

## INDEX.

- Vegetables, distribution of, in centres, i. 13.  
 ——— fossil, in agate, ii. 648.  
 ——— organization of, ii. 622.  
 ——— fossil, ii. 685.
- Veins and faults, i. 192.  
 — in granite, ii. 756.  
 — lava, ii. 719.  
 — metalliferous, ii. 760.  
 — in schist, ii. 756.
- Ventriculite of the chalk, ii. 557.
- Vertical strata, i. 191.  
 — trees in carboniferous strata, ii. 629.  
 — in coal mines, ii. 631.  
 — in the Isle of Portland, i. 362.
- Vesicular corals, ii. 534.
- Vesuvius, ii. 712.  
 — eruptions of, ii. 712, 714.  
 — minerals of, ii. 718.  
 — volcanic products of, ii. 716.
- Vibratile organs, ii. 515.
- Vital action, geological effects of, ii. 781.
- Volcanic action, nature of, ii. 711.  
 — agency, i. 92, ii. 710.  
 — grit, ii. 743.  
 — island in the Mediterranean, ii. 731.  
 — tuff, ii. 719.  
 — rocks of the carboniferous system, ii. 617.
- Volcanoes, extinct, of Auvergne, i. 255.  
 — tertiary, i. 255, 267.  
 — of Jorullo, ii. 732.  
 — Kirauea, ii. 724.  
 — the Rhine, i. 267.
- Voltzia, ii. 685.
- Vorticellæ, ii. 524.
- W.
- Water, erosion by, i. 266.  
 — existence of, in three states, i. 109.
- Watt, Mr. Gregory, experiments on basalt, ii. 744.
- Weald clay, i. 352.
- Wealden formation, i. 290, 344.  
 — extent of, i. 352.  
 — of the Sussex coast, i. 347.  
 — subdivisions of, i. 352.  
 — of Beauvais, i. 354.  
 — Germany, ii. 688.  
 — the Isle of Wight, i. 358.  
 — fishes of, i. 369.  
 — flora of, ii. 688.
- Wealden, fossils of, i. 368.  
 — lizard, or hylæosaurus, i. 401.  
 — Mr. Martin, on, i. 353.  
 — plants of, i. 369.  
 — reptiles of, i. 383.  
 — and Stonesfield fossils, ii. 448.  
 — zoological character of, ii. 431.
- Webster, Mr., on tertiary basins, i. 224.  
 — the Isle of Portland, i. 362.
- Wenlock shale, ii. 696.
- Weyer's cave, i. 417.
- Wight, Isle of, i. 222, 358.
- Wing of an insect in ironstone, ii. 680.
- Wirtemberg, lias of, ii. 457.
- Wood bituminized, ii. 645.  
 — fossil, Mr. Stokes on, ii. 643.  
 — fossilization of, ii. 643.  
 — fossil, polished section of, ii. 632.
- Works on geology, i. 186.  
 — of art in caverns, i. 175.  
 — limestone, i. 75.
- X.
- Xanthidium furcatum, ii. 566.  
 — in flint, ii. 565.
- Y.
- Yorkshire, oolite of, ii. 439.  
 — saliferous strata of, ii. 464.  
 — whin silt of, ii. 618.
- Z.
- Zechstein, ii. 463, 469.
- Zoological character of the chalk, ii. 430.  
 — wealden, ii. 430.
- Zoophytes, organization of, ii. 520.  
 — food of, ii. 523.  
 — fossil, ii. 556.  
 — of the chalk, ii. 558.  
 — Faringdon, ii. 560.  
 — oolite and lias, ii. 569.  
 — Shanklin sand, ii. 559.  
 — of the older secondary formation, ii. 570.