

**Explosive gelatin**, vii. 910  
**Explosive medicinal compounds**, iv. 854  
**Explosives**, iv. 429; vii. 909; and see *Gunshot wounds*  
**Exposure** as a cause of disease, in armies, ii. 615  
**Expression**, physical, in insanity, v. 55, 57  
**Exstrophy of bladder**, i. 788; vii. 25  
**Extension**, Buck's, iv. 265  
 in treatment of dislocations, iii. 511  
 of fractures, iv. 265  
 of hip-joint disease, v. 279  
**Extensor brevis digitorum**, iv. 194; vi. 55  
**Extensor brevis digitorum pedis**, anomalies of, vi. 58  
**Extensor brevis hallucis**, vi. 58  
**Extensor brevis pollicis**, iv. 242  
**Extensor carpi radialis accessorius**, vi. 54  
**Extensor carpi radialis brevior**, iv. 241  
 anomalies of, vi. 54  
**Extensor carpi radialis longior**, iv. 241  
 anomalies of, vi. 54  
**Extensor carpi ulnaris**, iv. 241  
 anomalies of, vi. 54  
**Extensor coccygis**, vi. 60  
**Extensor communis digitorum**, iv. 241  
 anomalies of, vi. 54  
**Extensor hallucis longus tricarpi**, vi. 57  
**Extensor indicis**, iv. 243  
 anomalies of, vi. 55  
**Extensor indicis brevis**, vi. 55  
**Extensor longus digitorum pedis**, anomalies of, vi. 57  
**Extensor longus pollicis**, iv. 242  
**Extensor minimi digiti**, iv. 241  
 anomalies of, vi. 54  
**Extensor ossis metacarpi pollicis**, iv. 242  
 anomalies of, vi. 54  
**Extensor ossis metatarsi hallucis**, anomalies of, vi. 57  
**Extensor primi internodii hallucis**, anomalies of, vi. 57  
**Extensor primi internodii pollicis**, iv. 242  
 anomalies of, vi. 55  
**Extensor primi internodii pollicis et indicis**, vi. 55  
**Extensor proprius digiti medii**, vi. 55  
**Extensor proprius hallucis**, iv. 194, 196  
 anomalies of, vi. 57  
**Extensor quadriceps femoris**, vii. 788  
**Extensor secundi internodii pollicis**, iv. 242  
 anomalies of, vi. 55  
**External abdominal oblique muscle**, anomalies of, vi. 61  
**External carotid artery**, anomalies of, i. 526  
**External genital organs**, male, development of, iv. 317  
**External iliac artery**, anomalies of, i. 534  
**External intercostal muscles**, anomalies of, vi. 60

**External jugular vein**, anomalies of, vii. 202  
**External plantar artery**, anomalies of, i. 535  
**External pterygoïd muscle**, anomalies of, vi. 43  
**Extraction of teeth**, vii. 661  
**Extracts**, v. 786  
 aqueous, of aloes, i. 194  
 bone-marrow, vi. 414  
 compound, see *Compound extract*  
 ethereal, see *Ethereal extract*  
 fluid, see *Fluid extract*  
 Goulard's, v. 471  
 heart, vi. 417  
 hepatic, vi. 416  
 intestine, vi. 416  
 kidney, vi. 416  
 liver, vi. 416  
 lung, vi. 417  
 mammary gland, vi. 416  
 muscle, vi. 417  
 nervous tissues, vi. 415  
 of aconite, i. 84  
 of aloes, i. 194  
 of arnica root, i. 521  
 of belladonna, i. 743  
 of blue flag, iv. 158  
 of bryony, ii. 499  
 of Calabar bean, vi. 549  
 of cannabis indica, ii. 649  
 of celandine, ii. 760  
 of cimicifuga, iii. 88  
 of cinchona, iii. 89  
 of colchicum root, iii. 192  
 of colocynth, iii. 201  
 of conium, iii. 239  
 of dandelion, iii. 352  
 of digitalis, iii. 478  
 of ergot, iv. 8  
 of euonymus, viii. 273  
 of gentian, iv. 328  
 of glycyrrhiza, v. 518  
 of haematoxylon, v. 567  
 of hyoscyamus, iv. 637  
 of iris, iv. 158  
 of jalap, v. 241  
 of jambul, v. 244  
 of kava, v. 302  
 of lactucarium, v. 403  
 of leptandra, v. 490  
 of liquorice, v. 518  
 of nux vomica, vi. 308  
 of opium, vi. 386  
 of pichi, vi. 632  
 of podophyllum, vi. 690  
 of poppy capsule, vi. 735  
 of Prunus virginiana, ii. 804  
 of quassia, vi. 827  
 of rhatany, vi. 964  
 of rhubarb, vi. 974  
 of stramonium, vii. 585  
 of taraxacum, iii. 352  
 of wahoo, viii. 273  
 of wild cherry, ii. 804  
 organic, vi. 409  
 orchitic, vi. 415  
 ovarian, vi. 415  
 pancreatic, v. 829  
 parotid gland, vi. 417  
 splenic, vi. 414  
 suprarenal, vi. 412  
 testicular, vi. 415  
 thebaic, see *Opium*, vi. 383  
 thymus, vi. 413  
 thyroid, vi. 410  
**Extradural abscess**, ii. 415  
**Extra-uterine pregnancy**, iv. 54

**Extra-uterine pregnancy**, anatomical considerations, iv. 57  
 classification, iv. 55  
 decidua in, iv. 57  
 diagnosis, iv. 59  
 etiology, iv. 54  
 fate of fetus, iv. 57  
 frequency of, iv. 54  
 placenta in, iv. 58  
 rupture of, into peritoneal cavity, iv. 56  
 symptoms, iv. 58  
 theories of causation, iv. 54  
 treatment, iv. 60  
**Extravasation** following contusions, iii. 273  
**Extremities**, hyperkeratosis of, v. 305  
**Extrubation**, v. 197  
**Exudates**, iv. 60  
 causes of, iv. 62  
 fibrinous, iv. 61  
 formation of, theories for, iv. 61  
 hemorrhagic, iv. 61  
 inflammatory, iv. 62  
 leucocytes in, iv. 61  
 pathological, iv. 62  
 plastic, in eczema, iii. 708  
 purulent, iv. 61  
 serous, iv. 61  
 in eczema, iii. 708  
**Exudation**, pathological, iv. 60  
**Eye**, iv. 63; and see *Orbit*, *Conjunctiva*, *Retina*, *Iris*, etc.  
 accommodation, iv. 93  
 action of cocaine on the, iii. 158  
 affections of, cause of headache, iv. 549  
 angles of, iv. 64  
 arcus senilis, i. 440  
 artificial, i. 556  
 history of, i. 556  
 manufacture of, i. 557  
 mode of introducing and removing, i. 558  
 asthenopia, i. 581  
 astigmatism, iv. 91  
 bandage for, i. 729  
 blepharitis, iv. 119  
 blepharoplasty, iv. 122  
 cataract, ii. 719  
 changes in, during accommodation, iv. 93  
 in diabetes, iii. 429  
 choroid, iv. 72  
 chromatic aberration, iv. 91  
 ciliary body, iv. 73  
 commotio retinae, iv. 99  
 conjunctivitis, iii. 240  
 cornea, iv. 70  
 crystalline lens, iv. 81  
 development, iv. 65  
 organic, vi. 409  
 diaphragmatic, iv. 90  
 dioptics of, iv. 88  
 diseases of, see under *Cataract*, *Choroid*, *Conjunctiva*, *Cornea*, *Glaucoma*, *Hypermetropia*, *Myopia*, etc.  
 diseases of, occupation causing, vi. 320  
 of the lids, iii. 240; iv. 117  
 examination of, in case of injury, iv. 98  
 field of vision, iv. 91  
 foreign bodies in, iv. 104

