

Sinuses, sphenoidal, vi. 105; vii. 235
subpetrosal, ii. 261
subspenoidal, ii. 261
superpetrosal, ii. 261
tentorial, ii. 256, 261
terminalis, i. 444
thrombosis, a cause of headache, iv. 552
torticular, ii. 261
transverse, ii. 261
venous, i. 444; iv. 568
Sinusitis frontalis, iv. 271
Siphonaptera, v. 154
Siriensis, iv. 618
Sirocco, iii. 140
Sirolin, vii. 741; and see *Thiocol*
Site for houses, iv. 750
examination of, iv. 768
Sitka Hot Springs, vii. 217
Sitototoxicus, iv. 189
Sixth nerve, iii. 324
Size, abnormal, of new-born, vi. 276
effect on pulse rate, iii. 109
estimate of, viii. 246
Skagg's Hot Springs, vii. 217
Skatol as a germicide, iv. 335
ptomain, vi. 789
in urine, viii. 45
Skatoxyl in urine, viii. 45
Skeleton, acromegalic, i. 93
in cretinism, iv. 393
sexual differences in, ii. 539
Skene's curette, iv. 466
tenaculum, iv. 465
Skewness, measurement of, viii. 194
Skey's arterial compressor, i. 536
Skin, viii. 550
abnormalities of, vii. 717
absorptive function of, vii. 218
adenoma of, i. 112, 115
adipose layer of, viii. 556
affections of, in arm and forearm, i. 454
in hand and fingers, iv. 511
anatomy of, viii. 550
appendages of, viii. 562
application of remedies to, v. 733
arteries of, viii. 559
blood-vessels of, viii. 559
bronzing of the, in Addison's disease, i. 108
carbon dioxide eliminated by, v. 768
carcinoma of, ii. 631, 672, 680
cleavage lines of, viii. 551
colloid degeneration of, iii. 200
color of, viii. 551
corium, viii. 554
cutis propria, viii. 554
cysticerci of, iii. 344
cysts of, iii. 344, 350
density of, viii. 551
derma, viii. 554
dermoids of, vii. 717
diet in diseases of, iii. 466
in Addison's disease, i. 108
diseases due to auto-intoxication, i. 644
eosinophilia in, v. 493
Finsen treatment of, vi. 992
mercury in treatment of, v. 756
of vulva, viii. 102
effect of massage upon, v. 696
elastic tissue of, viii. 555
elasticity of, viii. 551

Skin, embryology of the derma, viii. 554
of the epidermis, viii. 552
of the hairs, viii. 563
of the nails, viii. 562
of the sebaceous glands, viii. 558
of the sweat-glands, viii. 556
end-bulbs of Krause, viii. 562
epidermis, viii. 552
layers of, viii. 552
thickness of, viii. 552
epithelioma of, iii. 852
excretory function of, vii. 217
fatty layer, viii. 555
fibroma of, iv. 155
folds of, viii. 552
functions of, vii. 217
furrows of, viii. 552
general characteristics of, viii. 550
glands of, viii. 556
grafting with, vii. 220
hair, anatomy of, viii. 563
heat-regulating function of, vii. 218
in childhood, ii. 829
in diabetes mellitus, iii. 431, 429
in myelogenous leukaemia, v. 500
intercellular spaces of the stratum mucosum, viii. 553
lymphatic vessels of, viii. 561
medication by way of, v. 735
medication of, v. 733
muscles of, viii. 555
myoma of, vi. 76
nails, anatomy of, viii. 562
nerve endings in, iii. 820
nerves of, viii. 561
neurofibroma of, iv. 155
neuroma of, vi. 258
of the forearm, iv. 238
Pacinian bodies, viii. 562
painful neuroma of, vi. 258
panniculus adiposus, viii. 556
parasites of, vi. 500
pars papillaris of the corium, viii. 556
reticularis of the corium, viii. 554
post-mortem changes in, ii. 535
protective function of, vii. 217
Ranvier's tactile discs, viii. 562
rete Malpighii, viii. 553
sebaceous glands, viii. 558
sensory functions of, vii. 218
special sensations of, vii. 219
stratum corneum, viii. 553
granulosum, viii. 553
lucidum, viii. 554
mucosum, viii. 553
spinosum, viii. 553
structure of, viii. 552
subcutaneous connective-tissue layer, viii. 555
sweat glands, viii. 556
tactile corpuscles, viii. 562
temperature-regulating function of, vii. 218
tension of, viii. 551
termination of muscular fibres in, vi. 14
tuberculosis of, vii. 222
veins of, viii. 560
Skin-grafting, vii. 220
Skins, treating and tanning, regulations for, vi. 332

