

Tympanic membrane, perforations of, iii. 626, 688
retraction of, iii. 624
rupture of, iii. 625
special properties of, i. 618
thickening of, iii. 624
Toynbee's artificial, iii. 630
ulcer of, iii. 625
Tympanites, aspiration in, i. 581
in diarrhoea, iii. 439
Tympanic resonance, ii. 816
Tympanum, i. 616
Tyndalization, i. 686
Tyndall's fractional sterilization, viii. 380
Typhoid fever, vii. 914, 951
among troops, ii. 593
antipyretics in, vii. 925
bacillus of, i. 697
bacteriological diagnosis of, viii. 400
bacteriology of, viii. 576
bilious, vi. 884
Brand bath in, iv. 791
cold in, iii. 195
complications and sequelæ, vii. 926
convalescence, vii. 928
course of, vii. 918
death rate in, vii. 951; viii. 254
diagnosed from cerebro-spinal meningitis, ii. 776
from yellow fever, viii. 595
diagnosis, vii. 920
diarrhoea in, iii. 440
diet in, iii. 462; vii. 923
disinfectants, vii. 927
due to milk, v. 837
exciting causes, vii. 916
followed by blindness, ii. 12
by gall-stones, iii. 230
history, vii. 914
how to avoid, in camp, v. 813
in the new-born, vi. 278
kyphosis resulting from, v. 378
leucocytes in, v. 493
parotitis following, vi. 512
pathology, vii. 920
pharyngitis in, vi. 593
predisposing causes, vii. 915
serum diagnosis in, vii. 132
therapy in, vii. 133
treatment, vii. 923
baths, vii. 925
Widal's serum test, viii. 402
Typhoid spine, viii. 388
Typho-malarial fever, vii. 928
Typhomania, v. 80; and see *Insanity, confusional*
Typhotoxin, ptomain, vi. 790
Typhus fever, vii. 930
among troops, ii. 600
definition, vii. 930
diagnosis, vii. 935
etiology, vii. 931
history, vii. 930
in new-born, vi. 278
modes of conveyance of, vii. 931
morbid anatomy, vii. 932
parotitis following, vi. 512
prognosis, vii. 935
prophylaxis, vii. 935
quarantine in, vi. 825
sinking, ii. 767
symptomatology, vii. 932
treatment, vii. 935
Tyratol, vii. 765
Tyrian purple, iii. 225

Tyroglyphinæ, i. 433
Tyroglyphus infestans, i. 434
longior, i. 433, 434
siro, i. 434
Tyrosin, i. 68; vi. 788
in the urine, vii. 60
Tyrotoxicton, iv. 188; vi. 791
in milk, v. 834
Tyrotoxismus, iv. 189
Udder, diseased, a cause of unhealthy milk, v. 835
Udransky's test for bile acids, viii. 50
Ukiah Vichy Springs, vii. 936
Ulcer, ulceration, vii. 936
acute traumatic, vii. 941
amputation in, i. 237
Annam, vii. 944
annular, vii. 942
callosus, vii. 943
chronic, vii. 942
cleansing and sterilization of, vii. 947
complications and sequelæ, vii. 946
congested, vii. 943
croupous, vii. 942
diabetic, vii. 944
differential diagnosis, vii. 946
dracuncular, vii. 944
epitheliomatous, vii. 945
erethistic, vii. 943
etiology, vii. 937
exciting causes, vii. 938
exuberant, vii. 942
fungating, vii. 942, 946
Gaboon, vii. 944
gastric, vii. 510
gouty, vii. 944
granulating, vii. 942
healing, vii. 942
indolent, vii. 942
inflammation in, vi. 11
intestinal, iii. 832
irritable, vii. 943
malignant, vii. 945
non-specific, vii. 941
œdematosus, vii. 942
of the auricle, iii. 607
of the cervix uteri, viii. 68
tuberculous, vii. 68
of the cornea, iii. 283, 287
of the larynx, v. 448
of the mucous surfaces, vii. 946
of the oesophagus, vi. 342
of the stomach, vii. 510
of the tongue, vii. 798
of the tympanic membrane, iii. 625
pathology, vii. 940
Pendjeh, vii. 944
peptic, vii. 510
perforating, v. 182; vii. 510, 948
of foot, vi. 557
phagedenic, vii. 942
predisposing causes, vii. 937
raw, vii. 942
rectal, i. 395
rodent, vii. 946
round, of oesophagus, vi. 342
of stomach, vi. 510
routine treatment of, vii. 950
scirrhou, vii. 946
scorbutic, vii. 944
serpiginous, vii. 945
sloughing, vii. 942
specific, vii. 944, 947

