

## INDEX.

### ABD

**ABDOMEN**, wounds of, aseptic treatment, 115  
*Abernethy* on treatment of wounds, 306  
 Abiogenesis, theories of, 145  
 Abscesses, acute micro-organisms in, 253  
 — significance of micrococci in, 255  
 — *Anel* on aspiration of, 300  
 — aseptic drainage of, 110  
 — aseptic treatment of, 109  
 — chronic, effects of air on, *Abernethy* on, 306  
 — — — — — *B. Bell* on, 305  
 — — — — — *A. Munro* on, 306  
 — — — — — *H. Munro* on, 306  
 — relation of micro-organisms to, 253  
 — treatment of, *Pearson* on, 312  
 — — — *Richter* on, 308  
 — lumbar. See Lumbar abscess.  
 — near anus, aseptic treatment of, 112  
 — near pubis, dressing of, 105  
 — of hip-joint. See Hip-joint.  
 — of joints, aseptic treatment of, 443  
 — perineal, aseptic treatment of, 112  
 — psoas. See Psoas abscess.  
 — retropharyngeal, aseptic treatment of, 110  
 — spinal, recumbent position in, 111  
 — thoracic. See Empyema.  
 — valvular, treatment of, *Abernethy* on, 307  
 — vertebral, absence of statistics of, 539  
 — — aseptic course of, 519, 538  
 — — pathology of, 555  
 — — results of, 517  
 — — time for opening of, 519  
 Absorption by granulations, *Hack* on, 268, 269, 407  
*Adams* on subcutaneous surgery, 321, 322

### ANT

Air, effects of, on wounds, *Abernethy* on, 306  
 — — — — — *Benjamin Bell* on, 305  
 — — — — — *John Bell* on, 310  
 — — — — — *Demarquay* and *Leconte* on, 331  
 — — — — — *Humphrey* on, 334  
 — — — — — *John Hunter* on, 308  
 — — — — — *Malgaigne* on, 331  
 — — — — — *Alex. Munro* on, 306  
 — — — — — *Hugh Munro* on, 306  
 — — — — — *Pringle* on, 305  
 — — — — — *Valette* on, 345  
 — — — — — *Velpeau* on, 331  
 — examination by the *Author*, 198  
 — — — *Pasteur*, 165  
 — — — *Pouchet*, 163  
 — filtration of, through cotton-wool, 12  
 — *Schwann's* experiments with heated, 6  
*Albert* on operation on joints, 447  
 Albuminuria, operations in, 559  
 Alcohol as an antiseptic, 269, 348  
 — results of treatment with, 406  
 Alcoholic fermentation, 209  
 Alumina, acetate of, use in aseptic treatment, 139, 363  
 Amputation in phthisis, 559  
*Amussat* on irrigation, 341  
 Anal abscess, aseptic treatment of, 112  
*Anel* on aspiration of abscesses, 300  
 Animal tissues boiled, fermentation of, 14, 22, 24  
 — — unboiled, fermentation of, 45  
 Antiseptic, definition of term, 1  
 — derivation of term, 1  
 — surgery, history of, 290  
 — — — in sixteenth century, 292  
 — — — — — seventeenth century, 296  
 — — — — — eighteenth century, 300  
 — — — — — present century, 317  
 — — — meaning of term, 1, 145, 265