**Eye**, foreign bodies in, removal of, by magnets, iv. 104  
 function of, in maintaining equilibrium, iii. 858  
 fundus of, appearance of, vi. 372; see *Ophthalmoscope*  
 general arrangement, iv. 63  
 hemorrhage from, iv. 98  
 hypermetropic, iv. 796  
 inherited syphilis, vii. 621  
 injuries of, iv. 97  
 a cause of blindness, ii. 11  
 iridectomy, v. 212  
 iridotomy, v. 216  
 iris, iv. 74  
 anomalies of, vi. 216  
 iritis, vi. 218  
 lymphatic vessels of, v. 628  
 malformation of, vii. 699  
 measurement of the position of the, vi. 397  
 membrane of Descemet, iv. 71  
 mydrastics, vi. 70  
 myopic, vi. 77  
 myotics, vi. 70  
 operations on, comparative value of, i. 557  
 unsuccessful, a cause of blindness, ii. 11  
 ophthalmoscopy, vi. 367  
 parasites in, vi. 500  
 physical conditions of, iv. 97  
 post-mortem appearances of, ii. 535  
 presbyopia, vi. 758  
 pterygium, iii. 247  
 refraction, iv. 83  
 refractive apparatus of, viii. 241  
 imperfections of, viii. 241  
 relations, iv. 64  
 retina, iv. 77  
 rods and cones, iv. 78  
 sclera, iv. 68  
 spherical aberration, iv. 91  
 strabismus, vii. 530  
 surgery of, cocaine in, iii. 158  
 syphilitic affections of, vii. 619  
 irritation of, vii. 594  
 neuroses of, vii. 594  
 tumors of, iv. 105  
 a cause of blindness, ii. 11  
 vision, viii. 240  
 visual field, iv. 91  
 vitreous humor, iv. 82  
**Eyeball**, iv. 63  
 dislocation of, vi. 408  
 enucleation and evisceration of, viii. 444  
 influence of sympathetic system on, vii. 587  
 measurement of movement of, vi. 397  
**Eyeglasses**, vii. 263  
**Eyelids**, iv. 64  
 acne of, iv. 117  
 adenocarcinoma of, iv. 107  
 adenomata of, iv. 107  
 affections of, iv. 116  
 angioma of, iv. 106  
 atresia of, i. 603  
 benign tumors of, iv. 105  
 burns of, iv. 122  
 canities of, iv. 120  
 chalazion of, iv. 106  
 chance of, iv. 117  
 coloboma of, iv. 123  
 comedones of, iv. 118  
 diseases of, iv. 116  
**Facial expression**, importance of teeth in, vii. 650  
**Facial hemiatrophy**, viii. 448  
 course and prognosis, viii. 449  
 diagnosis, viii. 449  
 etiology, viii. 448  
 pathological anatomy, viii. 448  
 symptoms, vii. 449  
 treatment, viii. 449  
**Facial hemihypertrophy**, viii. 450  
**Facial index**, vii. 231  
**Facial nerve**, iii. 321  
**Facial neuralgia**, see *Neuralgia*, vi. 242  
**Facial paralysis**, iv. 124  
 clinical history, iv. 124  
 diagnosis, iv. 126  
 etiology, iv. 124  
 prognosis, iv. 126  
 treatment, iv. 127  
**Facial vein**, anomalies of, viii. 202  
 surface markings of, vi. 191  
**Facies** in insanity, v. 55  
**Facio-scapulo-humeral muscular atrophy**, vi. 63  
**Faecal fistula**, iii. 202  
 impaction, iii. 204  
**Fæces**, iv. 127  
 accumulation of, causing obstruction, v. 176  
 chemical composition, iv. 129  
 color of, iv. 127  
 in jaundice, v. 246  
 effects of starvation upon the composition of the, vii. 443  
 examination of, iv. 131  
 in infancy, iv. 858  
 microscopic characters, iv. 128  
 parasites in, iv. 129; vi. 501, 502  
 physical characters, iv. 127  
**Fahrenheit and centigrade scales**, iv. 132; vii. 733  
**Fainting**, see *Brain*, *anaemia* of, ii. 223  
**Fainting fit**, ii. 224  
**Falcial sinus**, ii. 260  
**Falcula**, ii. 212  
**Falkenstein, Germany**, iv. 132  
 treatment of tuberculosis at, iv. 132  
**Falling sickness**, iii. 845  
**Fallopian tubes**, iv. 133; vii. 154  
 absence of, vii. 709  
 anatomy of, iv. 133; vii. 154  
 arteries of, vii. 157  
 carcinoma of, iv. 138  
 conditions of, favoring extra-uterine pregnancy, iv. 54  
 cysts of, iii. 351; iv. 137  
 decidioma malignum, iv. 138  
 dermoids of, iv. 138  
 diseases of, iv. 133, 134  
 etiology, iv. 134  
 pathology, iv. 134  
 symptoms, iv. 135  
 treatment, iv. 136  
 embryology of, iv. 133  
 enchondroma of, iv. 138  
 inflammation of, iv. 134; and see *Salpingitis*  
 lipoma of, iv. 138  
 lymphatics of, v. 637; vii. 157  
 malformations of, iv. 134; vii. 709  
**Facial angle**, vii. 231  
**Facial artery**, anomalies of, i. 527  
 compression of, i. 537  
 surface markings of, vi. 191  
 transverse, anomalies of, i. 527

**Fallopian tubes**, sarcoma of, iv. 138  
structure, vii. 156  
syphilitic lesions of, vii. 626  
tuberculosis of, iv. 137; viii. 105  
**False turpeth root**, viii. 1  
**Falsetto voice**, physiology of, v. 456  
**Falx cerebelli**, ii. 212  
cerebri, ii. 211  
**Family in heredity**, iv. 660  
**Family history** in life insurance, v. 510  
**Famine fever**, vi. 884  
**Fan**, wing-disc, iv. 758  
**Fan ear trumpet**, iii. 633  
**Faradic batteries**, iii. 758  
electricity, iii. 757  
therapeutic effects of, iii. 757  
**Faradism** as an aid to artificial respiration, i. 561  
in insanity, v. 73  
**Fancy**, iv. 352; vi. 126; see also *Glanders*  
buttons, iv. 357  
pipes, iv. 357  
**Farfara**, iii. 225  
**Farmville Lithia Springs**, iv. 138  
**Far-point** in accommodation, vi. 78  
**Fascia**, ante-brachial, contracture of, i. 462  
axillary, vii. 207  
bicipital, iii. 735  
brachial, i. 451; iv. 239  
bulbar (of eye), iv. 65  
cervical, vi. 192  
digital, contraction of, iv. 522  
lata of the thigh, vii. 737  
of Colles, iv. 323; vi. 564  
of the abdomen, i. 3, 4  
of the arm, i. 451  
of the arm and forearm, affections of, i. 458  
infection of, i. 458  
syphilis of, i. 461  
tuberculosis of, i. 461  
of the elbow, iii. 733, 734  
of the hand, iv. 484  
of the leg, v. 479  
of the neck, vi. 192  
of the perineum, iv. 322; vi. 564  
palmar, iv. 484  
contraction of the, iv. 517  
perineal, iv. 322; vi. 564  
prevertebral, vi. 192  
**Fasciola**, vii. 865  
egyptica, vii. 866  
americana, vii. 866  
augusta, vii. 866  
carnosa, vii. 866  
gigantica, vii. 866  
hepatica, vi. 502; vii. 865, 866  
humana, vii. 865  
lanceolata, vii. 871  
magna, vii. 866  
**Fasciolopsis**, vii. 867  
Buski, vii. 867  
Rathonisi, vii. 867  
**Fastigatum**, ii. 162  
**Fastigial nucleus**, ii. 162  
**Fasting**, vii. 441  
as a therapeutic measure, iii. 42  
circulation during, vii. 442  
clinical observations during, vii. 444  
dietetic treatment after, vii. 445  
duration of life during, vii. 443  
feces during, vii. 443  
from fluids, but not from solids, vii. 443