Ulcer, ulceration, spreading, vii. 942
symptoms and course, vii. 941
syphilitic, vii. 944
treatment, vii. 946
tropical, vii. 944
tuberculous, vii. 945
typhoid, v. 182
varicose, vii. 943
varieties, vii. 936
weak, vii. 942
Ulerythema ophryogenes, v. 307
Ulmus, iii. 786
americana, iii. 786
campestris, iii. 787
fulva, iii. 786
Ulna, dislocation of, iii. 521
fractures of, iv. 262
Ulnar artery, anomalies of, i. 530
compression of, i. 537
Ulnaris quinti muscle, vi. 54
Ulno-carpus muscle, vi. 54
Utzmann's syringe, iv. 402; vi. 761
Umbelliferæ, viii. 1
poisonous plants of, vi. 695
Umbiliferon, iv. 288
Umbilical cord, vi. 643; viii. 1
at birth, viii. 2
blood-vessels, viii. 4
coverings of, viii. 3
embryology, vii. 1
lymphatics, viii. 5
Wharton's jelly, viii. 3
Umbilical hemorrhage, vi. 280
Umbilical veins, anomalies of, viii. 208
Umbilical vesicle, viii. 334; and see *Yolk sac*
Umbilicus, viii. 3
hernia of, iv. 679; viii. 6
inflammations of, viii. 6
malformations of, viii. 5
surgical affections of, viii. 5
tumors of, viii. 6
Umbo of tympanic membrane, iii. 581
Unaka Springs, vii. 6
Uncinaria, vi. 230
americana, vi. 221
differentiated from strongyloides, iv. 210
duodenalis, vi. 220, 221
Uncinariasis, vi. 220
Uncinariosis, vi. 220
Undershirts, military, v. 795
Underwood Spring, viii. 6
Undulant fever, v. 685
Unguis incarnatus, vi. 98
Uniceptor, viii. 471
Unicorn root, i. 170
Union, delayed, after fracture, iv. 252, 258
faulty, after fracture, iv. 252, 258
United States, food and drug adulteration in, iv. 167
epidemics of yellow fever in, viii. 588
Pharmacopœia of, vi. 586
prevalence of yellow fever in, viii. 586
Upper extremity, muscles of, anomalies of, vi. 48
Upper Red Boiling Springs, viii. 6
Upper Soda Springs, viii. 7
Ura, v. 153
Urachus, persistent, viii. 6