- ANT
- Antiseptic surgery, points in testing result, 367  
 — principles of, 288  
 — relations to fermentations in wounds, 366  
 — relations to infective disease, 540  
 — results of, 365  
 — summary of views on, up to 1800, 314  
 — varieties of, 265
- Antiseptics, *Bennion* on use of, 336  
 — *Bilguer* on use of, 302  
 — *Colbatch* on use of, 297  
 — in common use, 348 *et seq.*  
 — treatment by, 265, 267, 583  
 — history of, 347  
 — *Lister's* results in, 376  
 — relation to fermentation in wounds, 366  
 — relation to infective disease, 405  
 — *Reyher's* results in, 401
- Appert's* method of preserving fruits, &c., 4  
 — milk, 15
- Arcæus's* method of wound treatment, 294
- Arnemann*, treatment of wounds, 312
- Aseptic cases, table of temperature charts of, 585
- Aseptic course of chronic abscesses, 519, 538, 555  
 — compound fractures, 462, 563  
 — operations on joints, 421  
 — wounds, outline of, 566, 575
- Aseptic method, does it exclude micro-organisms from wounds? 227, 454  
 — does it prevent fermentations in wounds? 226, 366
- Aseptic operations, diet after, 576  
 — duties of dresser in, 72  
 — errors in, how corrected, 74  
 — example of, 67  
 — ligature of vessels in, 75  
 — on joints, results, 426  
 — temperature after, 576  
 — use of carbolised towel in, 67, 72  
 — use of guard in, 74
- Aseptic surgery, definition of, 51  
 — general results of. See Statistics.  
 — principles of, 51, 52, 359  
 — relations to infective disease, 368, 540
- Aseptic temperature curve, 580
- Aseptic treatment, advantages peculiar to, 561  
 — bearing on conservative surgery, 562
- AUT
- Aseptic treatment, cost of, 593  
 — development of, 128  
 — example of failure of, 454  
 — experience essential in, 504  
 — in country practice, 120  
 — in war, 123  
 — objections to, 588  
 — of abscess, 109  
 — accidental wounds, 112  
 — bursitis, 568  
 — burns, 117  
 — compound fractures, 114, 461, 563  
 — of skull, 115  
 — contused wounds, 113  
 — dissection wound, 119  
 — gangrene, 117  
 — gunshot wounds, 123  
 — hydrocele, 568  
 — wounds of abdomen, 115  
 — intestines, 115  
 — joints, 114  
 — results, 422  
 — muscles, 114  
 — nerves, 114  
 — tendons, 114  
 — thorax, 115  
 — relation to erysipelas, 541  
 — trouble connected with, 594  
 — use of acetate of alumina in, 139  
 — eucalyptus oil in, 140  
 — thymol in, 139  
 — salicylic acid in, 136
- Aseptic wounds, *Author* on micro-organisms in, 229  
 — drainage of, 76  
 — micrococci in, 243, 256  
 — stitching of, 85  
 — strapping of, 86  
 — substitutes for carbolic acid, 136
- Aseptic use of cotton wool, 141  
 — salicylic acid, results of, 404  
 — thymol, results of, 404
- Author*, examination of air, 198  
 — experiments on destruction of bacteria by healthy tissues, 252, 283  
 — experiments on fermentation, 25  
 — of blood, 35  
 — micro-organisms in aseptic wounds, 229  
 — relation to living body, 205 *et seq.*  
 — spontaneous generation, 193, 195, 200, 202  
 — on fermentation of boiled urine, 25  
 — unboiled animal tissues, 45  
 — egg albumen, 43