**Fasting** from solids, but not from fluids, vii. 443  
loss of weight during, vii. 441  
respiration during, vii. 442  
temperature during, vii. 442  
urinary secretion during, vi. 442  
**Fat embolism**, iii. 790  
**Fat necrosis**, vi. 205, 465  
**Fat rendering**, regulation of, vi. 331  
**Fat tissues**, amyloid degeneration in, i. 270  
**Fatality** of disease, iii. 495  
in chloroform narcosis, table of, iii. 23  
**Fatigue**, vii. 120  
**Fatigue neuroses**, occupation as an etiological factor in, vi. 320  
**Fatigue suits**, for soldiers, v. 796  
**Fats**, absorption of, iii. 85, 474  
by lacteals, iii. 77  
action of steapsin on, iii. 474  
analysis of, i. 178  
and carbohydrates, difference between, i. 176  
animal, i. 176  
as food, i. 175  
as heat-producers, i. 176  
emulsified in intestine, iii. 85  
in faeces, iv. 128, 130  
influence of, on metabolism, v. 770  
in milk, v. 819  
cow's, v. 820  
determination of, v. 826  
human, v. 824  
origin of, v. 819  
in plants, i. 102  
in plasma, ii. 36  
in the urine, viii. 51  
useful in chorea, iii. 46  
**Fatty changes** in blood-vessels, ii. 96  
in the capillaries, ii. 93  
in the pancreas, vi. 464  
**Fatty degeneration**, iii. 394; v. 517  
of the heart, iv. 588  
of the liver, v. 550  
of the lymph nodes, v. 660  
of the muscles, vi. 28  
of the neurones, vi. 262  
of the new-born, vi. 280  
of the pancreas, vi. 464  
of the placenta, vi. 651  
of the veins, viii. 209  
of the vitreous, viii. 267  
**Fatty deposit**, iii. 396  
**Fatty infiltration**, iii. 396; v. 517  
of the heart, iv. 589  
of the lymph nodes, v. 660  
of the pancreas, vi. 464  
**Fauquier White Sulphur Springs**, iv. 138  
**Favus**, vii. 780  
of the nails, vi. 94; vii. 781  
**Fear** as a cause of insanity, v. 33  
**Febricula**, iv. 139  
ephemera, iv. 139  
**Febrifuge**, iii. 92  
**Febrile disturbances** as cause of insanity, v. 35  
**Febrile exhaustion** among troops, ii. 622  
**Febris ardens**, iv. 139  
catarrhalis, v. 11; and see *Influenza*

**Fecundation**, see *Impregnation*  
**Feeble-mindedness**, v. 145  
diagnosis, v. 148  
etiology, v. 146  
prognosis, v. 151  
symptoms, v. 147  
treatment, v. 151  
**Feeding**, forcible, iv. 139  
infant, iv. 859  
of premature infants, vi. 750  
rectal, i. 185  
**Fees, physicians'**, viii. 513  
legal rules governing the collection of, iv. 140  
**Feet**, care of, in marching, v. 815  
in soldiers, v. 796, 815  
eczema of the, iii. 726  
hyperidrosis of the, iv. 796  
keratoderma of the soles of, v. 304  
**Fehling's solution**, iii. 428; viii. 39  
test for sugar in milk, v. 827  
in urine, iii. 428; viii. 39, 41  
**Feigned diseases** among soldiers, ii. 622  
insanity, v. 68  
**Fel bovis**, iv. 299  
purificatum, iv. 299  
**Fell-O'Dwyer's apparatus** for insufflation of lungs, iv. 143  
method of insufflating the lungs, iv. 142  
**Fell's apparatus** for insufflation, iv. 142  
**Felo-de-se**, iii. 293; vii. 550  
**Felon**, i. 49; iv. 503  
**Female catheter**, ii. 752  
**Female genital tract**, cysts of, iii. 351  
**Female labor**, injurious influences of, vi. 321  
**Femoral artery**, vii. 738  
anomalies of, i. 534  
branches of, vii. 739  
compression of, i. 537  
deep, anomalies of, i. 535  
double, i. 534  
in Scarpa's triangle, vii. 739  
ligature of, vii. 739  
**Femoral canal**, i. 9  
**Femoral hernia**, iv. 676  
anatomy, iv. 676  
Bassini's method of treatment, iv. 677  
diagnosis, iv. 677  
Gordon's method of treatment, iv. 678  
mechanical treatment of, iv. 683  
occurrence, iv. 677  
purse-string method of treatment, iv. 678  
results of operations, iv. 678  
treatment, iv. 677  
**Femoral sheath**, i. 9  
**Femoral vein**, vii. 740  
anomalies of, viii. 207  
**Femur**, depression of neck of, iii. 308  
dislocations of, iii. 524  
**Femur, fracture of**, iv. 264  
compound, iv. 266  
Hodgen's suspension splint in the treatment of, iv. 265  
of neck of, iv. 264  
diagnosed from coxa vara, iii. 309  
diagnosed from dislocation on the dorsum ilii, iii. 524

**Femur, fracture of**, neck of, diagnosed from fracture of acetabulum, i. 62  
of shaft, iv. 265  
of third trochanter, iv. 265  
**Femur**, incurvature of neck of, iii. 308  
**Fenchone**, iv. 145  
**Fennel**, iv. 145  
oil of, iv. 145  
Roman, iv. 145  
sweet, iv. 145  
**Fenugreek**, iv. 145  
**Fenwick-Leiter cystoscope**, iii. 345  
**Fermentation**, i. 688; iv. 146  
alcoholic, in milk, v. 823  
butyric-acid, in milk, v. 823  
lactic-acid, in milk, v. 823  
succinic-acid, in milk, v. 823  
theories of, iv. 146  
**Fermentation test** for glucose in urine, viii. 40, 42  
for lactose in urine, viii. 43  
**Ferments**, see *Enzymes*  
coagulation by, iii. 150  
diastatic, i. 688  
digestive, iii. 470  
in faeces, iv. 131  
organized, i. 688  
unorganized, i. 688  
**Ferns**, iv. 148  
maiden-hair, iv. 147  
male, iv. 147  
sweet, iv. 148  
venus-hair, iv. 147  
**Fernvale Springs**, iv. 148  
**Ferralbume**, v. 229  
**Ferratin**, v. 229, 230  
**Ferratin-sodium**, v. 230  
**Ferratogen**, v. 230  
**Ferrein**, pyramids of, v. 310  
**Ferric acetate**, v. 225  
albuminate, v. 229  
chloride, v. 227  
germicidal action of, iv. 322  
citrate, v. 226  
hydrate, v. 225  
with magnesia, v. 225  
hydrated oxide, v. 225  
hydroxide, v. 225  
hypophosphite, v. 227  
nitrate, v. 228  
peptonate, v. 229  
perchloride, v. 227  
phosphate, soluble, v. 227  
pyrophosphate, iv. 228  
sesquichloride, v. 227  
sulphate, basic, v. 228  
normal, v. 228  
valerianate, v. 227  
**Ferrinol**, v. 230  
**Ferry's solution**, iv. 710  
**Ferris Hot Springs**, iv. 149  
**Ferropyrin**, v. 230  
**Ferrosol**, v. 230  
**Ferrous bromide**, v. 228  
carbonate, v. 223  
iodide, v. 224  
lactate, v. 223  
oxalate, v. 228  
sulphate, v. 223  
antiseptic efficacy of, i. 254  
as an antidote to cyanide of potassium, ii. 350  
germicidal action of, iv. 332  
**Ferrum**, see *Iron*, v. 221  
reductum, v. 223

**Fersan**, v. 230  
**Fertility** a modifying factor in menopause, ii. 799  
**Fertilization**, see *Impregnation*, iv. 849  
**Ferula** alliacea, i. 562  
asafetida, i. 562  
fetida, i. 561  
galbaniflua, iv. 288  
narthex, i. 562  
persica, i. 562  
sumbul, vii. 563  
**Feser's lactoscope**, v. 827  
**Fever**, iii. 569; iv. 149; and see *Calorimetry*  
adynamic, iv. 150; vii. 930  
astivo-autumnal, v. 677  
African, iii. 400  
asthenic, iv. 150  
beverages in, iii. 462  
bilious remittent, v. 678, 685  
typhoid, vi. 884  
break-bone, iii. 400  
calorimetry in, ii. 569  
camp, vii. 930  
cerebro-spinal, ii. 766  
childbed, vi. 793  
classification, iv. 150  
clinical significance of, iv. 149  
congestive, ii. 766  
continued, iv. 150; v. 677  
defervescence of, iv. 150  
definition of, iv. 149  
dengue, iii. 400  
diet in, iii. 461  
different origins of, ii. 570  
double tertian, v. 675  
dynamic, iv. 150  
effect of, on metabolism, v. 771  
enteric, vii. 914  
eosinophilia after, v. 493  
epidemic catarrhal, v. 11; and see *Influenza*  
remittent, vi. 884  
etiology, iv. 149  
famine, vi. 884  
fastigium, iv. 150  
gastric, v. 678  
hay, vi. 134  
high, symptoms of, iv. 150  
in animals, a cause of unwholesome milk, v. 835  
in appendicitis, i. 424  
initial stage, iv. 150  
intermittent, iv. 150; v. 675  
jail, vii. 930  
Levant, v. 685  
lung, vi. 676  
malaria, v. 674  
malignant, vii. 930  
purpuric, vii. 766  
Malta, v. 685  
Mediterranean, v. 685  
Neapolitan, v. 685  
neuro-purpuric, vi. 766  
pathology, ii. 570; iv. 149  
period of declination, iv. 150  
of incubation, iv. 150  
petechial, ii. 766  
pharyngitis in, vi. 592  
puerperal, vi. 793  
pulse in, vi. 805  
putrid, vii. 930  
relapsing, vi. 884  
remitting, iv. 150; v. 677  
remitting icteric, vi. 884  
rock, of Gibraltar, v. 685  
scarlet, vii. 46