Uræmia, i. 645; v. 334
diarrhoea in, iii. 440
diet in, iii. 460
drowsiness in, iii. 560
erythema of, iv. 7
headache in, iv. 547
treatment of, viii. 7
Uragoga ipecacuanha, v. 210
Ural, viii. 11
Uranium, viii. 11
Uranium, viii. 549
acetate, viii. 11
nitrate, viii. 11
radiators of, viii. 549
Urates, as basis of calculi, iii. 234
deposit of, iii. 396
Urea, viii. 33
decomposition of, by bacteria, i. 684
excretion of, viii. 33
formaldehyde, iv. 246
formation of, in body, v. 771
in the urine, v. 318
estimation of, viii. 34
Uredinales, iv. 282
Uresin, viii. 11
Ureteritis, viii. 12
Uretero-vaginal fistula, viii. 168
Ureters, absence of, viii. 11
anatomy of, viii. 13
atresia of, viii. 11
development of, v. 315
double, viii. 11
examination of, by cystoscope, iii. 347
foreign bodies in, viii. 12
grafting of the, to bowel, viii. 26
implantation of, viii. 14
inflammation of, viii. 11, 14;
and see *Ureteritis*
lymphatics of, v. 637
malformations of, vii. 708; viii. 11
measurement of, viii. 239
methods of reuniting cut ends, after resection, viii. 14
obstruction of, viii. 11, 14
palpation of, i. 778
pathology of, viii. 11
relations of, viii. 14
stenosis of, viii. 11
surgery of, viii. 13
syphilis of, viii. 12
torsion of, viii. 11
traumatism of, viii. 13
tuberculosis of, viii. 12
tumors of, viii. 13
Urethane, vi. 827; viii. 15
ethylid, viii. 15
thymol, vii. 766
Urethra, anatomy of, ii. 747; iv. 322; viii. 15
atresia of, i. 604
calibration and dilatation of orifice of, i. 782
caruncle of, i. 770
catheterism of, ii. 739
chancreoid of, i. 770
constrictions and dilatations of, ii. 749
dilatation of, viii. 22
dimensions of, ii. 748
female, acquired deformities of, i. 765
atrophy of, i. 768
contraction of, i. 767
dilatation of, i. 766

Urethral injections, iv. 400
syringe, iv. 400
Urethritis, viii. 17
chancroidal, vii. 20
chronic, vii. 19
circumscribed, i. 772
diagnosis of, i. 776
gonorrhœal, i. 771; viii. 17
Cowperitis in, iii. 306
posterior, iv. 401
simple, viii. 19
syphilitic, vii. 20
varieties, viii. 17
Urethrocele, i. 766; viii. 158
Urethrometer, Otis, iv. 402
Urethroscope, iv. 403
Urethroscopy, i. 778
Urethrotome, viii. 23
Urethrotomy, viii. 23
external, viii. 23
internal, viii. 23
Urethro-vaginal fistula, viii. 168
Urethylane, v. 782
Urginea maritima, vii. 434
Uric acid, i. 69
calculi, iii. 233
deposit, iii. 396
calibration and dilatation of orifice of, i. 782
caruncle of, i. 770
catheterism of, ii. 739
chancreoid of, i. 770
constrictions and dilatations of, ii. 749
dilatation of, viii. 22
dimensions of, ii. 748
female, acquired deformities of, i. 765
atrophy of, i. 768
contraction of, i. 767
dilatation of, i. 766

Uricacidæmia, diet in, iii. 463
Uricidin, viii. 25
Urinals, iv. 763
in school buildings, vii. 71
Urina potus, viii. 28
Urinary ash, viii. 52
Urinary bladder, extirpation of, viii. 25
after-treatment, viii. 27
indications, viii. 25
management of the ureters, viii. 26
results, viii. 27
technique, viii. 26
Urinary calculi, iii. 232
casts, viii. 58; and see *Casts, urinary*
Urinary organs, diseases of, electrotherapeutics in, iii. 765
lymphatics of, v. 637
Urinary sedatives, viii. 27
sediments, viii. 56
Urine, v. 318; vii. 100; viii. 28
acetone in, viii. 49
acidity of, iii. 233
action of copaiba on, iii. 278
albumin in, viii. 30
albumose in, viii. 32
alloxuric bases in, viii. 36
ammonia in, viii. 56
bases in, viii. 55
behavior toward polarized light, viii. 29
Bence-Jones' albumin in, viii. 32
beta-oxybutyric acid in, viii. 48
bile acids in, viii. 50
pigments in, viii. 50
blood corpuscles in, viii. 56
pigment in, viii. 32
calcium in, viii. 56
carbonate crystals in, viii. 59
oxalate crystals in, viii. 59
sulphate crystals in, viii. 59
carbamic acid in, viii. 33
carbohydrates in, viii. 38
carbonates in, viii. 55
chemical examination of, viii. 30
chlorides in, viii. 52
cholesterol in, viii. 52
color, viii. 29
composition of, v. 317
conjugate sulphates in, viii. 53
cryoscopy, viii. 30
cystin in, viii. 54, 60
dextrin in, viii. 43
diacetic acid in, viii. 49
diamins in, viii. 33
effect of benzoic acid on, i. 744
electric conductivity of, viii. 30
enzymes in, viii. 52
epithelium in, viii. 57
examination of, during pregnancy, iv. 344; v. 380
in life insurance, vi. 512
excretion of, vi. 316
extravasation of, as cause of phlegmon, vi. 612
fat in, viii. 51
fibrin in, viii. 32
fluorescence, viii. 29
freezing point of, viii. 30
fructose in, viii. 42
globulin in, viii. 31
glucose, viii. 39
haemoglobin in, viii. 32
histon in, viii. 33
hydrofluoric acid in, viii. 53
hydrogen peroxide in, viii. 55
hydroquinone in, viii. 44
in amyloid kidney, v. 321
in childhood, ii. 831
in chorea, iii. 42
in chronic prostatitis, vi. 759