- AUT
- Author*, on fermentation of unboiled milk, 39  
 — urine, 37  
 Axilla, aseptic dressing of, 100
- BACILLI in wounds treated with eucalyptus gauze, 591
- Bacteria, formation of pigment by, 212  
 — *Koch's* method of staining, 233  
 — under A. Guérin's dressing, 329, 330
- Bandage, carbolic gauze, 89  
 — elastic, 90  
 — muslin, 89
- Bandaging of gauze dressing, 89
- Bardenheben* on Listerism, 361
- Bardenheuer*, results with aseptic treatment, 416  
 — statistics of compound fractures, 509
- Barker* on use of cotton wool, 143
- Barnes* on results of cleanliness, 548
- Barth's* statistics of wounds of joints, 445
- Bartscher* and *Veizin's* open method of treatment, 277, 332
- Bastian* on spontaneous generation, 176, 181, 187, 191, 196
- Bataillé* on dressings with alcohol, 348
- Bell, Benjamin*, on action of air on wounds, 305  
 — on drainage tubes, 305  
 — on wound treatment, 304
- Bell, Sir C.*, on removal of loose cartilages, 312  
 — subcutaneous division of ligaments, 319
- Bell, John*, on effects of air on wounds, 310  
 — treatment of compound fractures, 311  
 — wounds of joints, 311  
 — wound treatment, 312
- Belloste* on treatment of wounds, 300
- Bennion* on wound treatment, 336
- Bérard* on irrigation, 339
- Bergmann* on gunshot wounds of joints, 452
- Bert* on fermentation, 220  
 — spontaneous generation, 184, 185, 201
- Bilguer* on results of compound fractures, 302  
 — wound treatment, 302
- Billroth* on micro-organisms, 243  
 — in abscesses, 253  
 — statistics of septic treatment, 413
- CAR
- Billroth* and *Tiegel* on fermentation of unboiled animal tissues, 44
- Bistournage, 249
- Blanchard* on A. Guérin's dressing, 326
- Blondus* on treatment of wounds, 292
- Blood, fermentation of, 33
- Blood clot, organisation of, 568
- Boerhaave* on putrefaction of pus, 301
- Boiled substances, fermentation of, 1, 29
- Bone, gunshot wounds of, results of, 512  
 — organisation of, 571
- Bonnet* on cauterisation of wounds, 338, 349
- Boracic acid lint, 64  
 — lotion, 64  
 — ointment, 64  
 — lint dressings, changing of, 94  
 — use of, 93, 268  
 — wet, in place of poultice, 95  
 — ointment as a dressing, 94
- Bouisson's* method of ventilating wounds, 279, 337
- Boyer* on treatment of wounds, 314
- Brodie, B.*, on treatment of varicose veins, 319
- Bruns* on carbolic acid gauze, 63, 362  
 — treatment of wounds, 291
- Bryant* on *Lister's* operations on joints, 440
- Buffon* on spontaneous generation, 147
- Burdon-Sanderson* on fermentation of blood, 35  
 — unboiled animal tissues, 45  
 — micro-organisms in living body, 250  
 — spontaneous generation, 188
- Burns, aseptic treatment of, 117
- Burrow*, open method of treatment, 278  
 — on results of the open method, 333, 409
- Bursitis, aseptic treatment of, 568
- Bussy* on use of coal tar, 351
- Button stitches, 85
- Butyric fermentation, 212
- CABOT on chlorinated soda, 269  
*Caignard-Latour* on yeast cells, 6
- Callender's* method of wound treatment, 363, 595
- Calvert* on carbolic acid, 352
- Cameron's* statistics, 371
- Canquoin* on crust formation, 338, 349
- Carbolic acid, *Lemaire* on use of, 354



## EGG

- Egg albumen, unboiled, fermentation of, 42  
*Egineta, Paul A.*, on healing of wounds, 291  
 Empyema, aseptic treatment of, 111  
*Encyclopédie Méthodique* on purity of air, 306  
 Eremacausis, definition of, 9  
*Erichsen* on mortality after amputation, 414  
 Errors in aseptic operations, how corrected, 74  
 Erysipelas, relation to aseptic treatment, 541  
*Esmarch*, aseptic treatment in war, 125  
 — irrigator, 273  
 — on use of iced water, 341  
 — statistics, 396  
 Eucalyptus oil, aseptic use of, 140, 591  
 — ointment, 141  
 Excision of joints, aseptic dressing of, 107  
 Exhaustion, deaths from, 554  
 Exostosis, aseptic treatment of, 503

**F** *FABRONI* on fermentation, 3  
*Fallopian* on healing under a crust, 294

- Faure* on crust formation, 338  
 Femur, compound fractures of. See Compound fractures.  
 Fermentation, alcoholic, 209  
 — always due to particles coming from without, 50  
 — and eremacausis, 9  
 — *Bert* on, 220  
 — of blood, 33  
 — — boiled egg albumen, 14, 15, 22  
 — — — milk, 14, 15, 20, 22, 25  
 — — — animal tissues, 14, 15, 22, 24  
 — — — substances, 14, 22, 24, 29  
 — — — urine, 24, 26  
 — butyric, 212  
 — cause of, 51  
 — causes not gaseous, 50  
 — *Cazeneuve* and *Livon* on, 37, 218  
 — chemical, 2  
 — definition of, 1  
 — gaseous theory of, 4  
 — in wounds, is it prevented by the aseptic method? 226, 366  
 — — — relations of antiseptic surgery to, 366  
 — lactic, 214  
 — *Lemaire* on, 218, 353

