

Figs. 1-22. *Chrotella macellata*,

Figure 1. Sponge; nat. size.

„ 2. Transverse section through the sponge; nat. size.

„ 3-15. Spicules—

Fig. 3. Somal oxea of the spicular fibres;  
× 22.

„ 4. Promonæne; × 22.

„ 5. Prodiæne; × 22.

„ 6. Trichodal protriæne; × 292.

„ 7. Trichodal prodiæne; × 292.

„ 8. Cladal end of the protriæne;  
× 180.

„ 9. Anatriæne; × 17.

Fig. 10. Somal oxea of the spicular  
interspaces; × 22.

„ 11, 12. Toxaspires of the cortex;  
× 292.

„ 13. Cladal end of an ana-  
triæne; × 180.

„ 14. Cladal end of a cortical  
protriæne; × 180.

„ 15. Cladal end of a hispidat-  
ing protriæne; × 180.

„ 16. Longitudinal section through the wall of the cloaca; × 34.

„ 17. Radial section through the sponge, showing the cortex and choanosome;  
× 18.

„ 18. A part of the preceding more highly magnified; × 49.

„ 19. Section through the lining membrane of the cloaca; × 292.

„ 20. Section through a part of the choanosome, showing the aphodal flagel-  
lated chambers; × 200.

„ 21. Section through an ovum; × 292.

„ 22. Section through an ovum with pseudopodia-like extensions; × 125.

Figs. 23-31. *Craniella simillima*,<sup>1</sup>

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„ 23. Sponge; nat. size.

„ 24-29. Spicules—

Fig. 24. Somal oxea; × 73.

„ 25. Anatriæne; × 73.

„ 26. Protriæne; × 73.

„ 27. Cortical oxea; × 73.

Fig. 28. Cladal end of protriæne;  
× 180.

„ 29. Cladal end of anatriæne;  
× 180.

„ 30. Part of a series of cells frequently found on the sides of the megascleres;  
× 180.

„ 31. Transverse section through a part of the cortex; × 34.

<sup>1</sup> The specific name *bowerbankii* has been abandoned since the Plate was printed off.