

—Change of Arrangements.—Second Cruise ; to the Bay of Biscay.—Dredging successful at 2,435 fathoms.—Third Cruise ; in the Channel between Fiëroe and Shetland.—The Fauna of the ‘Cold Area.’ Page 82

APPENDIX A.—Official Documents and Official Accounts of preliminary Proceedings in connection with the Explorations in H.M. Surveying-vessel ‘Porcupine,’ during the Summer of 1869 Page 133

APPENDIX B.—Particulars of Depth, Temperature, and Position at the various Dredging Stations of H.M.S. ‘Porcupine,’ in the Summer of 1869 Page 142

CHAPTER IV.

THE CRUISES OF THE ‘PORCUPINE’ (continued).

From Shetland to Stornoway.—Phosphorescence.—The *Echinothuridæ*.—The Fauna of the ‘Warm Area.’—End of the Cruise of 1869.—Arrangements for the Expedition of 1870.—From England to Gibraltar.—Peculiar Conditions of the Mediterranean.—Return to Cowes. Page 145

APPENDIX A.—Extracts from the Minutes of Council of the Royal Society, and other official Documents referring to the Cruise of H.M.S. ‘Porcupine’ during the Summer of 1870 Page 197

APPENDIX B.—Particulars of Depth, Temperature, and Position at the various Dredging-stations of H.M.S. ‘Porcupine’ in the Summer of 1870 Page 202

CHAPTER V.

DEEP-SEA SOUNDING.

The ordinary Sounding-lead for moderate Depths.—Liable to Error when employed in Deep Water.—Early Deep Soundings unreliable.—Improved Methods of Sounding.—The Cup-lead.—Brooke’s Sounding Instrument.—The ‘Bull-dog ;’ Fitzgerald’s ; the ‘Hydra.’—Sounding from the ‘Porcupine.’—The Contour of the Bed of the North Atlantic ... Page 205

CHAPTER VI.

DEEP-SEA DREDGING.

The Naturalist’s Dredge.—O. F. Müller.—Ball’s Dredge.—Dredging at moderate Depths.—The Dredge-rope.—Dredging in Deep Water.—The ‘Hempen tangles.’—Dredging on board the ‘Porcupine.’—The Sieves.—