## GAY

- Fermentation, *Liebig* on, 9, 197, 208  
 — particulate theory of, 1  
 — *Pasteur's* theory of, 223  
 — pigment, 212  
 — prevention of, 51  
 — putrefactive, 218  
 — relation of micro-organisms to, 205  
 — summary of views on, 17  
 — of tissues in the living body, 50  
 — of unboiled animal tissues, 44  
 — — — egg albumen, 42  
 — — — grape juice, 30  
 — — — milk, 37  
 — — — substances, 30  
 — — — urine, 36  
 — — — vegetable tissues, 44  
 — — — viscous, 214  
 — — — vital, 2, 206  
 Ferments, theories of actions of, 205  
*Ferrier* and *Yeo's* experiments on monkey, 567  
*Fioravanti*, balsam of, 347  
*Fischer, E.*, on micro-organisms in wounds, 228  
 — *H.*, on use of alumina acetate, 363  
*Fock* on immersion, 344  
 Forceps, sinus, 79  
 Fore-arm, compound fractures of. See Compound fractures.  
 Fractures, compound. See Compound fractures.  
*Fraenckel* and *Vollmann's* septic results of compound fracture, 511  
*Frankland* on Bastian's experiments, 189  
*Fritze* on water dressing, 316

**G** *GANGRENE*, aseptic treatment of, 117

- Gaseous theory of fermentation, 4  
 Gauze, carbolic, bandage, 89  
 — general dressing, 89  
 — loose, 89  
 — Münnich, 362  
 — use in deep dressing, 88  
 — carbolic, preparation of (*Lister's*), 61  
 — — — (*Von Brun's*), 63  
 — dressing, how to make a, 64  
 — eucalyptus, 141  
 — thymol, 139  
*Gay-Lussac* on fermentation, 4  
 — — — of unboiled grape juice, 30  
*Gayon* on fermentation of unboiled egg albumen, 42

## GEL

- Gelatinous degeneration of joints, aseptic treatment of, 442  
 Generation, spontaneous, theories of, 145 *et seq.*  
*Gensoul* on crust formation, 338, 349  
*Genu Valgum, MacEwen* on, 504  
 — — — *Ogston* on, 322  
*Gibson* on removal of loose cartilages, 313  
 Glycerine, treatment of wounds by, 348  
*Gosselin* on A. Guérin's dressing, 329  
*Goyraud* on subcutaneous surgery, 321  
 Granulations, absorption by, 268, 407  
 Grape juice boiled, *Gay-Lussac* on, 5  
 — — — unboiled, fermentation of, 30  
*Gross* on subcutaneous osteotomy, 322  
 — *M.*, on aseptic treatment, 399  
*Grüthuisen* on spontaneous generation, 182  
*Gscheidlen* and *Traube* on destruction of bacteria by healthy tissues, 283  
 Guard, use of, in aseptic operations, 74  
*Guérin's, Alphonse*, cotton wool treatment, 280, 325, 408  
*Guérin, Jules*, on occlusion, 323, 324, 325  
 — — — subcutaneous surgery, 320  
*Guersant* on use of chlorinated soda, 349  
 Gunshot wounds, aseptic treatment of, 123  
 — — of bone, results of, 512  
 — — — joints, 447  
*Guyot* on treatment by incubation, 317  
*Guyton* on chlorine as a disinfectant, 349

**H** *HACK* on absorption by granulations, 268, 407

- Hands, purification of, 67, 69  
*Hartley* on spontaneous generation, 189  
*Hawkins, Chas.*, on occurrence of phagedæna, 548  
*Heintzel's* statistics of gunshot wounds of joints, 453  
*Heister* on wound treatment, 302  
*Helmholtz* on fermentation, 8  
 Hernia, aseptic dressing of, 105  
*Heron*, early reports of Listerian method, 134  
*Hervey* on A. Guérin's dressing, 326  
*Hervieu* on use of chlorinated soda, 349  
 Heterogenesis, theories of, 145  
*Hewett, Prescott*, on pyæmia in private practice, 548