Skin, tuberculosis cutis orificialis, vii. 223
Skin, tuberculosis disseminata, vii. 223
Skin, tuberculosis of, vii. 222
Skin, tuberculosis verrucosus cutis, vii. 223
Skull cap, v. 379; vii. 241
Skull, the, vii. 224
age differences in, vii. 232
anatomical points of, vii. 229
bony landmarks of, ii. 401; vii. 258
comparison of human and anthropoid, vii. 227
cranial capacity, vii. 230
cranio-encephalic topography, vii. 230
craniology, vii. 229
exterior of, vii. 224
fossæ of, tumors in, ii. 448
fractures of, ii. 421; iv. 556
indexes of, vii. 224
in insanity, v. 51
interior of, vii. 225
osteoplastic resection of, ii. 124, 407
percussion of, ii. 406
pneumatic spaces in, vii. 233
sexual differences in, vii. 233
sutures of, vii. 231
venous openings through, ii. 262
Slaughter-houses, regulations for, vi. 331
Sleep, iii. 559; and see *Drowsiness*
disorders of, iii. 261; and see *Insomnia*
in infancy, iv. 860
loss of, v. 169; and see *Insomnia*
normal, factors producing, v. 169
causes of, v. 169
possibility of administering chloroform during, without awakening, iii. 9
Sleeping-sickness, iii. 561; vii. 242
Sleeplessness, iii. 560
Slide for hanging-drop, viii. 394
Small intestine, bacteria of, iii. 85
histology of, v. 183
lymphatics of, v. 638
secretion of, vii. 97
villi of, v. 183
Smallpox, vii. 244
and chickenpox, differential diagnosis of, vii. 249
and febrile lichen, diagnosis, vii. 250
and impetigo contagiosa, diagnosis of, vii. 250
and measles, diagnosis of, vii. 250
and pemphigus, diagnosis of, vii. 250
and syphilis, diagnosis of, vii. 249
and vaccination, comparative protection afforded by, viii. 123
confluent, vii. 248
death rate in, see *Vaccination*
definition, vii. 244
differential diagnosis, vii. 249
disinfection in, vii. 252
discrete, vii. 247
etiology, vii. 246
Finsen method of treatment, vi. 992
hemorrhagic, vii. 248

Smallpox, history, vii. 244
hospital for, v. 235
immunity from, of the vaccinated and unvaccinated, viii. 121
in armies, ii. 589
inoculation, vii. 246
isolation in, vii. 251
modified, vii. 248
morbid anatomy, vii. 246
morbidity of, as affected by vaccination, viii. 121, 126
mortality from, as affected by vaccination, viii. 121, 126
pharyngitis in, vi. 593
prognosis, vi. 251
prophylaxis, v. 814; vii. 251
protection afforded by vaccination, vii. 246, 247, 251; viii. 121
quarantine in, vi. 824
disinfection of vessels, vi. 826
relation of vaccinia to, viii. 113
stages of, vii. 247
symptoms and course, vii. 247
treatment, vii. 251
by red light, vi. 992
vaccination, vii. 251; see also *Vaccination*
Smear cultures, viii. 389
Smegma bacillus, bacteriology of, i. 693
Smell, centripetal conduction path of, ii. 362
classification of, vi. 354
disturbance of, in cerebral tumor, ii. 445
in insanity, v. 51
localization of sense of, ii. 308
loss of, vi. 131
perversions of, vi. 131
offensive, a public nuisance, vi. 330
sense of, see *Olfactory nerve*
function of the nose in, vi. 106
physiology of, vi. 353
tests for, vi. 354
Smellie's craniotomy scissors, vi. 315
Smelling salts, i. 216
Smilacin, vii. 41
Smilasaponin, vii. 41
Smilax, china, vii. 41
grandiflora, vii. 40
medica, vii. 40
ornata, vii. 40
papyracea, vii. 40
pseudo-china, i. 726
Smith-Hodge pessary, viii. 82
Smith-Rosin test for bilirubin, v. 245
Smith's anterior splint, iv. 257
method of reducing dislocation of humerus, iii. 519
of reducing dislocation of hip, iii. 525
Smith's fermentation tube, viii. 404
Smith's (T.) operation for harelip, iv. 588
Smoke, a public nuisance, vi. 330
Smokeless powder, iv. 430
Smothering, signs of death from, i. 672
Smuts, iv. 282
Snails, viii. 566
edible, viii. 567

Snails, poisoning from, viii. 567
sea, viii. 567
wild, viii. 567
Snake-bite, poisonous, vi. 711
Snake poison, antidote to, i. 373
Snake poisoning, serum therapy in, vii. 133
Snakeroot, Canada, vii. 254
seneca, vii. 113
Texas, vii. 254
Virginia, vii. 254
Snakes and snake poisons, see *Poisonous reptiles*
Snakes, hair, vi. 224
impression of teeth of, vi. 710
poisonous, vi. 708
Snake venoms, vii. 710
antidote to, i. 373
serum therapy in, vi. 715
Snellen's test letters, vi. 392, 395
Snow blindness, vi. 958
among troops, ii. 619
Soap, vii. 255
amount allowed soldiers, v. 799
as an antidote, i. 372
Castile, vii. 255
German, vii. 255
green, vii. 255
hard, vii. 255
liniment, vii. 255
manufacture of, regulation for, vi. 332
plaster, vii. 255
soft, vii. 255
Spanish, vii. 255
Soap bark, vii. 256
Soap cysts, viii. 482
Soap root, vii. 256
Soapwort, vii. 256
Sociological conditions as affected by castration, ii. 713
Soda as a caustic, ii. 758
as a germicide, iv. 336
caustic, vii. 256
chlorinated, iii. 6
cooking, vii. 257
hypochlorite as a germicide, iv. 333
native, vii. 257
plain, ii. 659
washing, vii. 257
Soda water, ii. 665
Sodio-ferric phosphate, v. 227
pyrophosphate, v. 227
Sodium, vii. 256
acetate, vii. 257
alpha-eigon, iii. 730
arsenate, i. 524
benzoate, i. 745
as a cholagogue, iii. 31
biborate, germicidal action of, iv. 336
bicarbonate, vii. 257
as a cholagogue, iii. 30
borate, vii. 257
bromide, ii. 485
caffeine salicylate, viii. 318
carbonate, vii. 257
as an antidote, i. 372
as a preservative of milk, v. 839
in milk, determination of, v. 840
chlorate, vii. 258
chloride, iii. 4
as an antidote, i. 373
as a germicide, iv. 336