**Fibres**, elastic, found in sputum, vi. 434  
muscular, vi. 12, etc.  
of connective tissue, iii. 252  
Sharpey's, of bone, vi. 116  
**Fibrilla**, structure of, iii. 269  
**Fibrillation of muscle**, vi. 29  
**Fibrin**, essential part of blood clot, iii. 150  
in blood, ii. 33  
in lymph, ii. 33  
in urine, viii. 32  
placental, iii. 57  
**Fibrin-ferment**, action of, iii. 843  
**Fibrinogen**, ii. 35  
in coagulation of blood, iii. 151  
in urine, viii. 32  
**Fibrinous bronchitis**, iv. 151  
classification, iv. 151  
etiology, iv. 151  
pathology, iv. 152  
symptoms, iv. 153  
treatment, iv. 153  
**Fibrinous degeneration**, vi. 203  
of choroid, iii. 57  
**Fibro-cartilage**, ii. 705  
**Fibro-elastic cartilage**, ii. 705  
**Fibroid heart**, iv. 590  
etiology, iv. 590  
morbid anatomy, iv. 590  
symptoms, iv. 590  
treatment, iv. 591  
**Fibrolipoma**, viii. 480  
**Fibroma**, iv. 153; vii. 907  
areolare, iv. 154  
clinical significance, iv. 156  
combined with other tumors, iv. 156  
diagnosis, iv. 156  
durum, iv. 154  
etiology, iv. 156  
general morphology, iv. 153  
hard, iv. 154  
keloid, iv. 154  
mode of growth, iv. 155

**Fibroma** of the ovary, vi. 436  
of the parotid gland, vi. 511  
of the periosteum, vi. 569  
of the pharynx, vi. 602  
of the retina, iv. 112  
of the tonsil, vii. 822  
of the umbilicus, viii. 6  
of the upper jaw, v. 249  
of the urethra, i. 770  
ossificans, vi. 569  
papillary, vii. 908  
retrograde changes in, iv. 155  
soft, iv. 154  
special morphology, iv. 155  
varieties, iv. 153  
**Fibromyoma**, vi. 75  
hyaline degeneration in, iv. 772  
of the intestine, v. 189  
of the larynx, v. 433  
of the uterus, viii. 96; and see *Uterus, myoma of*  
**Fibro-sarcoma**, vii. 907  
of the umbilicus, viii. 6  
**Fibrosis** of the corpora cavernosa, vii. 177  
pulmonary, vi. 675  
**Fibrous** connective tissue, see *Connective tissue*  
epulis, v. 249; viii. 490  
membranes, histology of, iii. 254  
**Fibula**, dislocations of the, iii. 529  
fractures of the, iv. 267  
**Ficus**, iv. 156  
carica, iv. 156  
**Field-hospitals**, see *Army hospital corps*, and *Army medical department*, i. 473, etc.  
**Field rations**, v. 799  
**Field-surgeons** and *Army medical department*, i. 473, etc.  
duties of, in time of war, see *Army hospital corps*  
**Field**, visual, iv. 91  
**Fifth nerve**, iii. 323  
**Fifth ventricle** of brain, ii. 184  
**Fig**, iv. 156  
**Figure-of-8 bandage**, i. 728; iii. 516, 517  
**Figwort**, vii. 77  
**Filaments** of bacilli, i. 680  
**Filaria** aethiopica, vi. 210  
Bancrofti, vi. 213, 214, 504  
conjunctivæ, vi. 213  
Demerquayi, vi. 215  
dermathenica, vi. 213  
diurna, vi. 215  
dracunculus, vi. 210  
hominis, vi. 212  
bronchialis, vi. 212  
oris, vi. 212  
immitis, vi. 212  
inermis, vi. 212  
labialis, vi. 212  
lentis, vi. 212  
loa, vi. 211  
lymphatica, vi. 212  
Magalhæsi, vi. 215  
medenensis, vi. 210, 504  
metastasis of, v. 779  
nocturna, vi. 213  
oculi, vi. 211  
humani, vi. 212  
of blood, characteristics of, vi. 216  
synopsis of various, vi. 216  
**Ozzardi**, vi. 215  
palpebralis, vi. 212  
peritonei hominis, vi. 212  
perfusans, vi. 215

\***Filaria** restiformis, vi. 212  
romanorum orientalis, vi. 215  
sanguinis hominis, iii. 786; vi. 213  
a cause of elephantiasis, iii. 785  
diseases caused by, iii. 81  
minor, vi. 215  
nocturna, vi. 213  
trachealis, vi. 219  
volvulus, vi. 212  
**Filariasis** a cause of chyluria, iii. 81  
caused by mosquitoes, v. 870  
**Filaridæ**, vi. 210  
**Filatow's spots**, v. 715; see *Koplik's spots*  
**Filices**, iv. 148  
**Filic anhydride**, iv. 148  
**Filicin**, iv. 148  
**Filicinae**, iv. 148  
**Filix-mas**, iv. 147  
**Filmogen**, iv. 156  
**Filters**, Berkefeld's, viii. 383  
Kitasato's, viii. 382  
Martin's, viii. 382  
Novy's, viii. 383  
Pasteur's, viii. 284  
Pasteur-Chamberland, viii. 284, 382  
**Filtration apparatus** for agar, viii. 373  
**Filtration of water**, viii. 282, 284  
for soldiers' use, v. 804  
**Filum terminale**, vii. 293  
**Fingers**, iv. 486  
absence of, iv. 492  
amputation of, i. 249  
anatomy of, iv. 486  
anomalies of development, iv. 491  
cellulitis of, iv. 502  
chondroma of, iv. 501  
club, iv. 500  
congenital absence of, iv. 492  
constrictions of, iv. 496  
contractions of, iv. 509, 522  
Dupuytren's, iv. 517  
dead, iv. 531; vi. 272  
deflections, iv. 496, 497  
deformities of, iv. 490  
diseases of the, iv. 490  
dislocations of, iii. 523; iv. 512  
drop, iv. 516  
Dupuytren's contraction of, iv. 517  
felons, iv. 503  
fractures, iv. 264  
frost-bite of, iv. 502  
hammer, iv. 523  
Hippocratic, iv. 500  
hypertrophy of, iv. 498  
mallet, iv. 516  
panaritium, iv. 503  
phlegmon of, iv. 615  
short, iv. 498  
supernumerary, iv. 493, 500  
syphilitic affections of, iv. 505  
trigger, iv. 526  
tuberculosis of, iv. 504, 505  
tumors of, iv. 500  
ulnar deflection, iv. 514  
warts of, iv. 500  
webbed, iv. 494  
Whitlow's, iv. 503  
wounds of, iv. 501  
**Finsen** apparatus for use with sunlight, vi. 992

**Finsen** apparatus, treatment with electric light, vi. 993  
method of actinotherapy, vi. 993  
treatment of lupus vulgaris, v. 616  
**Firearms and their projectiles**, iv. 427  
**Fire damps**, i. 155; ii. 659  
**First nerve**, vi. 349  
**Fish** as food for invalids, iii. 455  
circulatory system in, iii. 95  
hemolymph glands in, iv. 469  
poisonous, iv. 188  
**Fission**, iv. 156  
**Fissural** connections, ii. 190  
diagrams, ii. 190  
integer, ii. 198  
variation, ii. 190  
**Fissure**, adoccipital, ii. 193  
amygdaline, ii. 182  
anal, i. 395  
ape, ii. 204  
basisylvian, ii. 193  
calcarine, ii. 188  
callosal, ii. 190  
central, ii. 194  
circuminsular, ii. 201  
collateral, ii. 190  
episylvian, ii. 193  
exoccipital, ii. 193  
external calcarine, ii. 186, 188  
occipital, ii. 204  
perpendicular, ii. 186, 204  
fronto-marginal, ii. 193  
great horizontal, ii. 160  
longitudinal, ii. 187  
hippocampal, ii. 190  
hyposylvian, ii. 193  
infected, ii. 193  
insular, ii. 193  
intercerebral, ii. 187  
interhemispherical, ii. 187  
intermedial, ii. 193  
interparacentral, ii. 193  
intraparietal, ii. 198, 277; viii. 155  
lambdoidal, ii. 186, 190  
medifrontal, ii. 193  
of Rolando, ii. 194, 277; and see *Central fissure*  
olfactory, ii. 193  
orbital, ii. 193  
orbito-frontal, ii. 193  
parietal, ii. 193  
paroccipital, ii. 198, 199  
pomatic, ii. 204  
postcalcarine, ii. 193  
postcentral, ii. 193  
postcuneal, ii. 193  
postoccipital fovea, ii. 193  
postparoccipital, ii. 198  
postrhinal, ii. 193, 209  
precentral, ii. 193, 277  
precuneal, ii. 193  
preoccipital fovea, ii. 194  
preparoccipital, ii. 194  
presylvian, ii. 193  
rectal, i. 395  
rostral, ii. 194  
sagittal, ii. 187; and see *Intercerebral fissure*  
subcentral, ii. 193  
subfrontal, ii. 193, 203  
suboccipital, ii. 194  
subylvian, ii. 193  
subtemporal, ii. 194  
superkallosal, ii. 193