## RR

- Hingston* on use of carbolic acid, 357  
 Hip joint, aseptic dressing of abscess of, 104  
 History of antiseptic surgery, 290  
 — — *Lister's* earlier aseptic methods, 128  
*Holmes* on the germ theory, 225  
 — — results with cleanliness, 547  
 — — statistics of amputations, 414  
 — — — compound fracture, 512  
*Hoppe-Seyler* on fermentation of unboiled milk, 37  
 Horse-hair drains, 82  
 — — reintroduction of, 83  
 Hospital, St. Bartholomew's, major amputations at, 407  
*Hueter* on aseptic surgery, 398  
 — — puncture of joints, 447  
*Huizinga* on spontaneous generation, 181  
 Humerus, compound fractures of. See Compound fractures.  
*Humphrey* on the open method, 334  
*Hunter, J.*, on bad effects of air, 308  
 — — crust formation, 310, 335  
 — — resistance of blood to putrefaction, 284  
 — — wound treatment, 310  
*Hutchinson*, method of using alcohol, 269, 348  
 — — on pyæmia in lower animals, 548  
 — — results with alcohol, 407  
*Huxley* on spontaneous generation, 188  
 Hydrocele, aseptic treatment of, 568

**I** *MMERSION*, history and results of. See Irrigation.

- treatment by, 272  
 Incubation, treatment by, 317  
 Infective diseases, definition of, 367  
 — — germ theory of, 552  
 — — relations of aseptic surgery to, 368, 540  
 — — relation of treatment with antiseptics to, 405  
 Inflammation, absence of, in aseptic wounds, 566  
 Instruments, purification of, 67, 69  
 Intestines, wounds of, aseptic treatment, 115  
 Iodine, use of, as an antiseptic, 350  
 Iodoform, 65, 350  
 Iron perchloride, as a disinfectant, 350  
 Irrigation, course of wounds treated by, 587  
 — history of, 338

## IRR

- Irrigation, its relation to fermentation in wounds, 366  
 — treatment by, 272  
 — and immersion, results of, 344, 346, 406  
*Isambert* on irrigation, 342

- J**AW, lower, compound fractures of. See Compound fractures.  
 Joints, abscess of, 443  
 — dangers of wounds of, 296, 305, 308, 311, 313, 314, 558  
 — excision of. See Excision.  
 — gelatinous degeneration of, 442  
 — gunshot wounds of, 447  
 — operations on, 305, 312, 446 *et seq.*  
 — healthy, results of aseptic treatment, 426  
 — — wounds of, aseptic course of, 421  
 — — — — — treatment, 114, 419  
*Joly* on spontaneous generation, 172  
*Jossé* on irrigation, 339  
*Jute*, salicylic acid, 138

- K**EITH, aseptic ovariectomy, 403  
*Kern, Vincenz von*, on wound treatment, 315  
*Klebs* on micro-organisms in wounds, 228  
*Koch*, method of staining bacteria, 233  
 — on micrococci, 244  
*Kraske* on gunshot wounds of joints, 447  
*Krönlein*, results from open treatment, 410, 586  
 — statistics of compound fracture, 514

- L**ABARAQUE, Liquor de, 349  
 Lactic fermentation, 214  
*Lamotier* on irrigation, 339  
*Lanfranc* on immediate union of wounds, 291  
*Langenbeck* on the permanent water bath, 342  
 — — subcutaneous osteotomy, 322  
*Lankester, E. Ray*, on spontaneous generation, 189  
*Lannelongue* on occlusion, 325  
*Larrey* on wounds of joints, 314  
 — statistics of operations on joints, 459  
*Latta* on psoas abscess, 306  
*Laugier* on occlusion, 323  
*Lavoisier* on fermentation, 3  
*Le Bauf* on tincture de saponine, 352