Urine, incontinence of, in cystitis, ii. 777
in urethritis, i. 777
in cystitis, i. 794
indican in, viii. 44
indoxylin in, viii. 44
in gout, iv. 406
in insanity, v. 89, 54
in nephritis, v. 334, 339, 341
inorganic constituents of, viii. 52
inosite in, viii. 52
in passive congestion of kidney, v. 322
in renal tumor, v. 327
in urethritis, i. 777
iron in, viii. 56
creatinin in, viii. 37
lactic acid in, viii. 48
lactose in, viii. 42
leucin in, viii. 60
levulose in, viii. 42
magnesium in, viii. 56
melanin in, viii. 51
methemoglobin in, viii. 32
mucin in, viii. 31
neutral sulphur in, viii. 54
nitrates in, viii. 55
nitrites in, viii. 55
nitrogenous equilibrium, viii. 33
nuclein bases in, viii. 36
nucleo-histone in, viii. 33
odor, viii. 30
optical properties of, viii. 29
organic constituents of, viii. 30
overflow of, in cystitis, i. 777
oxalic acid in, viii. 38
oxaluric acid in, viii. 38
parasites in, vi. 501
pentoses in, vi. 550
peptides in, viii. 32
phosphate crystals in, viii. 59
phosphates in, viii. 55
phosphoric acid in, viii. 55
physical properties of, viii. 28
pigments in, viii. 50
poisonous, i. 645
potassium in, viii. 55
preformed sulphates in, viii. 54
ptomaines in, viii. 52
purin bodies in, viii. 35
quantity of, viii. 28
reaction of, viii. 29
retention of, viii. 486
aspiration in, i. 580
in cystitis, i. 777
in urethritis, i. 777
secretion of, conditions modifying, iii. 543
effect of cocaine on, iii. 158
effect of starvation upon, vi. 442
influence of nervous system on, vii. 100
influence of sympathetic system on, vii. 584
sediments in, viii. 56
serum albumin in, viii. 30
signs of disturbances of metabolism in, v. 775
silicates in, viii. 55
silicic acid in, viii. 55
skatol in, viii. 45
skatoxylin in, viii. 45
sodium in, viii. 55
solids excreted in, relation to specific gravity, viii. 29
specific gravity of, viii. 28
spectrum, viii. 30

