

2. *C. NUDICAPITATA*, n. sp. (Plate XIII. figs. 230–232.)

Female, length $\frac{1}{3}$ ", breadth $\frac{1}{66}$ ".

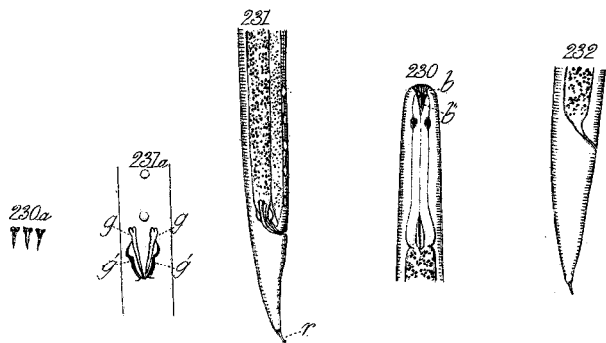
External Characters.—Body tapering very slightly forwards. Head rounded, naked. Integument with delicate transverse striæ, $\frac{1}{15000}$ " apart; longitudinal not recognized.

Pharyngeal cavity shallow and indistinct; apophyses $\frac{1}{2500}$ " long. *Œsophagus* about $\frac{1}{7}$ th of total length; rounded swelling at termination. *Intestine* sparingly covered with hepatic particles. *Anus* $\frac{1}{220}$ " from posterior extremity. *Vulva* slightly anterior to middle of body. *Ocelli* two, reddish brown, at $\frac{1}{1000}$ " from anterior extremity; occasionally one only, in middle line.

Male, length $\frac{1}{3}$ ", breadth $\frac{1}{835}$ ".

Anus $\frac{1}{330}$ " from posterior extremity. *Spicules* slightly curved, $\frac{1}{833}$ " long; *accessory pieces* narrow, and curved at inner extremities, about $\frac{1}{1200}$ " long. In *mid-ventral* region above anus, within the substance of the integument, are five disk-shaped, highly refractive bodies, about $\frac{1}{5000}$ " in diameter, whose distances apart gradually diminish anteriorly.

Hab. On small, stunted, greyish specimens of *Cladophora rupestris* from tide-pools near high-water mark, Falmouth.



230a. Three conical pharyngeal plates.

231. Posterior extremity of male.

231a. Portion of body, seen from ventral aspect, showing spicules and median integumental markings.

232. Posterior extremity of female.

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.