Sodium chloride, therapeutic uses of, iii. 4
cinnamate, iii. 93; iv. 688
compounds used in medicine, vii. 256
di-iodo-salicylate, v. 210
di-thio-salicylate, vii. 9, 258
ethylate, as a caustic, ii. 758
fluoride, iv. 786
hydrate, vii. 256
poisoning by, v. 844
hydroxide, vii. 256
poisoning by, v. 844
hypophosphite, iv. 824
hyposulphite, vii. 558
antidotal action of, i. 373
germicidal action of, iv. 336
iodide, v. 203
iodo-albuminum, iii. 730
in the urine, viii. 55
nitrate, vii. 258
nitrite, vi. 291
oleate, iv. 16; vii. 258
para-fluoro-benzoate, vii. 258
persulphate, vi. 574; vii. 258
phosphate, vii. 258
as a cholagogue, iii. 31
as a purgative, vi. 811
phosphates and carbonates, alkalinity of blood due to, ii. 24
properties of the compounds of, vii. 256
pyroborate, vii. 257
pyrophosphate, normal, vii. 258
salicylate, vii. 8
as a cholagogue, iii. 29
salts as cholagogues, iii. 29
sulphate, vii. 257
as a cholagogue, iii. 31
as an antidote, i. 373
normal, vii. 257
sulphite, vii. 558
as a germicide, iv. 336
normal, vii. 558
sulphocaffeate, vi. 149
sulphocarbonate, vii. 558
sulphoricinate, vi. 731
tellurate, vii. 663
tetraborate, vii. 257
thiophenylsulphonate, vii. 741
thiosulphate, vii. 558
Sodomy, signs of, vi. 849
Softening of the brain, ii. 395
diagnosed from brain tumor, ii. 450
Soil, a means of spreading cholera, viii. 359
bacteriological examination of, viii. 403
character of, for houses, iv. 751
influence of, on dysentery, iii. 566
upon climate, iii. 140
in relation to health, vii. 258
of house, examination of, iv. 768
relation of absorption and radiation of heat in various kinds of, iii. 140
Soil pipes, ventilation of, iv. 764
"Solace," ambulance ship, vi. 186
Solanaceae, vi. 699; and see *Bittersweet*
poisonous, i. 610
plants of, vi. 694
Solanin, i. 763
Solanine, i. 763
effect of, upon body temperature, ii. 571

Solanum dulcamara, i. 763; vi. 699
nigrum, vi. 699
Solar ganglion, vii. 578
plexus, vii. 578
Soldiers, diseases of, ii. 572
weight of, iv. 420
to be carried by, v. 797
Soldier's heart, iv. 613
Soleus muscle, v. 480
anomalies of, vi. 58
Solifuga, v. 160
Solis-Cohen's apparatus for in-
haling compressed air and exhaling
into rarefied air, i. 132
Soluble silver, vii. 216
Solution, a form of medicine, v. 738
compound, of iodine, v. 205
Donovan's, i. 524
Fowler's, i. 524
Labarraque's, iii. 6
Lugol's, v. 205
Magendie's, v. 864
Monsel's, v. 228
normal, ii. 43, 68
of acetate of ammonium, i. 216
of iron, v. 225
of arsenate of sodium, i. 524
of arsenious acid, i. 524
of arsenite of potassium, i. 524
of chlorinated soda, iii. 6
of citrate of iron, v. 226
of magnesium, v. 673
of potassium, vi. 744
of hydrogen dioxide, iv. 786
of iodide of arsenic and mercury,
i. 524
of iron, v. 227
of nitrate of iron, v. 228
of mercury, v. 754
of persulphate of iron, v. 228
of phosphorus, vi. 621
of potassa, vi. 743
of soda, vii. 256
of subacetate of lead, v. 471
of subsulphate of iron, v. 228
of sulphate of iron, v. 228
of morphine, v. 864
of zinc, viii. 339
physiological, ii. 43
preparation of, for hypodermatic
use, iv. 821
Thompson's, vi. 621
Solutions, hyperisotonic, viii. 417
hypertonic, viii. 417
hypotonic, viii. 417
isotonic, viii. 417
Solveol, vii. 261
Solvin, vi. 731
Somatology, witness of, to man's
ancestry, iv. 38
Somnal, vii. 261
Somnambulism, iii. 261
catalepsy with, ii. 718
induced by hypnosis, iv. 812
Somnolence, accompanied by sleep-
lessness, iii. 560
forms of, iii. 560
Soor, viii. 488
Sophora, vi. 702
coralloides, vi. 702
Sopor, iii. 561
Sore, Kandahar, i. 170
Natal, i. 170
Pendjeh, i. 170
Sahara, i. 170
Sore throat, v. 410; and see *Pharyn-
gitis*
aphthous, vi. 591

