

PLATE XIII.

Figs. 1-4. *Regadrella phœnix*, O. Schmidt,

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Fig. 1. Fragment of the upper part, with sieve-plate, from a dried specimen; natural size.

Fig. 2. Hypodermal hexact;  $\times 20$ .

Fig. 3. Discohexaster;  $\times 450$ .

Fig. 4. Floricome;  $\times 450$ .

Figs. 5-7. *Euplectella crassistellata*, F. E. S.,

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Fig. 5. Section at right angles through the lateral wall of a fragment of *Euplectella crassistellata*, F. E. S., preserved in alcohol, with the soft parts;  $\times 100$ .

Fig. 6. Oxyhexaster with thick and long principal rays;  $\times 450$ .

Fig. 7. Inferior portion of an anchor-like diact, with hemispherical, rounded, six-toothed extremity;  $\times 300$ .