**Fissure**, supercentral, ii. 193  
superfrontal, ii. 193  
supertemporal, ii. 193  
Sylvian, ii. 205, 276  
temporo-occipital, ii. 204  
transinsular, ii. 193  
transtemporal, ii. 194  
transverse occipital, ii. 198  
vesical, vii. 708  
**Fissures**, arrangement of, significance of, ii. 204  
best elucidated upon foetal brains, ii. 189  
collocation of, with sutures, ii. 188  
complete, ii. 274  
depth of, determined, viii. 163  
development of, ii. 273  
inconstant, list of, ii. 193  
methods of locating the, ii. 274, 402  
of criminals, ii. 205  
of Santorini, ii. 626  
of the nipple, ii. 473  
partial, ii. 191, 193  
with structural correlatives, ii. 193  
permanent, ii. 187, 192, 275  
relation of, to the landmarks on the skull, ii. 274, 402  
temporary, ii. 274  
to be studied before gyres, ii. 189  
total, ii. 191  
transitory, ii. 185, 274  
**Fistula**, cervical, vii. 701  
faecal, iii. 202  
in ano, v. 564  
lachrymal, v. 395, 397  
oesophago-tracheal, vi. 338  
of the cornea, iii. 289  
of the nasal cavities, vi. 122  
of the umbilicus, viii. 6  
parotid, vi. 510  
rectal, i. 394  
salivary, vii. 489  
thyro-lingual, vi. 200  
uretero-vaginal, viii. 168  
urethro-vaginal, viii. 168  
vesico-uterine, viii. 168  
vesico-uro-vaginal, viii. 168  
vesico-vaginal, viii. 168

**Fistulæ**, i. 754  
amphibolic, i. 754  
branchial, vi. 200  
cervical, vii. 701  
permanent, i. 754  
temporary, i. 754  
**Fistulina hepatica**, iv. 285  
**Fit**, fainting, ii. 224  
**Fitz shaker**, the, vi. 161  
**Fixation** in chronic joint disease, v. 277  
in hip-joint disease, v. 278  
in knee-joint, v. 285  
of uterus, viii. 84

**Fixed attention** to induce hypnosis, iv. 812  
**Fixed joint**, see *Ankylosis*, i. 359  
**Fixing agents**, ii. 64; iv. 706  
**Flag**, blue, iv. 157  
sweet, ii. 549  
**Flagella**, i. 681  
staining of, viii. 397  
**Flagellation** of plasmodium malariae, vi. 659  
**Flake manna**, v. 692  
**Flame**, injuries from, ii. 520  
**Flat-foot**, iv. 198, 204

**Flat-foot**, anatomy of, iv. 199  
attitudes in, iv. 201  
symptoms, iv. 201  
treatment, iv. 205  
varieties, iv. 203  
**Flatulence**, vii. 495  
a symptom in diarrhoea, iii. 438  
**Flaxseed**, v. 516  
meal, v. 516  
oil, v. 516  
**Flea**, dog, v. 155  
earth, ii. 828  
hen, v. 155  
house, v. 155  
sand, ii. 828  
**Fleabane**, iv. 158  
Canada, iv. 158  
oil of, iv. 158  
**Flemming's hardening fluid**, iv. 707  
**Flesh-fly**, v. 154  
**Flexion** and extension of forearm, iii. 739  
as method of treating aneurism, i. 331  
**Flexor accessorius**, anomalies of, vi. 59  
**Flexor accessorius longus digitorum pedis**, vi. 58  
**Flexor accessorius profundus digitorum**, vi. 53  
**Flexor brevis digitorum pedis**, anomalies of, vi. 59  
**Flexor brevis hallucis**, anomalies of, vi. 59  
of colchicum root, iii. 192  
of colchicum seed, iii. 192  
**Flexor brevis minimi digiti**, anomalies of, vi. 60  
**Flexor brevis minimi digiti pedis**, anomalies of, vi. 55  
**Flexor brevis pollicis**, anomalies of, vi. 55  
of cotton root, iii. 297  
of cubeb, iii. 388  
of cypripedium, iii. 340  
of dandelion, iii. 352  
of digitalis, iii. 478  
of dita, iii. 543  
of dock, iii. 549  
of dogwood, iii. 550  
of dulcamara, i. 763  
of embelia, iii. 788  
of ergot, iv. 3  
of erigeron, iv. 158  
of erythroxylon, iii. 154  
of eucalyptus, iv. 16  
of eupatorium, vii. 757  
of euphorbia pilulifera, iv. 17  
of fleabane, iv. 158  
of frangula, ii. 515  
of gelsemium, iv. 315  
of gentian, iv. 328  
of geranium, iv. 328  
of ginger, iv. 352  
of glycyrrhiza, v. 518  
of grindelia, iv. 415  
of guarana, iv. 426  
of hamamelis, viii. 314  
of hydrastis, iv. 775  
of hyoscyamus, iv. 637  
of iris, iv. 158  
of ipecac, v. 212  
of jaborandi, v. 240  
of kava, v. 302  
of koosso, v. 377  
of leptandra, v. 490  
of liquorice, v. 518  
of lobelia, v. 566  
of lupulin, v. 609  
of matico, v. 714

**Fluid extract** of mezereon, v. 790  
of nux vomica, vi. 308  
of pareira, vi. 509  
of passiflora, vi. 517  
of persimmon, vi. 574  
of pichi, vi. 632  
of pipsissewa, vi. 639  
of pleurisy root, vi. 668  
of podophyllum, vi. 690  
of pokeberry, vi. 728  
of pomegranate, vi. 733  
of pulsatilla, vi. 797  
of quassia, v. 827  
of rhatany, v. 964  
of rhubarb, vi. 974  
of rose, vi. 1000  
of rumex (dock), iii. 549  
of sanguinaria, ii. 73  
of sarsaparilla, vii. 41  
of savine, vii. 43  
of saw palmetto, vii. 43  
of senega, vii. 114  
of senna, vii. 117  
of serpentina, vii. 255  
of spigelia, vi. 637  
of squill, vii. 484  
of stillingia, vii. 461  
of stramonium, vii. 535  
of sumach, vii. 563  
of taraxacum, iii. 352  
of thoroughwort, vii. 757  
of triticum repens, iii. 298  
of ustilago, viii. 64  
of uva ursi, i. 738  
of valerian, viii. 181  
of veratrumin viride, iv. 626  
of viburnum, viii. 234, 235  
of witchhazel, viii. 314  
of xanthoxylum, i. 383  
of yerba santa, viii. 334  
**Fluidity** of the vitreous, viii. 267  
**Fluids**, diluting, for blood-counting, ii. 43  
for irrigation, in operations, i. 569  
infiltration, iv. 706  
preserving, for tissues, iv. 706  
**Flukes**, vii. 860  
**Fluoroform water**, iv. 161  
**Fluoroformol**, iv. 161  
**Fluorol**, iv. 786  
**Fluoroscope**, see *Roentgen rays and Radiograph*  
**Flushing** of the face at the menopause, ii. 799  
**Fluxion**, v. 551  
**Fly**, Spanish, ii. 651  
**Focal interval**, i. 591  
length, iv. 84  
lines, i. 591  
necrosis, vi. 204  
**Foci**, iv. 86  
**Fœniculum**, iv. 145  
capillaceum, iv. 145  
**Fœnum græcum**, iv. 145  
**Fœtal brains** more useful than those of monkeys for elucidating fissures, ii. 189  
**Fœtation**, multiple, iv. 341  
**Fœticide**, i. 43  
**Fœtus**, cysts in, iii. 349  
death of, diagnosis of, iv. 343  
decapitation of, vi. 316  
**Fœtus, development of the**, viii. 450; and see *Embryos and Embryology*  
age, viii. 450  
embryonal stage, viii. 453  
fetal stage, viii. 457