Sore throat, clergyman's, see *Pha-
ryngitis, chronic follicular*
common membranous, vi. 591
hospital, vi. 592
Sorghum sugar, vii. 548
Soroche, i. 150
Sorrel, vi. 706
field, vi. 706
salt of, vi. 452
sheep, vi. 706
wood, vi. 706
Soudan coffee, see *Kola nut*
Souffle, funic, iv. 342
uterine, iv. 342
Sound or sounds, as an aid in the
judgment of direction, iii. 493
bell, ii. 818
cracked-pot, ii. 816
curved steel, viii. 21
direction of, i. 624
distance of, i. 624
friction, ii. 819
harmonic, i. 613
interference with, i. 614
of the heart, iii. 106
physics of, i. 611
quality of, i. 613
origin of, i. 612
range of pitch of audible, i. 612
respiratory, cause of, ii. 817
sensation of, i. 612
uterine, iv. 465
vibrations, i. 611
waves, i. 611
Sour Spring, i. 320
South America, history of yellow
fever in, viii. 585
South Carolina, history of yellow
fever in, viii. 587
requirements for medical prac-
tice in, iv. 48
South Dakota, requirements for
medical practice in, iv. 48
South Dakota Hot Springs, vii.
261
Southern pines, vi. 636
Sozins, iii. 844
Soziodol, vii. 262
Sozol, vii. 262
Sozolic acid, i. 570
Space, epidural, ii. 211
paranasal, ii. 262
Spain, Pharmacopœia in, vi. 585
Spanish fly, ii. 651; v. 166
plaster of, ii. 15
Spar, heavy, i. 734
Sparkling Catawba Springs, vii.
262
Sparta Mineral Wells, vii. 262
Sparteine, ii. 498
as cardiac stimulant, ii. 702
Spasmodic disorders, table of, iii.
275
Spasmodic toxin, ptomain, vi. 790
Spasms, see *Convulsions*
articulatory, iv. 823
in brain tumors, ii. 439
laryngeal, v. 438
lingual, iv. 823
masticatory, iv. 823
meaning of the term, iii. 275
of the cardia of the stomach, vii.
502
of the constrictors of the pha-
rynix, vi. 605
of the diaphragm, iii. 436
of the glottis, v. 429
of the hand, iv. 531

Spasms of the pylorus, vii. 502
Spatula, for histological work, iv.
716
Roux', viii. 386
Spearmint, vii. 262
Species, in heredity, iv. 659
Specific-gravity method of esti-
mating hæmoglobin, ii. 59
Specific ulcers, vii. 944, 947
Spectacles, vii. 263
Spectrometry of blood, ii. 77
Spectroscopy, medical, vii. 272
Spectrum, vii. 272
of blood, ii. 76, 77
**Spectrum analysis of blood
stains**, ii. 76
Speculum, cystoscopic, i. 779
ear, iii. 662
gynecological, iv. 462
nasal, vi. 107
Speech, v. 451; and see *Larynx*,
physiology of
area of, i. 411
centres for, i. 411
defects of, v. 456; and see *Stam-
mering and stuttering*
disorders of, in cerebral tumors,
ii. 445
in feeble-minded children, v. 148
physiology of, v. 452
Spence's method of amputation at
shoulder, i. 254
Spermaceti, vii. 277
Spermatic artery, anomalies of, i.
533
Spermatic colic, vii. 192
Spermatic cord, hydrocele of, vii.
187
structure of, iv. 326
tumors of, vii. 190
Spermatic plexus, vii. 578
Spermatic veins, anomalies of, viii.
206
Spermatids, iv. 326; vi. 865
Spermatocoele, iii. 351; vii. 187
Spermatocyte, iv. 325; vi. 865; vii.
280
Spermatogenesis, iv. 325; vii. 280
Spermatogone, iv. 325
Spermatogonia, vi. 865; vii. 279
Spermatorrhœa, vii. 192
Spermatozoa, iv. 326; vii. 277
embryology of, vi. 865
entrance of, into the ovum, iv.
847
histogenesis, vii. 280
historical, vii. 277
in the urine, viii. 57
morphology, vii. 279
structure and development of,
vii. 279
varieties of, in different species,
vii. 279
Spermin, ptomain, vi. 786
Sperm nucleus, formation of, iv.
847
Sphacelia segetum, iv. 1
Sphacelinic acid, iv. 2
Sphacelium, iv. 1
Sphacelotoxin, iv. 2
Sphæriales, iv. 280
Sphæcius speciosus, v. 167
Sphenoidal sinus, vi. 105; vii. 236
diseases of, vi. 147
Sphenopharyngeus muscle, vi.
47
Spherical aberration, iv. 84, 91
Spherospermia, vii. 277

