

Figure 1. Sponge; nat. size.

„ 2-22. Spicules—

Figs. 2, 3. Oxeas; × 40.  
 „ 4. Orthotriene; × 51.  
 „ 5. Calthrops; × 51.  
 „ 6. Microxea; × 51.  
 „ 7. Metaster; × 51.  
 „ 8-13. Metasters; × 360.  
 „ 14, 15. Spirasters; × 360.

Fig. 16. Modification of the orthotriene; × 51.  
 „ 17, 18. Reductions of the calthrops; × 51.  
 „ 19-21. Microxeas; × 292.  
 „ 22. Reduced calthrops, approaching an oxea; × 51.

- „ 23. Superficial tangential section through the ectosome, showing the irregularly branching subdermal cavities; × 18.
- „ 24. Tangential section through the endosome or hypophare; × 18.
- „ 25. Part of a section through the choanosome, showing one of the large problematical cells; × 430.
- „ 26. Transverse section through the sponge-plate; × 11.
- „ 27. Part of a section through the choanosome, showing the continuity of collencytes with choanocytes; × 360.
- „ 28. Two spongin bodies seated on a large oxea, one of them surrounding a second smaller oxea; × 292.
- „ 29. Part of a section through the choanosome, showing the eurypylous chambers, granule-cells, and a small example of the large problematical cells; × 180.

<sup>1</sup> It has been found necessary to change the generic name since the Plate was printed off.