**Fœtus, development of the**, formation of the allantois, i. 187  
of the amnion, i. 218  
of the chorion, iii. 47  
origin of the female generative organs, vii. 147  
of the heart, iv. 573  
of the kidneys, v. 315  
of the male generative organs, iv. 316  
of the urogenital system, iv. 316, 321  
ovum stage, viii. 450  
**Fœtus**, diagnosis of position and presentation of, v. 381, 386  
effect of poisons on, when taken by the mother, vi. 279  
evisceration of, vi. 316  
fate of the in extra-uterine pregnancy, iv. 57  
growth of, iv. 417  
increase of weight of, iv. 416  
in history of the human embryo, iii. 792  
papyraceus, iv. 341  
viability of, i. 673  
weight of, iv. 417  
**Fœtus in fœtu**, vii. 619, 909  
**Folds**, aryteno-epiglottidean, v. 406  
**Folie**, v. 25; and see *Insanity à-deux*, v. 135  
à double forme, v. 129; and see *Circular insanity circulaire*, v. 129; and see *Circular insanity gemellaire*, v. 135  
**Folin's method** of estimating quantity of uric acid in urine, viii. 36  
**Follicular cysts**, iii. 348  
**Folliculite épilante**, iv. 161  
**Folliculitis agminata**, vii. 782  
complicating gonorrhœa, iv. 401  
conglomerata, vii. 782  
decalvans, i. 200; iv. 161  
diagnosis, iv. 161  
etiology, iv. 161  
symptoms, iv. 161  
treatment, iv. 162  
of vulva, viii. 162  
scrofulosorum, v. 50°  
**Fol's modification** of Flemming's hardening fluid, iv. 707  
**Fontana**, spaces of, iv. 71  
**Fontanelles**, ii. 212; viii. 581  
**Food, Foods**, i. 173; v. 723, 773; and see *Aliment*; *Metabolism*; *Meat inspection*  
adulteration of, iv. 162, 175  
history of, iv. 162, 167  
legislation concerning, iv. 162  
alcohol as a, i. 177  
amount required, i. 178  
analysis of, i. 178; iv. 174  
articles of, liable to adulteration, iv. 176  
artificial coloring matter in, iv. 171  
as modifying mammary secretion, v. 881  
caloric values of, vi. 175  
canned, for army rations, v. 803  
carbohydrate as, i. 176  
classification of, i. 174  
complete, iii. 450  
constituents of, iii. 450  
composition of various kinds of, i. 178

**Food, Foods**, concentrated, for army rations, v. 803  
containing arsenic, poisoning by, viii. 347  
contamination of, by copper, iv. 184  
diarrhoea caused by, iii. 440  
dietary values of, vi. 172  
digestibility of, vi. 175  
effect of, on differentiation, iii. 469  
fat as, i. 175  
for infants, care in preparation of, iii. 446  
for invalids, iii. 450  
for soldiers, v. 798  
idiosyncrasy in regard to, iv. 842  
improper, cause of dysentery, iii. 568  
inspection of, iv. 175  
modern legislation relative to, iv. 162  
laxative value of, v. 468  
method of inspection and analysis, iv. 180  
patented, for infants, iv. 866  
poisonous, examination of, iv. 189  
preservation of, vi. 755  
preservatives for, v. 727  
protoid as, i. 176  
relation of, to teeth, and form of jaw, v. 700  
standards, iv. 175  
supply, animal, viii. 224  
use of copper vessels in cooking and preserving, iii. 280  
**Follicular cysts**, iii. 348  
**Folliculite épilante**, iv. 161  
**Folliculitis agminata**, vii. 782  
complicating gonorrhœa, iv. 401  
conglomerata, vii. 782  
decalvans, i. 200; iv. 161  
diagnosis, iv. 161  
etiology, iv. 161  
symptoms, iv. 161  
treatment, iv. 162  
of vulva, viii. 162  
scrofulosorum, v. 50°  
**Fol's modification** of Flemming's hardening fluid, iv. 707  
**Fontana**, spaces of, iv. 71  
**Fontanelles**, ii. 212; viii. 581  
**Food, Foods**, i. 173; v. 723, 773; and see *Aliment*; *Metabolism*; *Meat inspection*  
adulteration of, iv. 162, 175  
history of, iv. 162, 167  
legislation concerning, iv. 162  
alcohol as a, i. 177  
amount required, i. 178  
analysis of, i. 178; iv. 174  
articles of, liable to adulteration, iv. 176  
artificial coloring matter in, iv. 171  
as modifying mammary secretion, v. 881  
caloric values of, vi. 175  
canned, for army rations, v. 803  
carbohydrate as, i. 176  
classification of, i. 174  
complete, iii. 450  
constituents of, iii. 450  
composition of various kinds of, i. 178

**Food epidemics**, iv. 184  
**Food poisons**, iv. 183  
fish, iv. 188  
ice-cream, iv. 189  
meat, iv. 185  
milk, iv. 188  
molluscs, iv. 189  
vegetables, iv. 189

**Food-stuffs**, potential energy and physiological value of, v. 765

**Food values**, vi. 172

**Foot**, iv. 190

amputation of, i. 255

partial, i. 258

anatomy of, iv. 190

and hand compared, iv. 190

arches of, iv. 190

arteries of, iv. 197

anomalies of, i. 535

artificial, v. 514

bursa of, ii. 526

club, iv. 216

contracted, iv. 210

disabilities of, iv. 198

dislocations of joints of, iii. 529

distortions of, iv. 216

fascia of, iv. 192

flat, iv. 198

hollow, iv. 210

human, characteristics of, iv. 191

integument of sole of, iv. 197

joints of, iv. 192

ligaments of, iv. 193

lymphatics of, v. 633

muscles of, iv. 193

nerves of, iv. 197

of Chinese woman, iv. 198

**Foot**, perforating ulcer of, vi. 557  
persistent abduction of, iv. 203  
phlegmon of, vi. 616  
resection of joints of the, vi. 924  
splay, iv. 198  
surgical anatomy of the joints of, iv. 193  
synovial sheaths in, iv. 194  
tendons in, iv. 194  
use of, for prehensile purposes, iv. 191  
varying value of, as a measure, in different countries, viii. 294  
veins of, iv. 197  
weak, iv. 198  
**Foot-and-mouth disease**, iv. 733  
a cause of unwholesome milk, v. 835  
**Foot-gear**, military, v. 795  
**Foramen**, adductor, of the thigh, vii. 738  
**Foramina Thebesii**, vi. 569  
**Forceps**, anterior excisor, vi. 146  
axis-traction, vi. 312  
for arresting hemorrhage, iv. 635  
for introducing cotton into ear, iii. 681  
for removal of coin from larynx v. 441  
jack-screw excisor, vi. 147  
obstetrical, vi. 312  
action and use of, vi. 312  
as a compressor, vi. 312  
as a lever, vi. 312  
as a rotator, vi. 312  
as a tractor, vi. 312  
axis-traction, vi. 312  
high, vi. 314  
in breech cases, vi. 314  
indications for applying, vi. 313  
low, vi. 314  
prognosis in use of, vi. 314  
technique in applying, vi. 313  
uterine dressing, iv. 404  
**Forcite**, vii. 910  
**Forearm**, iv. 238  
amputation of, i. 255  
partial, i. 258  
anatomy of, iv. 190  
and hand compared, iv. 190  
arches of, iv. 190  
arteries of, iv. 197  
anomalies of, i. 535  
artificial, v. 514  
bursa of, ii. 526  
club, iv. 216  
contracted, iv. 210  
disabilities of, iv. 198  
dislocations of joints of, iii. 529  
distortions of, iv. 216  
fascia of, iv. 192  
flat, iv. 198  
hollow, iv. 210  
human, characteristics of, iv. 191  
integument of sole of, iv. 197  
joints of, iv. 192  
ligaments of, iv. 193  
lymphatics of, v. 633  
muscles of, iv. 193  
nerves of, iv. 197  
of Chinese woman, iv. 198