Sphex ichneumonæa, v. 168
pennsylvanica, v. 168
Sphincter ani muscle, anomalies
of, vi. 61
spasm of, i. 405
Sphincter pupillæ, iv. 75
Sphygmograms, vi. 779; vii. 283;
and see *Pulse and Pulse tracings*
Sphygmograph, criticism and ap-
preciation of, vi. 803
Dudgeon's, vii. 284
Marey's, vii. 283
Richardson's, vii. 284
Sphygmography, vii. 283
combined, vii. 285
direct, vii. 283
indirect, vii. 284
Sphygmomanometer of Mosso,
iii. 98
of von Basch, vi. 803
Sphygmometer of Hill and Bar-
nard, vi. 803
Spica bandage, i. 728
Spices, adulteration of, iv. 183
Spider cancer, vi. 90
cells, vi. 238
nævus, vi. 90
Spiders, i. 428; v. 159
bird, v. 159
bite of, i. 428
poisonous, v. 159
scorpion, v. 159
tarantula, v. 159
wolf, v. 159
Spigelia, vi. 636
anthelmia, vi. 637
marilandica, vi. 636
used for round-worm, i. 362
Spigeline, vi. 637
Spike oil, v. 468
Spina bifida, vii. 285, 695
aspiration in, i. 581
cystica, vii. 696
differential diagnosis of varieties
of, vii. 289
genesis of, vii. 697
kyphosis in, v. 377
natural history of, vii. 289
occulta, vii. 291, 697, 720
pathology, vii. 285
treatment, vii. 290
with talipes, iv. 232
Spinal accessory nerve, surface
markings, vi. 191
Spinal anæsthesia, vii. 291, 345
Spinal apoplexy, vii. 349
Spinal ataxia, vii. 346
Spinal bath, iii. 193
Spinal canal, defects caused by
imperfect closure of, vii. 695
**Spinal cocainization and lumbar
puncture**, vii. 291
Spinal column, anatomy of, v. 377
curves of, v. 377
Spinal cord, vii. 293
anterior funiculus, vii. 305
roots, vii. 304
arteries of, vii. 299
blood supply of, vii. 299
cauda equina, vii. 301
central canal, vii. 303
motor neurones, vii. 323
sensory neurone system, vii.
320
cerebello-spinal neurone system,
vii. 326
cerebro-spinal motor neurones,
vii. 323

Spinal cord, centrifugal neurone
system, vii. 323
centripetal paths in, vii. 317
columna grisea anterior, vii. 307
grisea lateralis seu interme-
diolateralis, vii. 311
grisea posterior, vii. 309
intermedia, vii. 311
commissura centralis anterior,
vii. 312
conduction method of Flechsig,
vii. 313
method of Golgi, vii. 312
method of Gotch and Hors-
ley, vii. 317
method of von Gudden, vii.
316
method of Waller or Türk,
vii. 315
paths of, vii. 312
Weigert's myelin-sheath
method, vii. 312
coverings of, vii. 298
examination of, in autopsies, ii.
658
functions of the segments of, vii.
338
localization of, vii. 340
general description of the, ma-
croscopic appearances, vii.
293
sensory paths in, vii. 317
growth changes in, ii. 314
in medico-legal autopsy, i. 659
in the cervical vertebræ, vi. 200
lateral funiculus of, vii. 305
length of, vii. 301
lesions of, a cause of hemiplegia,
iv. 633
limits of, vii. 300
macroscopical details of, vii. 300
mesencephalospinal neurone sys-
tems, vii. 325
methods for localization of con-
duction paths, vii. 312
microscopic anatomy, vii. 304
myelencephalospinal neurone
system, vii. 326
olivospinal neurone system, vii.
326
peripheral sensory neurone sys-
tems, vii. 317
pontospinal neurone system, vii.
326
portions involved in knee-jerk,
v. 366
posterior funiculus, vii. 306
roots, vii. 304
relations of gray and white mat-
ter, vii. 302
of segments of, to spinous
processes, vii. 301
retrospinal neurone system, vii.
325
sclerosis of, vi. 498
section of, influence on knee-
jerk, v. 366
in new-born, vi. 275
sensory or centripetal paths, vii.
317
softening of, vi. 498
spinopetal neurone system, not
pyramidal, vii. 325
substantia grisea centralis, vii.
311
thalamospinal neurone system,
vii. 325
veins of, vii. 300

