

6. *M. DISJUNCTA*, n. sp. (Plate IX. figs. 12, 13.)

*Male*, length  $\frac{1}{20}$ " , breadth  $\frac{1}{435}$ " .

*External Characters*.—Body tapering slightly anteriorly, and also gradually to a point posteriorly. Terminal sucker small; another large and prominent in the mid-ventral region,  $\frac{1}{1000}$ " from posterior extremity. Head rounded; no setæ. Integument plain, having a circular depression on each side of head  $\frac{1}{10000}$ " in diameter.

*Pharyngeal cavity* very small, conical. *Œsophagus* about  $\frac{1}{9}$ th of total length. *Intestine* having a sphincter with traces of a valvular apparatus occupying its commencement, which is devoid of granules; remaining portion covered by very large cells, apparently arranged in two rows. *Anus*  $\frac{1}{312}$ " from posterior extremity. *Genital duct* opening separately  $\frac{1}{2000}$ " above anus. *Spicules* at anal cleft, slightly curved,  $\frac{1}{666}$ " in length, with two (?) small triangular accessory pieces. *Spermatozoa* linear,  $\frac{1}{1000}$ " long, having slowly undulating movement.

*Female*, not seen.

*Hab.* Marine, in sand from tide-pool, Falmouth.



12. *Monhystera disjuncta*, n. sp.; anterior extremity of male.

13. Posterior extremity of male.

## 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.