

INDEX

- Abortion in mares and Gaertner infections 85
 Actinomycosis 10, 11
 Aerobes, putrefactive 112
Agaricus campestris 28
Agaricus oreades 28
 Age and sex distribution in food poisoning outbreaks 48
 Agglutination tests, value of 8, 235
Agrostemma githago 33
 Alimentary toxæmia 106
 Amanita-haemolysin 30
Amanita muscaria 28
Amanita phalloides 28, 30
Amanita verna 29
 Amines, in human intestine 107; in putrefaction 103, 116
 Amino-acids and bacterial growth 103; composition 101; degradation products of 102
 Anaerobes, putrefactive 109
 Anaphylaxis and food idiosyncrasy 36
 Animal organs, bacteria in 239
 Animals, inherently poisonous 24; infectious diseases transmissible to man 10
 Anthrax 2, 10, 11
 Antimony in foods 193
 Apples and arsenical contamination 192
 Arsenic in baking powder 193; in beer 188; in food 188; in glucose 189; in insecticide solutions 192; in shellac 192; in sweets 191
 Asthma and food idiosyncrasy 39
Bacillus abortus equi 85
Bacillus aerogenes capsulatus 111
Bacillus aertrycke 64, 171
Bacillus botulinus and botulism 151; characters of 151; distribution in nature 157; first isolation of 8, 151; isolation of 234
Bacillus cadaveris sporogenes 110
Bacillus coli and cheese poisoning 136, 138; and food poisoning 58, 95, 98; as a putrefactive organism 113; isolation of 233
Bacillus enteritidis and human disease 66; characters of 66; first isolation of 7; in human intestine 88; in milk outbreaks 162; in prepared meats 92; in rats and mice 91, 92; position in Gaertner group 63, 64; toxins of 75; variation of characters 65; virulence by feeding 73
Bacillus enteritidis sporogenes 111
Bacillus faecalis alkaligenes 59
Bacillus glässer 81
Bacillus hypertoxicus 59
Bacillus morbificans bovis 84
 Bacillus of malignant oedema 110
Bacillus paratyphosus A 61, 66
Bacillus paratyphosus B in brewery yeast 65; in human intestine 88; in paratyphoid fever 66; in rats and mice 91; position in Gaertner group 63, 64; toxins of 75; virulence by feeding 72
Bacillus perfringens 111
Bacillus prodigiosus 59
Bacillus proteus and food poisoning 58, 119; and potato poisoning 143; as a cause of disease 124; as a putrefactive organism 112; characters of 112; distribution in nature 123; isolation of 233; outbreaks ascribed to 126; pathogenicity of 124; products of growth 125; symbiosis of 126
Bacillus psittacosis 86
Bacillus putrificus 110, 114, 118
Bacillus sporogenes 111, 118
Bacillus subtilis 114
Bacillus suispestifer and swine fever 81, 163; in guinea-pigs 92; in prepared meats 92; in the animal intestine 89; in the human intestine 88; in rats and mice 91; position in Gaertner group 63, 64; variation of characters 65
Bacillus typhi murium 63, 176, 178
Bacillus welchii 110, 111, 118
 Bacteria, action on amino-acids 103; action on proteins 102; in mussels 133; isolated in food poisoning outbreaks 55
 Bacterial carriers and food poisoning 170, 172; content of meat foods 239; mass infection and food poisoning 95; variability 64
 Bacteriological examinations in food poisoning outbreaks 231
 Bacteriology of putrefaction 109