Spinal cord, vestibulospinal neu-
rone systems, vii. 326
weight of, vii. 301
at different ages, ii. 317
Spinal cord, diseases of, a cause of
headache, iv. 553
acute and chronic myelitis, vii.
353
anterior poliomyelitis, vii.
361
ascending paralysis, vii. 327
cerebro-spinal fever, vii. 329
cerebro-spinal meningitis,
vii. 329
external meningitis, vii. 332
purulent leptomeningitis,
vii. 329
secondary leptomeningitis,
vii. 332
spinal meningitis, vii. 329
amyotropic lateral sclerosis, vii.
351
cervical hypertrophic pachy-
meningitis, vii. 333
chronic spinal meningitis, vii.
334
combined degenerations, vii. 335
dorsal and lateral systemic
disease, vii. 337
sclerosis, vii. 335
systemic disease, vii. 337
congestion of, vii. 337
diagnosis of local lesions of, vii.
338
diffuse degeneration, vii. 335
disturbances of spinal reflex, vii.
346
electrotherapeutics in, iii. 760
epidemic cerebro-spinal menin-
gitis, vii. 329
Friedreich's ataxia, vii. 347
Gowers' ataxia paraplegia, vii.
337
hemorrhage in, vii. 349
hereditary ataxia, vii. 347
Landry's paralysis, vii. 327
lateral sclerosis, vii. 350
meningeal hemorrhage, vii. 352
meningitis, syphilitic, vii. 335
myelitis, vii. 353
poliomyelitis anterior, vii. 361
spinal hemiplegia, vii. 372
subacute combined degenera-
tion, vii. 335
spinal ataxia, vii. 335
symptoms leading to the diag-
nosis of local lesions in the,
vii. 344
syringomyelia, vii. 373
tabes, vii. 378
tuberculous meningitis, vii. 333
tumors, vii. 382
character of, vii. 384
Spinal irritation, see *Neurasthenia*
Spinalis cervicis muscle, anom-
alies of, vi. 60
Spinalis dorsi muscle, anomalies
of, vi. 60
Spinal nerves, vii. 294
composition of typical, iii. 313
Spinal paralysis, vii. 344
**Spinal progressive muscular
atrophies**, vi. 64
Spindle, aortic, i. 407
Spindle-cell sarcoma, vii. 33
Spindle tree, viii. 273
Spine, acute osteomyelitis of, vii.
388

Spine, adolescent kyphosis of, vii. 389
cells, iii. 854
cervical arthritis of, vii. 388
changes in nails in diseases of, vi. 96
curvature of, anterior, v. 571
deformities of, ii. 804
dislocations of, iii. 512
causing kyphosis, v. 377
fracture of, causing kyphosis, v. 377
gonorrhoeal arthritis of, vii. 388
gunshot wounds of, iv. 451
hysterical spine, vii. 389
lateral curvature of, v. 456; and see *Scoliosis*
deviation, v. 457
rotation of, v. 457
malignant, vii. 387
meningocele of, vii. 287
neurotic spine, vii. 389
osteo-arthritis of, vi. 247
rachitic, vii. 388
spondylitis deformans, vii. 388
spondylolisthesis, vii. 390
surgery of, vii. 390
syphilis, vii. 387
torsions of, causing kyphosis, v. 377
traumatic spondylitis, vii. 388
traumatism of, vii. 388
tuberculous disease of, vii. 394
"typhoid," vii. 388
Spiræa, vi. 1000
Spiral bandage, i. 727
Spireme, iii. 72
Spirillum, i. 681
cheese, i. 716
cholera, i. 714; viii. 363
biological characters, viii. 365
morphology, viii. 364
Finkler-Prior's, i. 719
Metschnikov's, i. 717
of relapsing fever, i. 717; vi. 885
Spirit, a form of medicine, v. 738
aromatic, of ammonia, i. 215
Columbian, v. 781
compound, of captol, ii. 654
of ether, i. 361; iv. 13
methylated, i. 168
of ammonia, i. 215
of chloroform, iii. 8
of cinnamon, iii. 95
of ether, iv. 13
of gaultheria, viii. 313
of glonoïn, vi. 293
of juniper, v. 299
of lavender, v. 468
of lemon, v. 488
of Mindererus, i. 216
of nitrous ether, vi. 290
of orange peel, vi. 398
of peppermint, vi. 534
of phosphorus, vi. 621
of spearmint, vii. 263
of turpentine, vii. 913
oil, i. 169
pyroacetic, i. 65
pyroligneous, v. 780
pyroxylic, v. 780
rectified, of turpentine, vii. 913
sweet, of nitre, vi. 290
wood, v. 780
Spirits, as beverages for soldiers, v. 806
Spirituous liquors, distilled, i. 169

Spiritus frumenti, i. 167
myrciæ, i. 737
odoratus, i. 747
vini gallici, i. 167
Spirochaete, i. 681
Obermeieri, vi. 885
Splanchnic nerves, vii. 577
Splanchnoptosis, viii. 431
Splay foot, iv. 198
Spleen, vii. 410
abnormalities of, vii. 425
abnormal placement of, vii. 425
abscess of, vii. 427, 429
amyloid, i. 32
degeneration of, i. 270
anatomy of, i. 14; vii. 429
arteries of, vii. 414
within the lobule, vii. 419
capsule, structure of, vii. 410
condition of the, in diphtheria, iii. 484
degeneration of, i. 270
anatomy of, i. 14; vii. 429
arteries of, vii. 414
within the lobule, vii. 419
capsule, structure of, vii. 410
condition of the, in diphtheria, iii. 484
cysts of, iii. 350; vii. 430
diseases of, vii. 424
echinococcus cysts in, i. 32
enlarged, acute, i. 31
chronic, i. 31
diagnosed from renal tumor, v. 328
experiments on the circulation through the, vii. 422
extirpation of, results of, vi. 414; vii. 429
extract of, injection of, vi. 414
therapeutics of, vi. 414
framework of, vii. 410
hæmatopoietic function of, vi. 413
hyperplasia, acute, of, vii. 425
chronic, of, vii. 426
infarcts of, vii. 427
in Hodgkin's disease, iv. 729
injuries of, i. 17
in leukæmia, v. 499, 502; vii. 430
lobule of, vii. 417
arteries within, vii. 419
lymphatics of, v. 638
malformations of, vii. 705
movable, vii. 425, 430
nerves of, vii. 424
passive congestion of, i. 32
pulp of, vii. 424
cords of, vii. 417
cords, reticulum of, vii. 419
reticulum of, vii. 413
rupture of, vii. 426
seat of formation of erythrocytes, ii. 18
surgical affections of, vii. 429
syphilitic lesions of, vii. 624
topography of, ii. 814
trabeculae, structure and arrangement of, vii. 411
tumors of, i. 31; vii. 428, 430
veins of, vii. 415
wandering, i. 32; vii. 425, 430
Splenectomy, effects of, vi. 414; vii. 429
Splenic anæmia, vii. 428
Splenic extract, injection of, vi. 414
therapeutics of, vi. 414
Splenic fever, i. 363
Splenic tumor, vii. 425
Splenitis, acute, vii. 425
Splenius accessorius muscle, vi. 60
Splenius muscle, anomalies of, vi. 60