## LIS

- Léconte and Demarquay* on carbonic acid gas, 331  
*Le Fort* on dressings with alcohol, 348  
 Leg, compound fractures of. See Compound fractures.  
*Lemaire* on 'coal tar saponiné,' 352  
 — — fermentation, 218, 353  
 — — use of carbolic acid, 354  
*Létiévant* on operations on joints, 447  
 — — results of aseptic treatment, 399  
*Leuwenhoeck* on yeast, 6  
*Leveillé* on removal of loose cartilages, 313  
*Liebig* on fermentation, 9, 197, 208  
 Ligature of vessels with catgut, 75  
 Limbs, aseptic dressing of, 101  
 — compound fractures of, summary of, 478  
 Lime, chloride, in wound treatment, 349  
*Lindpaintner* on Nussbaum's statistics, 390  
*Lister*, compound fractures, summary of, 484, 498  
 — earlier aseptic methods, 128  
 — on aseptic treatment in war, 123  
 — — use of cotton wool, 141  
 — — causes of suppuration, 596  
 — — crust formation, 128, 337  
 — — destruction of bacteria by healthy tissues, 282  
 — — eucalyptus oil, 141  
 — — fermentation, 17  
 — — of blood, 35  
 — — — — — boiled milk, 20  
 — — — — — urine, 20  
 — — — — — unboiled milk, 39  
 — — — — — urine, 36  
 — — lactic fermentation, 215  
 — — organisation of the catgut ligature, 572  
 — — originator of aseptic system, 359 *et seq.*  
 — on spontaneous generation, 192, 194, 199  
 — — treatment by cleanliness, 544  
 — — use of zinc chloride, 349  
 — operations on joints, summary of, 440  
 — results of aseptic treatment in Edinburgh, 371  
 — — — — — Glasgow, 368  
 — — — — — London, 382  
 — — — — — treatment by antiseptics in Edinburgh, 376  
 — summary of spinal abscesses, 536  
 — table of compound fractures, 466

## LIS

- Lister*, table of operations on joints, 421  
 — — — — — spinal abscesses, 522  
 Listerian method, development of, 127, 358  
 — — materials employed in, 52  
 Listerism, definition of, 554  
 — principles of, 51, 359  
*Liston* on water dressing, 316  
*Livon and Cuzenewue* on fermentation, 218  
 — — — — — of unboiled urine, 37  
 — — — — — on spontaneous generation, 195, 201  
*Lombard* on treatment of wounds, 315, 339  
 Lotion, boracic, 64  
 — carbolic, 53  
 Lumbar abscess, Abernethy on, 306  
 — — aseptic dressing of, 104  
 — — results of. See Vertebral abscess.
- M**AAS on acetate of alumina, 139, 363  
*MacCormac* on gunshot wounds of joints, 452  
 — statistics of compound fractures, 509  
*MacEwen, Mr.*, Glasgow statistics, 370  
 — *Dr.*, absorbable drainage tubes, 84  
 — operations on bones, 504  
 Mackintosh, use of, in gauze dressing, 63, 90  
*Magatus* on wound treatment, 295  
*Malgaigne* on effect of air on wounds, 331  
 — — irrigation, 341  
 — — statistics of septic treatment, 413  
*Maisonneuve* on occlusion, 324  
*Malloch*, early reports of Listerian method, 134  
 Mamma, dressings after operations on, 97  
*Mantegazza* on spontaneous generation, 172  
*Mayor* on immersion, 340  
*McVail's* statistics, 415  
 Meat, fermentation of. See Animal tissues.  
*Meissner* on fermentation of unboiled animal tissues, 49  
*Melladen* on aseptic treatment in war, 127  
*Meyer* on subcutaneous osteotomy, 322  
 Micrococci, Billroth on, 243  
 — characteristics of, 244

## NEL

- Micrococci, definition of, 243  
 — in wounds treated aseptically, 243, 247, 256  
 — *Koch* on, 244  
 — *Lister* on, 244  
 — mode of growth of, 244  
 — relations of, to carbolic acid, 261  
 — their significance in acute abscess, 255, 596  
 — *Tiegel* on, 244  
 Micro-organisms, are they excluded from wounds by aseptic treatment? 227, 454  
 — *Author* on relations of, to living body, 205 *et seq.*  
 — destruction by healthy tissues, 252, 282  
 — in acute abscesses, 253, 597  
 — in chronic abscesses, 253  
 — in wounds treated aseptically, 227 *et seq.*  
 — in wounds treated with eucalyptus gauze, 591  
 — not present in body in health, 248  
 — relation of, to fermentation, 205  
 — — — — — living body, 205 *et seq.*  
 — resistance to heat of, 203  
 — their presence in disease, 250, 597  
 — relation to spontaneous generation, 145 *et seq.*  
 Milk, Appert's method of preserving, 15  
 — boiled, fermentation of, 14, 15, 20, 22, 25  
 — unboiled, fermentation of, 37, 38, 39, 214  
*Milton* on use of potash chlorate, 350  
*Morgan, Campbell de*, on use of zinc chloride, 349  
*Morton's* statistics, 371  
*Münch's* carbolic gauze, 362  
*Munro, Alex.*, on bad effects of air, 306  
 — *Hugh*, on bad effects of air, 306  
 Muscles, wounds of, aseptic treatment, 114  
*Musculus* on ammoniacal fermentation of urine, 207  
*Musset* on spontaneous generation, 172  
 Myotomy, subcutaneous, 319, 320
- N**ÆVI, treatment of, 119  
 Neck, aseptic dressing of, 96  
 Necrosis after compound fracture, cause of, 557  
*Needham* on spontaneous generation, 146, 149  
*Nélaton* on dressings with alcohol, 348

