

- areolæ or corpuscula in the albumen of all the European genera of Conifera, 574-5
- Scitamineæ, structure of flower in, 49; formation of albumen in, 452
- Scoresby, Captain William, catalogue of plants collected in Spitzbergen by, 179
- Scrophularina, observations on the species found in the vicinity of the Congo, 135; in the collection from Central Africa, 296
- Seeds never produced entirely naked, 359
- Seeds and fruits, on some remarkable deviations from the usual structure of, 357
- Seguiera forms with Petiveria, a subdivision of Phytolacæ, 140
- Sempervivum tectorum, monstrosities in, illustrating the origin of ovula, 563
- Sesameæ, one species in the collection from central Africa, 295
- Smeathman, Henry, number of species of plants collected by him at Sierra Leone, 101
- Smeathmannia referred to Passifloræ, its character and affinities, 386-7 note, 121, 381
- Smith, Christian, plants collected by him in the vicinity of the Congo, 99, 173
- Smith, Thomas, his observations on the general existence of the foramen in the membranes of the ovulum, 411
- Sowerby, G. B., jun., his drawings of Triplosporite, 585
- Sphænoclea Zeylanica, identity of specimens from Congo, and various parts of Africa, Asia, and America, 170, 171
- Spiral tubes produced on the surface of the aerial roots of Orchidæ, 548; on the inner surface of the corolla of Ceropegia, 549; in the wool enclosing the spines of Mammillaria and Melocactus, *ibid.*; in the coma of the seed of an Apocynous plant from Brazil, *ibid.*
- Spiral vessels, stratum of, beneath the outer coat of the seed of Casuarina, 46
- Spiral fibrous, tubes containing and emitting mucus in Blennodia and Matthiola, 316
- Spiral vessels in the bulb-like seeds of certain Liliaceous plants, 364; do not appear to exist in any part of Rafflesia Arnoldi, 377; shown to exist in various parts, 412; exist also in Hydnora, Cyrtinus, Balanophora, Cynomorium and Helosis, *ibid.*
- Spitzbergen, catalogue of plants collected in, by Captain Scoresby, 179
- Stackhouseæ, characters of the order and observations on its distribution in Terra Australis, 27
- Stelis, spirally striated cells in, 515
- Sterculia, several species produce seeds which become naked by the early regular dehiscence of the ovarium, 363
- Sterculiaceæ, compared with Rafflesia, 388-9
- Stigma, on the relative position of the divisions of stigma and parietal placenta in the compound ovarium of plants, 553-563; origin and type of, 558; necessarily consisting of two parts, not terminal but lateral, 558, 560; whence inferred, *ibid.*; the two stigmata of each carpel generally confluent, 559; exceptions in Parnassia, Crucifera, and Papaveraceæ, where the stigmata as well as the placenta of the adjoining carpels are confluent, *ibid.*; how proved, *ibid.*; in Irideæ, also, where the stigmata alternate with the cells of the compound trilocular ovarium, *ibid.*; characters derived from modifications of stigmata of less value, 560; composition of, in Orchidæ, 501-4; functions of its different lobes in, 503; relative position of stamina and stigmata, 504
- Sturt, Captain Charles, plants found in his expedition into the southern interior of Australia, 313, 337; in his expeditions to the Darling, Murrumbidgee and Murray, 338
- Style, a mere attenuation of the whole body of the ovarium, 558
- Stylidæ, observations on the order and its distribution in Terra Aus-