

VI. WOODCUTS.

FIRST PART.

Figure

PAGE

H.M.S. Challenger,	1
1. The Steam Pinnace in Sydney Harbour,	4
2. Zoological Laboratory on the Main Deck,	6
3. The Holdfast,	7
4. Hydraulic Compression Apparatus,	11
5. Chemical Laboratory,	12
6. Sea-going Sand-Bath,	14
7. Carbonic Acid Apparatus,	15
8. Apparatus for collecting the Atmospheric Gases from Sea-Water,	17
9. H.M.S. Challenger at the New Mole, Gibraltar,	47
10. Two views of <i>Umbellula thomsoni</i> , Köll.,	50
11. Santa Cruz, Tenerife,	53
12. Dredging and Sounding arrangements on board the Challenger,	57
13. Hydra Sounding Machine,	59
14. Baillie Sounding Machine,	60
15. The Accumulator,	62
16. Diagram to illustrate the method of Sounding,	64
17. The Cup Lead,	69
18. The Valve Sounding Lead,	69
19. The Dredge,	74
20. The Beam Trawl used in deep-sea work,	75
21. The Sieves,	76
22. Diagram illustrating the supposed action of the Deep-Sea Dredge,	77
23. Ordinary method of using the Tow-Net,	79
24. A method of using the Tow-Net in deep water,	79
25. The Current Drag,	80
26. Diagram to illustrate the action of the Current Drag,	81
27. Six's Deep-Sea Thermometer,	86
28. Case for enclosing Six's (Miller-Casella) Thermometer,	86
29. Negretti & Zambra's Deep-Sea Thermometer; Ferguson's Modification,	90
30. Negretti & Zambra's Improved Standard Deep-Sea Thermometer,	93
31. Magnaghi's reversing apparatus for Negretti & Zambra's Thermometer,	94
32. Siemens' Electrical Thermometer,	96
33. Mercury Piezometer,	104
34. Enlarged view, showing attachment of bulb to end of Piezometer,	104
35. Water Piezometer,	105
36a. Diagram for Water Piezometer,	108
36b. Diagram for Mercury Piezometer,	108
37. Hydrometer,	109
38. Method of using the Hydrometer,	110
39. The Slip Water-Bottle,	111
40. Instrument for slipping the Cylinder at intermediate depths,	112
41. Stop-cock Water-Bottle, in section, closed and open,	113
42. Buchanan's Improved Stop-cock Water-Bottle, in section,	116
43. Depth Gauge,	116
44. Buchanan's Combined Sounding Tube and Water-Bottle,	117