

- relation of, to species, 143; rent, 213-217, 251, 464-465; tax, 465-467.
- Soudan, forestry in, 290.
- South, U.S., forests in, 353-356.
- South America, importation of wood by, 34.
- Species, distribution of, 141-149; in the U.S., 347-349, 481-483.
- Spor theory, 72-73.
- Sport, influence of, 9, 346.
- Spruce, growth of, 160; use of, for paper pulp, 160, 423-424, 483.
- Stand, open and close, 89-90, 154-156, 180-182; pure and mixed, 183; old and young, 201-203.
- Standard-coppice system, 179, 451.
- Starr, Rev. F., *quoted*, 375.
- State, relation of, to private enterprise, 4-10, 14-20, 230-235; administration of forests by, 124, 131-132, 138-139, 198, 206; educational function of, 236-244; promotive methods of, 244-258; police function of, 258-267; ownership of forests by, 269-273, 275-276, 280, 291-293, 295, 306, 310, 340-342, 386-391, 395, 397-398, 401-411.
- Statics, forestry, 214-222.
- Stations, forestry. *See* Experiment stations.
- Statistics, value of, 242-244, 471; of forest finance, 30-33, 125-127, 132-138, 220, 287, 325-328, 452-459; of forest area, 35, 54, 334-341, 430-431; of wood consumption, 36-41, 51, 337-339, 416-429, 475-480; of wood production, 36-39, 47-52, 349-350, 480-483; of forest reservations, 489-490.
- Sterility, caused by deforestation, 59, 63.
- Steuben, Baron von, 382.
- Stock, normal, 129-131, 201-205; taxation of, 251-253, 465-467.
- Stock companies, 133.
- Strip method of reproduction, 174-175, 190.
- Stumpage, defined, 220 *et seq.*, 343; value in the U.S., 485-486.
- Substitutes for wood, 26-29, 421.
- Subterraneous drainage, 19-20, 72, 74-75, 444-447.
- Sugar, maple, 29-30.
- Sully, *quoted*, 17, 60.
- Supply and demand, 233-234, 242-243.
- Survey, forest, 206-207.
- Sustained yield, 199-222, 230, 259, 324, 65.
- Swarm, danger from, 78-79.
- Sweden, forest policy of, 298-300.
- Switzerland, stations in, 63-64; forest policy of, 270, 297-298.
- Syrup, maple, 30.
- Tanning, 28-29, 86, 424.
- Tariff on wood, 245, 253-258.
- Taungyas, 285.
- Taxation of woodlands, 245-253, 378, 465-467.
- Teak, 282, 285.
- Temperate zones, 40.
- Temperature, effect of forests on, 62-63, 66, 69, 434-437, 441-444; relation of, to growth, 141-142, 147.
- Terminology, forest, 81-85, 448-450.
- Tharandt, forest academy at, 488.
- Thinnings, 179, 182, 193, 226.
- Thirty-years War, effect of, on forests, 93, 305-306.
- Ties, railroad, 23.
- Timber, as a resource, 11-12, 19; age of, 41, 45, 107, 355; size of, 217-221.
- Timber culture acts, 246-247, 378-379, 403.
- Timber Trades Journal, *quoted*, 298-299.