Urine, spermatozoa in, viii. 57
sulphureted hydrogen in, viii. 54
sulphuric acid in, viii. 53
total sulphates in, viii. 53
transparency, viii. 30
tyrosin in, viii. 60
urea in, viii. 33
uric acid in, viii. 35
crystals in, viii. 58
urobilin in, viii. 50
xanthine bases in, viii. 36
Uriniferous tubules, v. 310
Urisolvin, viii. 60
Urnings, v. 134
Urobilin in urine, viii. 50
Urobilinuria, viii. 50
haemogenous, viii. 51
Urogenital development, chronology of, iv. 321
Urogenital organs, malformations of, vii. 707
Urogenital system, representation of, iv. 319
Uroleucinic acid in urine, viii. 47
Urometer, viii. 29
Uronephrosis, v. 357; and see *Hydronephrosis*
Uroperin, viii. 60
benzoate, viii. 60
Urosin, viii. 60
Urostealth calculi, iii. 235
Urotoxic coefficients, i. 645
Urticaria, viii. 60
bullous, viii. 61
caused by drugs, iii. 422
diagnosed from eczema, iii. 714
factitia, viii. 61
gigas, viii. 61
haemorrhagica, viii. 61
of the pharynx, vi. 951
papulosa, viii. 61
perstans, viii. 61
pigmentosa, viii. 63
Uruguay, Pharmacopeia in, vi. 586
Ustilaginales, iv. 282
Ustilago, viii. 64
maydis, viii. 64
Utah, requirements for medical practice in, iv. 48
Utah Hot Springs, viii. 64
Utah Warm Springs, viii. 64
Uterine bruise, iv. 342
disorders, cause of headache, iv. 549
moles, iii. 803
plexus, vii. 579
probe, iv. 465
souffle, iv. 342
Utero-sacral ligaments, shortening of, viii. 85
Uterus, vii. 157; and see *Sexual organs, female*, and *Gestation*
abnormal communications with, viii. 78
absence of, viii. 72
adenoma of, i. 112
adenomyoma of, viii. 98
anatomy of, vii. 157
anteflexion, viii. 80
anterior displacements in pregnancy, iv. 348
leiomyoma of, vi. 75
lymphatics of, v. 637
malformation of, vii. 709
malignant tumors of, viii. 86
medication of, v. 734
movements of, effect of sympathetic system upon, vii. 587
bicornis, viii. 74

Uterus biforis, viii. 78
bilocularis, viii. 76
cancer of, viii. 89
cervix, abnormal plication of cavity of, viii. 78
abrasions of, viii. 69
absence of, viii. 73
adeno-carcinoma of, viii. 88, 89
affections of, viii. 64
amputation of, viii. 67
atresia of, viii. 68
atrophy of, vii. 64, 73
cancer of, viii. 87
chancroid of, viii. 68
cysts of, iii. 351
dilatation of, viii. 69
discission of, viii. 69
divulsion of, viii. 69
erosions of, viii. 88
hypertrophy of, viii. 66
laceration of, viii. 69
laceration of, a cause of sub-involution, viii. 103
sarcoma of, viii. 94
stenosis of, viii. 68
traumatic affections of, viii. 69
tuberculosis of, viii. 106
tuberculous ulceration of, viii. 68
ulceration of, viii. 68
wounds of, viii. 69
changes in, caused by pregnancy, iv. 338
congenital malformations of, viii. 72
congenitally displaced, viii. 78
cystadenoma of, iii. 344
cystomyoma of, vi. 76
cysts of, iii. 351; viii. 98
deficient development of, viii. 77
development of, vii. 72
didelphys, viii. 76
diductus, viii. 76
displacements of, viii. 78
in pregnancy, iv. 347
menorrhagia in, v. 741
shortening of utero-sacral ligaments for, viii. 85
double, viii. 76
double-mouthed, viii. 78
duplex separatus, viii. 76
effects of anaesthetics upon, v. 888
examination of, iv. 459
faulty development of, viii. 77
fibromyoma of, viii. 96
fixation of, viii. 84
hernia of, viii. 78, 86
during pregnancy, iv. 349
hypoplasia of, viii. 77
incarceration of, in pregnancy, iv. 348
infantile, viii. 77
inversion of, viii. 85
involution, subinvolution, and superinvolution of, viii. 98
lateral displacements of, in pregnancy, iv. 348
leiomyoma of, vi. 75
lymphatics of, v. 637
malformation of, vii. 709
malignant tumors of, viii. 86
medication of, v. 734
movements of, effect of sympathetic system upon, vii. 587
bicornis, viii. 74