Splenolymph gland, iv. 469; and see *Hæmolymph gland*
Splints, iii. 556; and see *Dressings, surgical*
adhesive plaster, iv. 254
board, iv. 254
coaptation, iv. 266
distraction, v. 281
Esmarch's double-inclined plane, iv. 256
felt, iii. 557
for traction on the knee, v. 287
gutta-percha, iv. 456
Hodgen's, iv. 265
Hammond's wire, v. 253
interdental, v. 253
leather, iii. 557
liquid glass, iv. 255
mechanical, iv. 255
metallic, iii. 556
moulded, iv. 254
plaster-of-Paris, to make, iv. 254
protection, v. 282
side, iv. 266
silicate of soda, v. 255
Smith's anterior, iv. 257
Thomas, v. 278
tin, iii. 556
traction, v. 280
Volkman's, iv. 255
wood, iii. 556
Spondylitis deformans, vii. 388
rhizomelia, vi. 970
traumatica, vii. 388
Spondylolisthesis, see *Spine, diseases of*
Sponges, vii. 430
carbonized, vii. 430
grass, vii. 430
Levant, vii. 430
Mediterranean bath, vii. 430
preparation of, i. 567; iii. 555
reef, vii. 430
sheepswool, vii. 430
sterilization of, i. 567
Turkey, vii. 430
velvet, vii. 430
Zimocca, vii. 430
Sponge tents, vii. 430
Spongia usta, vii. 430
Spongioplasm, ii. 761
Spontaneous combustion, ii. 522
Spoon-nails, vi. 93
Spores, formation of, i. 681
germination of, i. 681
methods of staining, viii. 397
Spots, germinal, vi. 448
of Sömmering, iv. 77
post-mortem, ii. 536
yellow, iv. 77
Spotted fever, vii. 930; viii. 574
Sprague's rubber bag, iii. 595
Sprains, i. 465; v. 289
ballet-dancers', iii. 274
diagnosis, v. 290
fracture, v. 290
massage for, v. 698
of the spine, vii. 392
pathology, v. 290
prognosis, v. 291
sequela, v. 291
symptoms, v. 290
treatment, iii. 274; v. 290
Spray, v. 734
atomized, v. 733
douche, iii. 194
Sprengel's disease, ii. 806

Sprengel's method of resection of hip, vi. 941
Spring Lake Well, vii. 431
Spunk, i. 138; vii. 431
Spur, bronchial, v. 577
of trachea, v. 576
Spurge family, iv. 17
poisonous, vi. 705
Spurred rye, iv. 1
Sputum, vii. 431
parasites in, vi. 501
Squamous epithelium, iii. 854
Squaw root, iii. 191
Squill, vii. 434
action of, upon the heart, ii. 703
as a diuretic, iii. 548
as an expectorant, iv. 50
compared with digitalis, ii. 703
Squint, vii. 530
paralytic, vii. 532
St. Leonards, England, see *Hastings and St. Leonards*
St. Regis Spring, v. 699
St. Vitus' dance, iii. 41; and see *Chorea*
Stab cultures, viii. 389
Stachys betonica, i. 751
Stacke's mastoid operation, v. 709, 713
Stafford Mineral Spring, vii. 434
Stafford Springs, vii. 435
Stage, mechanical, ii. 66
Stagger bush, vi. 707
Staining, double, iv. 721
jar for serial sections, iv. 717
metallic, iv. 721
methods of, iv. 718
for nerve tissues, ii. 325
of bacteria, viii. 395
of blood, ii. 61
reaction of blood corpuscles, ii. 67
special, iv. 721
Stains, Gram's, viii. 397
used in microscopical technique, ii. 65
Stammering and stuttering, vii. 435
physiology of, v. 456
Stamp-lickers' tongue, vi. 321
Standardization of media, viii. 378
Stannous chloride as a germicide, iv. 336
Stapedectomy, iii. 673
Stapedius muscle, i. 619
Stapes, i. 617; iii. 586
Staphisagria, vii. 454
Staphisagrine, vii. 454
Staphylococcus, i. 680
pyogenes albus, i. 705
aureus, i. 709, 704
aureus, effect of, upon body temperature, ii. 570, 571
citreus, i. 705
epidermidis albus, i. 705
in dissection and operation wounds, iii. 530
in phlegmons, vi. 611
tetragenus, i. 705
Staphyloma of the cornea, iii. 283
of the sclera, vii. 75
Staphylorrhaphy, iii. 134, 135
Starch, vii. 439
action of ptyalin upon, iii. 471
arrowroot, i. 522; vii. 440
as an antidote, i. 372
corn, vii. 440