- Baking powder, arsenic in 193
 Barbel poisoning 26
 Beer, arsenic in 188, 191
 Benzoic acid and food preservation 206, 207
 Beri-beri 2
 β -imidazoethylamine 104, 108
 Bird diseases and Gaertner bacilli 86
 Boric acid and food preservation 205–208
 Botryomycosis 11
 Botulism 8, 149
 Brawn, bacteria in 241; Gaertner group bacilli in 92; methods of preparation 220; preparation in slaughterhouses 219
 Braxy 12
 Bread as a disease conveying vehicle 14, 221
 Bream poisoning 26
 Buckwheat and food idiosyncrasy 35
 Cadaverine 6, 104, 105, 107
 Calves and Gaertner group infections 83
 Canine distemper and Gaertner infections 86
 Canned foods and investigation by Central Authority 226; and tin 196; extent of practice 195
 Canned meat and heat penetration 17
 Carp, poisonous 26
 Carriers and food poisoning 170, 172
 Case-mortality rate in food poisoning outbreaks 49
 Case to case infectivity in food poisoning outbreaks 48
 Cheese and food idiosyncrasy 36; poisoning 135; putrescine in 105
 Chemical changes in putrefaction 100
 Chemical poisons in food 188 *et seq.*
 Cholera spread by milk 18
 Choline 105
 Cider and lead poisoning 194
Claviceps purpurea 31
 Cockles and disease 14, 22
 Colouring matters in foods 210
 Cooking, importance of 15
 Copper and “greening” of vegetables 209; in oysters 194; poisoning 194
 Corn-cockle and food poisoning 33
 Cows and Gaertner group infections 84
 Cystine, bacterial action on 103
 Danysz bacillus 176
 Diarrhoea spread by milk 18
 Diphtheria spread by food 18, 19
 Diseases caused by Gaertner group bacilli 68
 Drying of food 203
 Dulcitate malachite green broth 241
 Dysentery spread by milk 19
 Eggs and food idiosyncrasy 35, 39
 Enamels and lead poisoning 193
 Enteritis in cows and Gaertner infections 64
 Ergotism 31
 Feeding and Gaertner infections 72
 Fish and food idiosyncrasy 36; food poisoning outbreaks from 54, 130; inherently poisonous 24
 Flies and food poisoning 180
 Fluorides and food preservation 206
 Food as a passive vehicle for infection 13, 14, 21; canned 195; idiosyncrasy 34; handlers, medical examination of 22; handlers, need for supervision of 22
 Food poisoning and bacterial mass infection 95; extent of 3, 9; historical account 4; from mussels 131; from shellfish 131
 Food poisoning outbreaks, age and sex distribution 48; and *B. proteus* 126; and animal diseases 160; bacteria isolated 55; case mortality rate 49; case to case infectivity 48; classified according to vehicle 3; collection of material 228; from rats and mice 176; incubation period 47; infectivity rate 49; inquiries required 226; methods of investigation of 225; nature of the food 53; need for investigation of 218; official cognizance of 222; pathological appearances 50; physical appearance of food 53; prevention of 215; seasonal prevalence 51; sources of infection 159, 169; spread by milk 18; symptoms of 47; tabular list 76
 Food preservation methods 202
 Food, sources of ill-health from 1
 Foot and mouth disease 11
 Formaldehyde as a food preservative 206
 Frankenhausen outbreak 7
 Freezing apparatus for transmitting food 230
 Fried fish and food poisoning 14
 Fruit spraying and arsenic poisoning 192

INDEX

245

- Fugu 25
Fungi, poisonous 28
- Gaertner group agglutinins in healthy animals 87
Gaertner group bacilli and abortion in animals 85; and bird diseases 86; and canine distemper 86; and diseases of calves 83; and enteritis in cows 84; and rodent disease 87; animal diseases caused by 67, 81; as disease producing organisms 66, 81; characters of 61; classification of 62, 63; distribution in nature 68, 88; heat resistance of 74; human diseases caused by 66; in animal pyaemic and septicaemic conditions 84; in meat and prepared meat 92; in milk 161; in rats and mice 91, 175; in swine fever 81; in the animal intestine 89; in the human intestine 88; limitation of disease from 221; methods of isolation 232; prevalence in outbreaks 55; salt action on 181; sources of in outbreaks 159, 170; toxins of 74; variable pathogenicity of 70, 176
- Glass retainers for food 196
Glucose, arsenic in 189
Greening of vegetables 209
Greenland shark, poisoning from 26
Green oysters 195
Guinea-pigs and Gaertner group bacilli 175
- Hackfleisch 93, 240
Heat penetration in canned foods 17
Heat resistance of Gaertner group bacilli 74
Helvella esculentia 30
Herrings, poisonous 26, 27
Histidine 104
Historical account of food poisoning 4
Hydrogen peroxide as a food preservative 206
- Ice-cream and infectious diseases 14; poisoning 140
Idiosyncrasy and food 34
Incubation period in food poisoning outbreaks 47
Indol and putrefaction changes 107, 108
Infants and foreign proteins 42; idiosyncrasy to milk 43
Infectious diseases of animals transmissible to man 10; spread by food 14, 19
- Infectivity rate in food poisoning outbreaks 49
Insecticide solutions and arsenic 192
- Laboratory investigation of food poisoning outbreaks 231
Lactose-salicin-saccharose neutral red bile salt agar 232, 241
Lampreys 4
Lathyrism 32
Lead in canned foods 196; poisoning 193; sources in food 194
Linseed and food idiosyncrasy 36
Liverpool rat virus 177
Lobsters and food poisoning 134
- Made-up foods and food poisoning 55, 220
Malta fever 10, 13, 18
Mastitis in cows and food poisoning 161
Meat as a nutritive medium for bacteria 14; bacteria in 239; inspection and the prevention of food poisoning 218
Meat pies, temperature reached in cooking 17; salting in slaughterhouses 219
Medical profession and food poisoning outbreaks 217
Methylamine 104
Mice and food poisoning outbreaks 176; and Gaertner group bacilli 91, 175; and Gaertner group diseases 87, 222
Milk and food poisoning 53, 161; and infectious diseases 14; as a vehicle of disease spread 18; *B. proteus* in 123; of cow and infant idiosyncrasy 43; poisonous from cows eating poisonous plants 28
Mineral waters and antimony 193
Muscarine 30, 105
Mushroom poisoning 5, 28
Mussel poisoning 106, 131, 132
Mussels and infectious disease 14
Mytilotoxine 106, 132
- Neurine 105
Nitrate as a food preservative 203
- Oatmeal, food poisoning outbreak from 129
Oysters and copper 194; and food poisoning 133; and infectious disease 14, 21
- Para-Gaertner bacilli 62; in animal intestine 89
Paratyphoid fever and food poisoning 170; spread by milk 18

