

- tration of, 157. Between fifty and sixty elements in, 159. Objects of, 222. General heads of the principal improvements in, 226. Remarks on those general heads, 228.
- Chemistry, Stahlian, cause of the mistakes and confusions of, 92.
- Chladni, experiments of, in dynamical science, 136.
- Chlorine, disinfectant powers of, 42.
- Clarke, Dr., his experiments on the arseniate and phosphate of soda, 128. His success in producing a new phosphate of soda, 128.
- Climate, change of, in large tracts of the globe, alleged cause of, 109.
- Coals, power of a bushel of, properly consumed, 44. Quantity consumed in London, 45.
- Cohesion, an ultimate phenomenon, 68.
- Cold, qualities of, 238.
- Compass, mariner's, 41.
- Condensation, a source of heat, 235.
- Conduction of heat, laws of, 154.
- Copernicus, effect of his discoveries on the Aristotelian philosophy, 85. Objections to his astronomical doctrines, 202.
- Crystallography, laws of, 92. 180. A determinate figure supposed to be common to all the particles of a crystal, 182.
- D'Alembert, his improvements in hydrodynamics, 177.
- Dalton, his announcement of the atomic theory, 229. His examination of gases and vapors, 239.
- Davy, Sir H., brings the voltaic pile to bear upon the earths and alkalies, 254.
- Deduction, utility of, 131.
- De l'Isle, Romé, his study of crystalline bodies, 180.
- Dew, causes of, investigated, 119. Effects of, on different substances, 120. Objects capable of contracting it, 121. A cloudless sky favorable to its production 121. General proximate cause of, 122.
- Drummond, lieutenant, his improvement on lenses for lamps of light-houses, 42.
- Dynamics, importance of, 73. 167.
- Earth, the orbit of,—diminution of its eccentricity round the sun, 110.
- Economy, political, 55.
- Egypt, great pyramid of, height, weight, and ground occupied by it, 45. Accuracy of the astronomical records of, 198.
- Elasticity, an ultimate phenomenon, 68.
- Electricity may be the cause of magnetism, 70. Universality of, 247. Effects of, 248. Activity of, 248. Equilibrium of, 249. Productive of chemical decomposition, 254.
- Empirical laws, 133. Evils resulting from, 134.
- Encké, professor, his prediction of the return of the comet so many times in succession, 117.
- Englefield, sir H., his analysis of a solar beam, 236.
- Equilibrium maintained by force, 167.