## NEL

- Nélaton* on irrigation, 341  
 Nerves, wounds of, aseptic treatment, 114  
*Neuber*, absorbable drainage tubes, 83, 362  
 — on Esmarch's statistics, 397  
 — permanent aseptic dressing, 362  
*Neudörfer* on crust formation, 271, 279, 335  
 — Listerism, 360  
*Nivet* on irrigation, 340  
*Nussbaum* on carbolic acid poisoning, 589  
 — operations on joints, 447  
 — results of cleanliness, 390, 394, 546  
 — statistics, 389, 393

## OBJECTIONS to aseptic treatment, 588

- Occlusion, history of, 322  
 — its relation to fermentation in wounds, 367  
 — results of, 323, 407.  
*Ogston* on absence of micro-organisms from healthy body, 250  
 — micro-organisms in abscesses, 253  
 — wounds treated aseptically, 263  
 — subcutaneous osteotomy, 322  
 Ointment, boracic, 64  
 — eucalyptus, 141  
 — salicylic, 65  
*Ollier* on A. Guérin's dressing, 330  
 Open method of treatment, 276  
 — general course of wounds, 586  
 — history of, 332  
 — relation to fermentation in wounds, 366  
 — results of 333, 408  
 — in compound fracture, 514  
 Operations, aseptic, diet after, 576  
 — on healthy joints, 420  
 — results of, 426  
 — aseptically performed, duties of dresser in, 72  
 — example of, 67  
 — ligature of vessels, 75  
 — use of guard in, 74  
 — towel in, 67, 72  
 — necessary, more frequently justifiable with Listerism, 559  
 — on the weak and diseased, 559  
 Organisation in blood clot, 568  
 — bone, 571  
 — catgut, 571  
 — dead tissue, *Tillmanns* on, 573

## PRI

- Organisation in sloughs, 570  
 Osteitis, aseptic treatment of, 503  
 Osteo-myelitis, treatment of, 558  
 Osteotomy, subcutaneous, history of, 321  
*Otius* on water treatment, 339  
 Ovariectomy, aseptic dressing of, 109

- PAGET** on operations on joints, 460  
 — pyæmia in hospital, 548  
 — results of psoas abscess, 539  
*Palatius* on irrigation, 339  
*Panas* on aseptic treatment, 399  
 — A. Guérin's dressing, 328  
 'Pansement ouaté.' See Wool cotton, A. Guérin's method.  
*Pasteur* on alcoholic fermentation, 209  
 — on butyric fermentation, 212  
 — cultivating fluid, 167  
 — examination of air by, 165  
 — on fermentation, 15  
 — of blood, 33  
 — boiled milk, 15  
 — unboiled grape juice, 32  
 — urine, 36  
 — A. Guérin's dressing, 329  
 — spontaneous generation, 164, 191, 195, 202  
 — theory of fermentation, 223  
*Paracelsus's* views on wound treatment, 292  
*Paré*, views on wound treatment, 293  
*Parmanns* on wound treatment, 300  
 Particulate theory of fermentation, 1  
*Paul's* statistics of septic treatment, 414  
*Pearson* on treatment of psoas abscess, 312  
*Percy* on wound treatment, 315, 339  
 Perineum, aseptic treatment of abscess of, 112  
 Phthisis, operations in, 559  
*Picard* on immersion, 342, 345  
*Pièchaut* on wounds of joints, 446  
 Pigment, formation of, by bacteria, 212  
 Pins, use of, in gauze dressing, 89  
 Poisoning with carbolic acid, 588 *et seq.*  
*Poncet* on A. Guérin's dressing, 330  
 Potash chlorate, 350  
*Pott, Percival*, on wound treatment, 304  
 — results of compound fracture, 304  
*Pouchet*, examination of air by, 163  
 — on spontaneous generation, 153, 168, 196  
*Pringle* on effects of foul air, 304