- Pathogenicity of Gaertner group 70
 Pathology of food poisoning outbreaks 50
 Pellagra 2
 Perch, poisonous 26
 Phallin 30
 Pickling fluids, Gaertner group bacilli in 92
 Poisonous animals 24; fish 24; flowering plants 27; fungi 28; metals, examination for 237
 Poisons, chemical, in food 188 *et seq.*
 Polypeptides 101
 Pork and food idiosyncrasy 36
 Potato poisoning 141
 Preservatives in food 202 *et seq.*; examination for 237; harmfulness of 206; objections to 204; objects of addition 202; selective action of 205; unsatisfactory present position 212
 Prevention of food poisoning outbreaks 215
 Protein degradation products and food poisoning 115
 Proteins and food idiosyncrasy 35, 36; bacterial action on 102, 113; composition of 101; degradation products of 102
Proteus vulgaris (see *Bacillus proteus*)
 Ptomaine poisoning 6, 99, 115, 118, 217
 Ptomaines 6, 104, 115
 Putrefaction and food poisoning 99, 115; and ptomaines 104; bacteriology of 109; chemical changes in 100; chemical tests for 237; definition of 113
 Putrefactive aerobes 112, 113; anaerobes 109, 113; bacteria and amino-acids 102; bacteria and food poisoning 118, 120; bacteria and proteins 102; meat, *B. proteus* in 123
 Putrescine 104, 105, 107
 Putrid meat, toxicity of 119
 Pyaemic and septicaemic conditions and food poisoning 7, 12; and Gaertner infections 84
 Rats and Gaertner group infections 87, 176, 222; Gaertner group bacilli in 91
 Rattin 176
 Rodents and Gaertner group infections 87
 Salicylic acid as a preservative 206
 Salt as a food preservative 203, 206
 Salt solutions, viability of Gaertner bacilli in 181
 Salting of meat in slaughterhouses 219
 Sapo-toxin 33
 Sardines and food poisoning 134
 Sausage poisoning 5, 8, 149
 Sausages and food poisoning 125, 127, 128, 129
 Sausages, *B. coli* in 240; *B. proteus* in 123, 125, 241; bacteria in 240; Gaertner group bacilli in 92; preparation in slaughterhouses 219
 Scarlet fever spread by milk 18
 Scurvy 2
 Seasonal prevalence in food poisoning outbreaks 50
 Sepsin 6
 Septicaemia and Gaertner group bacilli 83; in animals 12
 Serum agar, preparation of 241
 Shellac, arsenic in 192
 Shellfish and food poisoning 131, 133; poisonous 24
 Skatol from putrefaction 107, 108
 Skin diseases and food idiosyncrasy 36, 40
 Slaughterhouses and food poisoning outbreaks 219
 Smoking of food 203
 Snails and food poisoning outbreak 134; poisonous 27
 Solanine and potato poisoning 142
 Solder and metallic poisoning 199
 Sore throat outbreaks spread by milk 18
 Spaghetti and infectious disease 17
 Spraying of food and arsenical poisoning 192
 Strawberries and arsenical poisoning 192
 Sturgeon fish, poisonous 26
 Sugar as a food preservative 203, 206
 Sulphites as food preservatives 206, 208
 Sulphuric acid, arsenic in 189
 Sulphurous acid as a food preservative 206
 Sweets, arsenic in 191
 Swine fever and Gaertner group bacilli 81
 Symptoms in food poisoning outbreaks 47
 Tea, lead in 193
 Temperatures reached in cooking food 15
 Tetrodontidae, poisonous 25
 Tin, factors influencing amount in canned foods 196; in canned foods 196; poisoning from 200; toxicity of 199

INDEX

247

- Tinned foods and food poisoning
 54; Gaertner group bacilli in
 92
- Tomatoes and food idiosyncrasy 36
- Toxins of Gaertner group bacilli
 74
- Tryptophane, putrefaction of 103,
 107
- Tuberculosis from animals 2, 11;
 spread by milk 18
- Typhoid carriers and food handling
 19; colon group, differentiation
 of 238
- Typhoid fever from food generally
 19; milk 18; oysters 21;
 spaghetti 18
- Tyramine 104, 107
- Tyrosine 104, 107
- Tyro-toxicon 6, 136, 137, 141
- Urticaria and food idiosyncrasy 36
- Variability of bacteria 64
- Variola 10, 12
- Vehicle of infection in food poison-
 ing outbreaks 53
- Vibrio septique* 110, 118
- Vinegar as a food preservative 203
- Vitamines 2
- Zinc in oysters 195