wacke with agates at Woodford | Calcaire siliceiux of the Paris bason bridge, 143; organic remains in, 144; alternations of basalt with limestone in Sicily, 144; basalt, experiments on, by Mr. G. Watt, 146; by Sir James Hall, ib.; theory of basalt by Werner, its opposition to facts, 148; basalt of Massachusetts and Nova Scotia, 149.

- Bears, fossil species found in caverns, supposed to be extinct, 307.
- Beaumont, M. Elie de, his division of the tertiary strata, 243; on the elevation of mountain ranges. See Elevation.
- **Beds.** If a stratum exceed two or three yards in thickness, it is generally called a bed, 39.
- Bind or clunch, argillaceous beds in coal strata, 103, 116,
- Birds, fossil remains of rare, 24; found in Stonesfield slate, 23; and in the Paris bason, 24.
- Bitumen, 111.
- Black-lead, or plumbago, 110.
- Blocks of rock, transportation of, 314; scattered on distant mountains, 355; speculations on the mode of their transportation, ib.
- Blue John. See Fluor Spar.
- Boiling springs. See Thermal waters, 267.
- Bones, analyses of, 26.
- fossil. See Organic Remains.
- Botallack mine in Cornwall, 290.
- Boue, M., a distinguished continental geologist, his opinions respecting fossil conchology. See Preface.
- Bovey or wood coal, 112, 120.
- Breccia, angular fragments of rocks cemented together, 38.
- Brighton cliffs, in some parts similar to Norfolk Crag, 236; teeth of the elephant and horse found in them by Mr. Mantell, ib.
- Brongniart, M. Adol. his geological classification of vegetables, 30, 111. M. Alex. 115, 218.
- Buckland, Professor, his discoveries at Kirkdale cave gave a new impulse to geology, 308; his account of cavern bones, 309; conjectures respecting the flying lizards at Stonesfield, 23.
- Burntwood quarry, 115; vegetable remains in, ib.
- Burrh stones or millstones, 232.

- Cader Idris, crater of, 132; columnar basalt of, 142.
- Calcaire grossier, or, coarse limestone of Paris, 226; organic remains in, ih.; not found in England. 227; formation of in South America, ib.

- 227; furnishes mill-stones, ib.; siliciate of magnesia discovered in, ib.
- Calcareous sandstone of Australasia, of
- many hundred forms of, 37.

strata, formation of, Chap. XV. 206.

- tufa, 325.

- Carbon, or charcoal, forms a constituent part of many slate rocks, 33; the principal constituent part of coal, ib.; combined with oxygen forms carbonic acid, ib.; an original element, 111, the principal constituent part of vegetables, 101; from whence derived, 110.
- Carbonate of lime, or limestone, 37.
- Carbonic acid, or fixed air, forms a constituent part of limestone rocks, 33; favorable to vegetation, 111.
- Carboniferous limestone, an inappropriate term, 97.
- Caverns, formation of, Chap. XX. 300; chiefly occur in limestone rocks, ib.; subterranean currents and rivers in caverns, 300-304; at Adlesberg, 301, 305; in the Isle of Thermia, 302; of Gaylenreuth, 305; of Kirkdale, 308; of Miallet, 307, 386; caverns in the south of France, &c., with human bones and bones of extinct species of quadrupeds, 305, 307; cavern of Rancogne, near Angoulême, full of human and quadrupedal bones, 306; traditions of its having been a place of refuge, ib.
- Caverns, English, in which fossil bones have been discovered, 308.
- Cawk, or sulphate of barytes, 293.
- Cellular, full of pores or rounded cavities, as in some lavas, 55.

plants, 39.

- Cells ancient, resided in caverns, 306; destroyed by Cæsar in their caverns, ih.
- Contral heat, in the earth, 3, 282; opinions respecting it, 361-363.
- Cctaccous aninals allied to the whale and seal; fossil remains of not common, 24.

Chalcedony, 203.

- Chalk strata, formation of by aqueous eruptions, holding calcareous earth in solution or suspension, 208, 209.
- , Chap. XIV. 200; scarcely any trace of in Scotland, but occurs in Ireland, ib.; fossil remains in exclusively marine, 200, 203; vegetable remains in very few, 204; equivalent of, discovered by Dr. Morton, in North America, associated with tertiary beds, ib.; lignite, bed of, in the lower chalk near Rochelle, ih.; scaglia in

C.