

Pollen, fossil, 171.
 Portland, Isle of, 165.
 Potamides, 422.
Polyparia, fossil, 269.
Polythalamia, fossil, 230, 232.
Pteropoda, 367.
Pterophyllum, 158.
 Purbeck strata, 36.
 —— marble, 418.
Pyxidicula, fossil, 238.
 —— *Leeana*, 239.
 —— *Readeana*, 237.

Q.

Quekett, Mr. E. on infusoria,
 226.

R.

Resin, fossil, 171.
Restiacea, fossil, 165.
Retepora, fossil, 286.
 Retrospect of fossil botany, 198.
 Richmond earth, Virginia, 224.
 Rocks composed of organic re-
 mains, 21.
 —— classification of, 26.
Rostellaria, 422.
Rotalia, 230, 232.

S.

Saliferous system, 39.
Scyphia, 257.
Shalcombe, fossil shells of, 419.
 Shanklin sand, 33.
Shells, fossil, 363.
 —— bivalve, 371.
 —— in septaria, 373.
 —— conglomerate, 375,
 377.
 —— collecting of, 442.
 —— localities of, 445.
Sheppey, Isle of, fossils, 177.

Sigillaria, 129.
 —— imprints of, 133, 135.
 —— stem, section of, 131.
 —— erect, 131, 143.
 —— with roots, 143.
 Silurian System, 43, 44.
Siphonia, dichotoma, 261.
 —— *Morrisiana*, 254.
 —— *Websteri*, 259.
 Smith, Dr. W. 25.
 Snowdon rocks, 45.
 Solarium, 423.
Spatangus, 354.
 —— *complanatus*, 355.
Sphenophyllum, 154.
 Spines of sponges, fossil, 258.
 —— echinipites, 348.
Spirifer, 381.
Sphenopteris elegans, 115.
 Spherulites, 429.
Spondylus, 391.
 Sponges, 249.
 —— fossil, 252.
 —— spines, 258.
 Star-fish, fossil, 322.
 Stelleridæ, fossil, 322.
 Stems, endogenous, 69.
 —— exogenous, 69.
 —— fossil, investigation of, 72.
 —— of tree-ferns, 73.
Sternbergia, 151.
Stigmaria, 139.
 —— position of, 141, 207.
 —— section of, 142.
 Stonesfield slate, 37.
Stradella, fossil leaves from, 195.
Synhedra, recent, 219.
Syringopora, 297.

T.

Tabular arrangement of British
 strata, 30.
 Temple Church, marble pillars
 of, 418, 436.