## PRO

- Protective, errors in use of, 87  
 — preparation of, 60  
 — use in aseptic dressing, 87  
 Psoas abscess, aseptic course of, 519  
 — dressing of, 101  
 — early incision of, 519  
 — probabilities of putrefaction in, 537  
 — results of, 305, 306, 312, 517  
 — situation of incision, 102, 517  
*Pupier* on immersion, 346  
 Purification of hands, 67, 69  
 — instruments, 67, 69  
 — recent wounds, 112  
 — septic wounds, 93, 114  
 — skin, 67, 68  
 Putrefaction, definition of, 1  
 — dangers of, 551  
 — eradication of, in compound fractures, 478  
 — of pus, *Boerhaave* on dangers of, 301  
 — theories of. See Fermentation.  
 Putrefactive fermentation, 218  
 Pyæmia in good hygienic conditions, 548  
 — relations to fermentation in wounds, 550

- RANKE** on micro-organisms in aseptic wounds, 227  
*Renault* on use of antiseptics, 351  
*Rest, Magatus* on, 295  
 — mechanical, as an antiseptic method of treatment, 281  
 — the fundamental principle of wound treatment, 596  
 Results of antiseptic surgery. See Antiseptic surgery.  
 — aseptic treatment. See Aseptic.  
 — general aseptic, summary of, 417  
 — of A. Guérin's dressing. See Wool cotton.  
 — irrigation. See Irrigation.  
 — occlusion. See Occlusion.  
 — open method. See Open method.  
 — treatment by antiseptics. See Antiseptics.  
 — water bath. See Water bath.  
 Retropharyngeal abscess, aseptic treatment of, 110  
*Reyher* on aseptic treatment in war, 126  
 — gunshot wounds of bone, 512  
 — joints, 448  
 — Syme's statistics, 382  
 — results in war, 401

## SCH

- Richter* on wound treatment, 308  
*Ricard* on treatment of varicose veins, 319  
*Roberts* on fermentation, 22  
 — of blood, 35  
 — boiled animal tissues, 22  
 — egg albumen, 22  
 — milk, 22  
 — unboiled egg albumen, 43  
 — grape juice, 32  
 — milk, 38  
 — urine, 37  
 — vegetable tissues, 44  
 — spontaneous generation, 181, 191, 192, 195  
*Rochard* on dressings with alcohol, 348  
 — occlusion, 323  
 — water dressing, 316  
*Rogerius's* applications to wounds, 291  
*Rose's* open method of treatment, 278

- SALICYLIC** acid, aseptic use of, 136  
 — cream, 65, 89  
 — dressings with, 138  
 — jute, 137  
 — lotion, 138  
 — ointment, preparation of, 65  
 — uses of, 117, 270  
 — results of treatment with, 404  
 — wool, 137  
*Sanderson, Jas.*, on resistance of seeds to heat, 203  
 Sanitas, 271  
 Saponine, tincture of, 352  
 Sapræmia, definition of, 367  
*Savory* on causes of pyæmia, 550  
 — treatment by cleanliness, 542  
 — results with cleanliness, 545  
 — statistics, 414  
*Saatorph's* results of operations on joints, 446  
 — statistics, 396  
 Scabbing, healing by, 279  
 Scalp, aseptic dressing of, 96  
 Scars not adherent after aseptic amputation, 568  
*Schede*, comparative statistics, 399  
 — on wounds of joints, 444  
 — statistics of compound fractures, 508  
*Schroeder* on fermentation, 14, 15  
 — spontaneous generation, 152  
 — and *Dusch* on fermentation, 12  
 — spontaneous generation, 152  
*Schroeter* on pigment bacteria, 212