Uterus, myoma of, vi. 75; viii. 96
nerves of, vii. 579
non-malignant tumors of, viii. 96
obliquity of, viii. 77
one-horned, viii. 73
partial inversion of, viii. 85
animal, viii. 134
asepsis in, viii. 118
auto-vaccination, viii. 117
bovine, viii. 133
advantages of, viii. 136
collection of lymph, viii. 140
region to be selected for inoculation, viii. 139
scarificator for, viii. 119
technique of, viii. 138
by puncture, viii. 118
by scarification, viii. 118
by scraping, viii. 118
capillary tubes, viii. 142
care of instruments, viii. 119
circumstances calling for immediate, viii. 119
collection of lymph, viii. 140, 143
compulsory, viii. 127
contested points in relation to, viii. 129
crusts, viii. 141
degeneration of vaccine, viii. 138
development of the vesicle, viii. 140
disinfection in, viii. 118
displacement of mortality as an argument against, viii. 150
dry lymph in crusts, viii. 141
in ivory points, viii. 141
in powder, viii. 142
duration of protective power of, vii. 133
effect of climate, viii. 116
upon the age distribution of the mortality from small-pox, viii. 130
extent to which it is now practised, viii. 119
for influenza, v. 17
glycerinated lymph, viii. 142
health of individual, as affecting, viii. 118
history of, viii. 112
instruments employed, viii. 119
insusceptibility to, viii. 117
investigations relative to, viii. 146; and see *Vaccinia, bacteriology of*
Uvula of the cerebellum, ii. 155
Uvula vesicæ, vi. 757
Uvulitis, viii. 107
acute catarrhal, viii. 107
chronic catarrhal, viii. 108
phlegmonous, viii. 107
Uvulotomy, viii. 108

Vaccaria vaccaria, vi. 701
vulgaris, vi. 701
Vaccinating table, viii. 139
Vaccination, vii. 251; viii. 111
age at which revaccination should be performed, viii. 116
for primary, viii. 117
alleged increased general death rate resulting from, viii. 150
increased liability to other diseases caused by, viii. 150
protection afforded by, viii. 121, 133
revaccination, viii. 116
statistics of results, viii. 120
technique of, viii. 117
vaccination, viii. 117

Vaccine, degeneration of, viii. 138

Vaccine, government production of, viii. 138
lymph, efficiency of, viii. 140
preparation of, viii. 140
scirifier, viii. 119
vesicles, gauge for measuring, viii. 119
Vaccinia, iii. 307; viii. 112
bacteriology of, viii. 144
constitutional symptoms, viii. 113
distribution, viii. 112
incubation, viii. 113
irregular forms, viii. 115
modified, viii. 115
phenomena of, in cow, viii. 112
in man, viii. 115
relation of, to variola, viii. 113
spurious eruptions, viii. 113
Vaccination, viii. 117
Vacuolar degeneration of the neurones, vi. 262
Vacuoles, ii. 761
Vacuum method of ventilating ships, vi. 157
Vagina, absence of, viii. 153
anatomy of, vii. 164
atresia of, i. 604; viii. 154
cancer of, ii. 640
congenital malformations of, viii. 153
cysts of, iii. 351; viii. 158
development of, viii. 153
diseases of, viii. 158
divided, viii. 157
duplex, viii. 157
faulty communication of, with other cavities, viii. 157
fistulae of, viii. 168
infantile, viii. 158
inflammation of, viii. 63; and see *Vaginitis*
inversions of mucous membrane of, viii. 157
lymphatics of, v. 637
malformation of, vii. 709
measurements of, viii. 239
medication of, v. 734
modifications of, in pregnancy, iv. 340
stenosis of, viii. 156
subinvolution of, viii. 104
syphilitic lesion of, vii. 626
tamponing, viii. 177
tuberculosis of, viii. 104
Vaginal touch, iv. 342
Vaginismus, viii. 179
Vaginitis, viii. 163
in children, viii. 163
in the married, viii. 164
in the unmarried, viii. 164
senile, leucorrhœa accompanying, v. 496
specific, viii. 166
Vagus nerve, iii. 318; v. 20
action on respiration, vi. 952
Valentine's apparatus for irrigating the urethra and bladder, viii. 19
knife, iv. 712
Valerian, viii. 180
American, iii. 340
as an antispasmodic, i. 387
Valeriana officinalis, viii. 180
Valerianates, viii. 181
of iron, v. 227
of quinine, iii. 90
of zinc, viii. 339