**Foreign bodies** in the frontal sinuses, iv. 274  
in the gall bladder and gall ducts, iv. 294  
in the hand and fingers, iv. 502  
in the intestines, treatment of, v. 176  
in the larynx, i. 160; v. 441; vi. 198  
in the nose, i. 158  
in the oesophagus, vi. 346; vii. 476  
in the omentum, vi. 361  
in the orbit, vi. 408  
in the pericardium, vi. 558  
in the pharynx, i. 159; vi. 591  
in the stomach, vii. 522  
in the tongue, vii. 797  
in the tonsils, i. 159; vii. 820  
in the trachea, i. 160  
in the tympanic cavity, iii. 648  
in the ureters, viii. 12  
in the urethra, viii. 17  
in the veins, viii. 218  
located by the Roengen rays, vi. 988  
**Foreskin**, see *Prepuce and Circumcision*  
**Form**, appreciation of, viii. 244  
**Formacoll**, iv. 246, 374  
**Formalbumin**, iv. 246  
**Formaldehyde**, iv. 244  
apparatus for disinfection by, iii. 503  
as a deodorant, iii. 411  
as a disinfectant, i. 688; iii. 498, 502  
as a germicide, iv. 332  
as a hardening agent, iv. 245  
as a fixing agent, iv. 245  
as an antiseptic, i. 384  
as a preservative, iv. 245  
compounds of, iv. 246  
determination of, in milk, v. 841  
gelatin, iv. 374  
machines for generating, vi. 822  
physiological action of, iv. 245  
preparations of, iv. 246  
therapeutics of, iv. 245  
toxicology of, iv. 245  
urea, iv. 246  
**Formalin**, iv. 244, 246  
as a food preservative, vi. 755  
**Formanilid**, iv. 246  
**Formatol**, iv. 246  
**Formic acid**, iv. 247  
as a germicide, iv. 333  
**Formicide**, v. 167  
**Formin**, iv. 246; viii. 60  
**Formochloral**, iv. 246  
**Formoforin**, iv. 246  
**Formol**, iv. 244, 246  
as a hardening fluid, ii. 323  
**Formopyrin**, iv. 246  
**Formulary**, national, vi. 587  
**Fornix**, ii. 179  
columns of, ii. 179  
commissure of, ii. 180  
of the conjunctiva, iv. 65  
**Fort Bayard**, vi. 283  
**Fort Crawford Mineral Well**, iv. 247  
**Fortoin**, iv. 246, 247  
**Fossa**, cubital, iii. 732  
ischio-rectal, vi. 564  
navicularis, viii. 15  
ovalis, iv. 568  
**Fosse**, nasal, vi. 102

**Fossæ** of skull, vii. 224  
**Fossores**, v. 167  
**Foster's lamp-wick tampons**, viii. 179  
**Fountain Park Magnetic Springs**, iv. 247  
**Four-tailed bandage** for fracture of lower jaw, v. 252  
**Fourth nerve**, iii. 325  
**Fovea centralis**, iv. 77  
**Fowler's method** of treating inguinal hernia, iv. 675  
operation for syndactylism, iv. 495  
pessary, viii. 66  
solution, i. 524  
as a germicide, iv. 335  
**Foxglove**, iii. 476  
**Fracture-box**, iv. 255  
**Fractures**, iv. 247

**Fractures** of the forearm, i. 464; iv. 262  
of the glenoid cavity, vii. 46  
of the humerus, iv. 260  
with dislocation, iv. 260  
of the hyoid bone, iv. 794  
of the larynx, v. 420  
of the lower jaw, v. 252  
of the malleoli, iv. 268  
of the metacarpal bones, iv. 263  
of the metatarsal bones, iv. 269  
of the neck of the femur, iv. 264  
and coxa vara, differential diagnosis of, iii. 309  
and dislocations, differential points, iii. 524  
of the nose, vi. 123, 296  
of the olecranon, iv. 262  
of the orbit, vi. 408  
of the patella, iv. 266  
of the penis, vii. 176  
of the radius, iv. 262  
of the ribs, iv. 269  
of the scapula, vii. 45; iv. 259  
of the skull, iv. 556, 557; ii. 421  
of the spine, vii. 392  
of the sternum, iv. 269  
of the surgical neck of the humerus, iv. 260  
of the temporal bone, iii. 689  
of the thigh, iv. 264  
in children, iv. 266  
of the tibia, iv. 267  
of the toes, iv. 269  
of the trachea, v. 420  
of the ulna, iv. 262  
of the upper jaw, v. 247  
pathology, iv. 248  
Pott's, iv. 268  
prognosis, iv. 251  
prephylaxis, iv. 253  
reduction of, iv. 253  
repair after, iv. 249  
simple, iv. 248  
splints for, iv. 254  
spontaneous, iv. 248  
sprain, v. 290  
subjective signs of, iv. 249  
symptoms, iv. 249  
tarsal, iv. 269  
toothed, iv. 248  
transverse, iv. 248  
treatment, iv. 253  
varieties, iv. 247  
vicious union, treatment of, iv. 258  
X-rays in diagnosis of, iv. 250

**Fraenkel-Gabbert** method of staining tubercle bacillus, viii. 397

**Fraenkel's modification** of Liborius' tube for anaerobes, viii. 389

**Fragilitas** crinum, i. 605  
ossium, vi. 430

**Fragmentation** of muscle, vi. 29

**Framboesia**, viii. 319

**France**, adulteration of foods and drugs in, iv. 164  
Pharmacopeia in, vi. 583

**Frangula**, ii. 515  
as a laxative, v. 470

**Frangulin**, ii. 515

**Frankincense**, vi. 355

**Franklinization**, iii. 756

**Franklin Spring**, iv. 269

**Franklin theory** of color sensations, viii. 245

**Franzensbad**, iv. 269

**Fraxin**, i. 570; v. 692

**Fraxinus**, i. 570  
americana, i. 570  
excelsior, i. 570; v. 692  
ornus, v. 692

**Freckles**, v. 483; and see *Lentigo*  
summer, v. 483

**Freezeene**, vi. 755

**Freezing** as a means of purifying water, viii. 277  
death from, in armies, ii. 618

**Fremitus**, bronchial, ii. 815  
friction, ii. 815  
vocal, ii. 815

**French Lick Springs**, iv. 270

**Fresh air**, germicidal power of, iii. 499

**Freund's method** of determining preformed sulphates in the urine, viii. 54

**Friar's balsam**, i. 746

**Friction**, v. 694  
pleuropericardial, ii. 821  
sounds, ii. 819

**Friedlander's instrument** for counting leucocytes, ii. 46

**Friedreich's hereditary ataxia**, vii. 347

**Fright** as a cause of chorea, iii. 44  
expression of, by the hand, iv. 488

**Frog**, circulatory system in, iii. 95  
histological study of, iv. 703

**Frog plates**, iv. 703

**Fröhde's reagent**, vi. 391

**Frontal lobes**, injury to, ii. 312  
tumors of, ii. 447

**Frontal sinuses**, iv. 270; vi. 104;  
vii. 234  
anatomy of, iv. 270; vii. 234  
diseases and injuries of, iv. 270  
empyema of, iv. 273  
foreign bodies in, iv. 274  
inflammation of, iv. 271  
injuries of, iv. 274  
insects in, iv. 274  
measurements of, viii. 240  
mucocoele of, iv. 272  
new growths in, iv. 274  
osteoma of, iv. 275  
sarcomata of, iv. 275  
tumors of, iv. 274

**Frontalis muscle**, anomalies of, vi. 42

**Fronto-marginal fissure**, ii. 193  
gyre, ii. 193

**Frost-bite**, iii. 417  
of the auricle, iii. 607  
of the fingers, iv. 502

**Frost-Lang** operation, viii. 446

**Frozen parts**, characteristic signs of, iii. 417

**Fruktose in urine**, viii. 42

**Fructosuria**, viii. 42

**Fruit** as food for invalids, iii. 456  
amount allowed in army rations, v. 799  
Bael, i. 721  
poisonous, vi. 699

**Fry's Mineral Spring**, iv. 275

**Fucus vesiculosus**, i. 799

**Fuel** for heating houses, iv. 758  
gas, ii. 663

**Fulminate of mercury**, vii. 911

**Fulminate powder**, iv. 430

**Fulton Wells**, iv. 275

**Fumaria officinalis**, iv. 275

**Fumaric acid**, iv. 275

**Fumarine**, iv. 275

**Fumes, noxious**, effect of, vi. 326

**Fumigation** as a means of medication, v. 735  
by calomel, v. 752, 756

**Fumitory**, iv. 275

**Functional murmurs**, ii. 822  
characteristics of, ii. 825

**Functionless areas of the brain**, ii. 311

**Fungi**, algal, iv. 278  
as food for invalids, iii. 456  
aural, iii. 615  
basidial spore, iv. 282  
cup, iv. 281  
economic importance of, iv. 277  
edible, iv. 275  
groups of, iv. 277  
imperfecti, iv. 282  
mould, i. 720  
poisonous, iv. 275  
reproduction of, iv. 276  
rust, iv. 282  
spore-sac, iv. 279  
structure of, iv. 275

