

INDEX.

A.

Abel, Professor, F.R.S., report on samples of soil from Bermudas, i., 323.
Acanthometrina, i., 221.
Aceste bellidifera, i., 349.
 Açores, The, ii., 23.
Ærope rostrata, i., 353.
Adansonia gigantea, ii., 72.
 Æolian rocks, Bermudas, i., 287, 292, 322.
 African Current or Guinea Current, ii., 75.
 Agulhas Current, ii., 265.
 Albatross, ii., 129, 141, 145, 161.
Alciope, i., 173.
 Aldrich, Lieutenant Pelham, R.N., appointed to the "Challenger," i., 24; ii., 84.
 Algesiras, i., 128.
Alima, i., 173.
 Aloes in flower, i., 128.
Altingia excelsa, San Miguel, ii., 31.
 American deep-sea expeditions, i., 22.
Ammocharidæ, i., 194.
Amphinomidæ, i., 172.
 Annelid, tube-building, living at the sea-bottom, i., 194.
 Annelids in the Atlantic, ii., 297.
Antennarius marmoratus, i., 188; its nests of gulf-weed, ii., 17.
 Aqueduct at Algesiras, i., 128.
Arca, living on the sea-bottom, i., 174, 233.
 Arrowroot, its cultivation in Bermudas, i., 317.
 Ascension, Island of, ii., 221, 229; George Town, Green Mountain, 222; government, 223, 226; botany, 224; climate, 226; "Wide-awake Fair," 227; birds, *ibid.*
Astacidæ, *Willemoesia leptodactyla*, i., 181, 242.
Astacus pellucidus, i., 185.
Astacus zaleucus, i., 244.
 Astronomical Observatory, Lisbon, i., 120.
Atlanta peronii, i., 125.
 Atlantic, The: General conclusions from

the "Challenger" expedition, ii., 246-329; contour of the bed, 247-249; nature of the bottom, 249-256; distribution of temperature, surface and submarine currents, 256-280; density of sea-water, 302-310; amount of carbonic acid and oxygen in sea-water, 310-314.

Avicula, i., 189.

Avocada pear, i., 320.

B.

Bailey, Professor, globigerina, i., 199.

Baillie, C. W., Navigating Lieutenant, his sounding-machine, i., 60, 61.

Balanoglossus, ii., 78.

Ball's dredge, i., 62.

Balsam-bog, Falkland Islands, ii., 183.

Baobab-tree, Cape Verde Islands, ii., 72.

Barnacles, ii., 12.

Barometer, aneroid, by Messrs. Elliott, used in the expedition, i., 156.

Barometrical observations taken during the expedition, explanatory diagrams, i., 155.

Barometrical pressure, its relation to latitude, i., 88.

Basalt rocks, Fernando Noronha, ii., 107, 108; Tristan d'Acunha, 144.

Bathycrinus Aldrichianus, ii., 86, 87.

Beach marks, i., 86.

Belem: Castle, i., 113; monastery of Santa Maria, porch, quadrangle, and cloisters, 115, 116, 117.

Bermudas, history and description of, i., 271.

Bermudas arrowroot, i., 317.

Bethell, Lieutenant George R., R.N., appointed to the "Challenger," i., 24, 167, 229.

Bignonia at Madeira, i., 152.

Birds of Bermudas, i., 279, 301, 320; Brazil, ii., 125; Falkland Islands, 179; Island of Ascension, 227; San Miguel, 42; Tristan d'Acunha, 145, 156-158.