ " above anus.

Hab. About the roots of Corallines in tide-pools, Falmouth.

151. *Phanoderma Cocksi*, n. sp.; anterior extremity of female.

152. Posterior extremity of female.

153. Posterior extremity of male.



x 100

EXPLANATION OF PLATES.

The same letters refer to similar parts in all the figures.

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| <i>a.</i> Mouth. | <i>i.</i> Supplementary male organ. |
| <i>b.</i> Pharynx. | <i>k.</i> Abdominal gland. |
| <i>b'</i> . Pharyngeal teeth. | <i>k'</i> . Excretory orifice of same. |
| <i>b''</i> . Pharyngeal processes. | <i>l.</i> Floating gland-cells. |
| <i>c.</i> Œsophagus. | <i>m.</i> Œsophageal ring. |
| <i>c'</i> . Median swelling of same. | <i>n.</i> Ocellus. |
| <i>c''</i> . Terminal swelling of same. | <i>o.</i> Lateral canals. |
| <i>c'''</i> . Valvular apparatus of latter. | <i>p.</i> Integument. |
| <i>d.</i> Intestine. | <i>p'</i> . Cervical markings of same. |
| <i>d'</i> . Hepatic cells. | <i>q.</i> Cephalic papillæ. |
| <i>e.</i> Anus. | <i>r.</i> Caudal sucker. |
| <i>e'</i> . Anal glands. | <i>r'</i> . Sucker-tubes. |
| <i>f.</i> Vulva. | <i>s.</i> Genital papillæ or suckers. |
| <i>f'</i> . Vaginal glands. | <i>t.</i> Caudal ala of male. |
| <i>g.</i> Male spicules. | <i>t'</i> . Rays supporting same. |
| <i>g'</i> Accessory pieces. | <i>u.</i> Ovum. |
| <i>h.</i> Seminal tube. | <i>v.</i> Sperm-cell. |

Most of the figures are representations of the object drawn to a scale of 150:1, *i. e.* are representations magnified 150 diameters—the exceptions being figs. 126–128 and figs. 151–177, all of which are only magnified 100 diameters.

Unless stated to the contrary, the drawings represent the anterior and posterior extremities from a lateral aspect—the animal lying on its side.

Where transverse integumental striæ exist, they are only *represented* on the anterior extremity.