**Fungous growths** in auditory meatus in chronic purulent otitis, iii. 639

**Fungous ulcer**, vii. 430

**Fungus chirurgorum**, vii. 431  
favus, i. 720  
secalis, iv. 1

**Funic souffle**, iv. 342

**Funis**, see *Umbilical cord*

**Funnel chest**, ii. 806

**Funnel**, double-walled hot-water, viii. 373  
single-walled hot-water, viii. 373

**Fürbringer's method** of hand sterilization, i. 566

**Furfurrol reaction** for carbohydrates in urine, viii. 38

**Furnace** for heating houses, iv. 759  
gas, ii. 664

**Furuncle**, i. 49; ii. 113  
caused by drugs, iii. 422  
in external auditory canal, iii. 618

**Furunculosis**, i. 49; ii. 114  
in diabetes mellitus, iii. 429

**Fusaria mystax**, vi. 223  
vermicularis, vi. 223

**Fused nitrate of silver**, vii. 215

**Fusel oil**, i. 169  
as an adulterant of liquors, iv. 177

**Fusion calorimeter**, ii. 561

**Gaboon ulcer**, vii. 944

**Gad-flies**, v. 165

**Gadinin**, ptomain, vi. 790

**Gadus**, iii. 165  
morrhua, iii. 165

**Gaertner's tonometer**, vi. 802

**Gaiiform**, iv. 328

**Gainesville (Ga.) Mineral Springs**, iv. 286

**Gairal's "aérophore pulmonique,"** iv. 142

**Gait in insanity**, v. 59

**Galactagogues**, iv. 287

**Galactocele**, ii. 475; iii. 351

**Galacturia**, iii. 81

**Galanga**, iv. 288

**Galangal**, iv. 288  
lesser, iv. 288

**Galbanum**, iv. 288

**Galbiati's symphyseotomy knife**, vi. 315

**Galbraith Springs**, iv. 288

**Galen**, bandage of, i. 728

**Galen's vein**, ii. 256

**Galeodidae**, v. 160

**Galipea Cusparia**, i. 357

**Galipine**, i. 357

**Galipot**, vii. 913

**Galla**, vi. 306  
halapensis, vi. 306  
levantica, vi. 306  
querina, vi. 306  
tinctoria, vi. 306  
turcica, vi. 306

**Gallacetophenone**, iv. 289

**Gallanilid**, iv. 289

**Gallanol**, iv. 289

**Gall bladder**, v. 527  
abscess of, iv. 295  
absence of, iv. 298  
and gall-ducks, diseases of, iv. 289  
cancer of, i. 28; iv. 296  
relation of, to gall-stones, iv. 297  
catarrhal inflammation of, iv. 289  
congenital defects of, iv. 298  
cyst-like dilatation of, iii. 350  
distoma in, iv. 298  
empyema of, iv. 295  
enlargement of, iv. 295  
foreign bodies in, iv. 294  
inflammation of, iv. 289  
measurements of, viii. 239  
morbid growths of, iv. 296  
operations on, v. 559  
parasites in, iv. 298  
purulent, ulcerative, and croupous inflammation of, iv. 292  
tumors of, i. 28

**Gall ducts**, cancer of, iv. 297  
catarrhal inflammation of, iv. 289  
congenital closure of, iv. 295  
defects of, iv. 298  
diseases of, iv. 289  
echinococcus in, iv. 298  
foreign bodies in, iv. 294  
hydatid disease of, iv. 298  
occlusion of, iv. 293  
parasites in, iv. 298  
purulent, ulcerative, and croupous inflammation of, iv. 292  
stenosis and occlusion of, iv. 298  
tumors of, iv. 296  
worms in, iv. 298

**Gall**, ox, iv. 299  
purified, iv. 299

**Gall stones**, i. 755; iii. 228; iv. 294  
diet for, iii. 463  
etiology, i. 755; iii. 230  
formation of, iii. 230  
relation of, to carcinoma of gall bladder, iv. 297  
varieties of, iii. 229

**Gallic acid**, iv. 299  
germicide action of, iv. 333

**Gallicin**, iv. 299

**Gallobromol**, iv. 299

**Galloformin**, iv. 246, 299

**Gallon**, fixed standard of, viii. 297

**Gallotannic acid**, vii. 636

**Galls**, see *Nutgall*, vi. 306  
production of, upon plants, iv. 31

**Gallus bankiva domesticus**, iii. 727

**Galton's standard scheme of descent**, iv. 640

**Galton's whistle**, iii. 661

**Galvanism**, iii. 757  
in insanity, v. 73  
therapeutic effects of, iii. 757

**Galvanized pipes and utensils**, zinc poisoning due to, viii. 340

**Galvano-cautery**, use of in intussusception rhinitis, vi. 118

**Galvano-puncture** in the treatment of aneurism, i. 333

**Gamasidae**, i. 434

**Gamboge**, iv. 300  
action and uses, iv. 300  
as a purgative, vi. 812  
secondary, iv. 300  
cake, iv. 300  
in sorts, iv. 300  
pipe, iv. 300  
purse, iv. 300  
Saigon, iv. 300

**Gambogic acid**, iv. 300

**Gamma rays**, viii. 549

**Gammacism**, vii. 435

**Ganglia**, cardiac, vii. 578  
cervical, vii. 575  
cystic, i. 469  
extirpation of, for neuralgia, vi. 246

**Gassierian**, removal of the, iv. 308  
histology of, vii. 579

**inferior cervical**, vii. 574

**lower cervical**, vii. 576

**middle cervical**, vii. 576

**nerve fibres of** the, vii. 580

**of Scarpa**, i. 631

**periosteal**, i. 46

**semilunar**, vii. 578  
pathology of, vii. 109

**solar**, vii. 578

**superior cervical**, vii. 575

**terminal monocellular**, vii. 574

**upper cervical**, vii. 575

**vestibular**, i. 631

**Ganglion**, i. 469; ii. 528; and see *Bursa (Surgical)*

**Ganglionated cords**, vii. 573, 575  
anatomy of, vii. 575  
cervical part, vii. 575  
lumbar part, vii. 576  
sacral part, vii. 577  
thoracic part, vii. 577

**Gangrene** and contusion differentially diagnosed, iii. 273  
black, iv. 301; vi. 204  
caused by drugs, iii. 422  
cold, iv. 301; vi. 204  
complicating fracture, iv. 257  
diabetic, iii. 429; iv. 302, 306  
diphtheritic, iv. 307  
dry, iv. 301, 305; vi. 204  
symmetrical, effect of miasma in, v. 698

**Gas**, air, ii. 664  
a nuisance, remedies for, vi. 333  
coal, ii. 663  
and water compared in deadly effect, i. 154

**cysts**, iii. 349

**fuel**, ii. 663

**furnace**, ii. 664

**illuminating**, ii. 663

**in the blood plasma**, ii. 35

**in the peritoneal cavity**, diagnosis of, i. 24

**natural**, ii. 664

**noxious**, effects of, vi. 326

**oil**, ii. 664

**water**, ii. 664

**Gas chamber**, Stricker's, iv. 705

**Gas phlegmon**, vi. 611

**Gas-works**, regulation of, vi. 332

**Gasserian-ganglion** operation for tic doloureux, vi. 246  
operative removal of the, iv. 308

**Gastein**, iv. 309

**Gasteromycetes**, iv. 286

**Gastraea**, theory of Haeckel concerning, iv. 313

**Gastralgia**, vi. 248; vii. 504  
and intestinal colic, diagnosis of, iii. 197

**etiology**, vi. 248

**treatment**, vi. 248; vii. 504

**Gastrectomy**, vii. 487

**Gastric colic**, vi. 248