Starch, general description of, vii. 439
glycerite of, vii. 441
in milk, detection of, v. 840
iodized, v. 205; vii. 441
maize, vii. 440
maranta, i. 522
medical and surgical uses of, vii. 440
potato, vii. 440
rice, vii. 440
sago, vii. 440
tapioca, vii. 440
varieties of, vii. 440
wheat, vii. 440
Star grass, i. 170
Stark Mineral Spring, vii. 441
Starvation, vii. 441
as a therapeutic measure, iii. 42
body temperature during, vii. 442
changes in tissues during, v. 768
circulation during, vii. 442
clinical observations during, vii. 444
death from, i. 674
dietetic treatment after, vii. 445
duration of life during, vii. 443
feces during, vii. 443
from fluids, but not from solids, vii. 443
from solids, but not from fluids, vii. 443
loss of weight during, v. 768; vii. 441
nitrogen output during, v. 768
respiration during, vii. 442
treatment, vii. 445
urinary secretion during, vi. 442
Starwort, mealy, i. 170
Stasis, see *Circulation, pathology of*
State medicine and insanity, v. 71
in the female, vii. 455
causation, vii. 455
prognosis, vii. 457
treatment, vii. 457
in the male, vii. 193
etiology, vii. 193
symptoms, vii. 193
treatment, vii. 139
Sterilization, viii. 380
fractional, i. 686
methods of, viii. 380
of gloves, iv. 373
of milk, v. 839
Sterilizer, Arnold's steam, viii. 381
Koch's dry-heat, viii. 380
steam, viii. 380
Novy's steam, viii. 381
Sternalis brutorum muscle, vi. 49
Sternalis muscle, anomalies of, vi. 49
Sternal lymphatic glands and plexus, v. 644
Sterno-chondro-scapular muscle, vi. 50
Sterno-clavicular joint, diseases of, v. 277
Sterno-cleido-mastoideus, anomalies of, vi. 44
hæmatoma of, in the new-born, vi. 277
Sterno-fascialis muscle, vi. 45
Sterno-hyoideus, anomalies of, vi. 44
Sterno-mastoid muscle, vi. 44
Sterno-occipital muscle, vi. 44

Stavesacre, vii. 454
Steam as a disinfectant, iii. 499
disinfecting chamber, iii. 500; vi. 822
Steamboat Springs, vii. 454
Steam heating for houses, iv. 760
Steapsin, iii. 474; vi. 463
action of, iii. 474; vi. 480
Steatadenoma, i. 115
Steatoma, vii. 455; viii. 478, 480
Steel dust, effects of inhaling, vi. 324
Steel workers, health of, vi. 324
Steeple bush, vi. 1000
Stegomyia, v. 867
fasciata, v. 868
in etiology of yellow fever, viii. 330
Stem pessaries, viii. 82
Stenopæic apparatus, i. 594
Stenosis, acquired, of canal of cervix uteri, viii. 68
aortic, ii. 824
mitral, ii. 824
of the colon, iii. 202
of the larynx, v. 437, 441
of the œsophagus, vi. 338, 346
of the pharynx, vi. 600
of the ureter, viii. 11
of the vagina, viii. 156
of the veins, viii. 215
pulmonary, ii. 825
pyloric, vii. 519
tricuspid, ii. 824
Stenson's duct, injuries to, vi. 510
Stephanion, vii. 229
Sterculia, ii. 546
Stère, viii. 299
Steriform chloride, iv. 246
iodide, iv. 246
Sterility in consanguineous marriages, iii. 257
in the female, vii. 455
causation, vii. 455
prognosis, vii. 457
treatment, vii. 457
in the male, vii. 193
etiology, vii. 193
symptoms, vii. 193
treatment, vii. 139
Sterilization, viii. 380
fractional, i. 686
methods of, viii. 380
of gloves, iv. 373
of milk, v. 839
Sterilizer, Arnold's steam, viii. 381
Koch's dry-heat, viii. 380
steam, viii. 380
Novy's steam, viii. 381
Sternalis brutorum muscle, vi. 49
Sternalis muscle, anomalies of, vi. 49
Sternal lymphatic glands and plexus, v. 644
Sterno-chondro-scapular muscle, vi. 50
Sterno-clavicular joint, diseases of, v. 277
Sterno-cleido-mastoideus, anomalies of, vi. 44
hæmatoma of, in the new-born, vi. 277
Sterno-fascialis muscle, vi. 45
Sterno-hyoideus, anomalies of, vi. 44
Sterno-mastoid muscle, vi. 44
Sterno-occipital muscle, vi. 44