

EXPLANATION OF FIGURES.

ALL spores, sporules, sporidia, and conidia magnified 400 diameters, unless otherwise stated.

Fig.

1. *Agaricus* (*Amanita*) *vernus*, *Fr.*, with section and spores.
2. *Agaricus* (*Amanitopsis*) *illudens*, *C. & M.*, with section and spores.
3. *Agaricus* (*Lepiota*) *lavendulæ*, *C. & M.*, with section and spores.
4. *Agaricus* (*Schulzeria*) *revocans*, *C. & M.*, with section and spores.
5. *Agaricus* (*Tricholoma*) *coarctatus*, *C. & M.*, with section and spores.
6. *Agaricus* (*Clitocybe*) *myriophyllus*, *C.*, with section and spores.
7. *Agaricus* (*Collybia*) *olivaceo-albus*, *C. & M.*, with section.
8. *Agaricus* (*Mycena*) *subcorticalis*, *C.*, with section and spores.
9. *Agaricus* (*Omphalia*) *umbelliferus*, *L.*, with section.
10. *Agaricus* (*Pleurotus*) *australis*, *C. & M.*, with section.
11. *Agaricus* (*Volvaria*) *parvulus*, *Weinm.*, with section and spores.
12. *Agaricus* (*Annularia*) *insignis*, *C. & M.*, with section and spores.
13. *Agaricus* (*Pluteus*) *Wehlianus*, *C. & M.*, with section and spores.
14. *Agaricus* (*Entoloma*) *galbineus*, *C. & M.*, with section and spores.
15. *Agaricus* (*Clitopilus*) *cancrinus*, *Fries*, with section and spores.
16. *Agaricus* (*Leptonia*) *quinquecolor*, *C. & M.*, with section and spores.
17. *Agaricus* (*Nolanea*) *pascuus*, *Fries*, section with spores.
18. *Agaricus* (*Eccilia*) *rhodocylix*, *Fries*, with section.
19. *Agaricus* (*Claudopus*) *variabilis*, *Fries*, with spores.
20. *Agaricus* (*Tubaria*) *furfuraceus*, *Fries*, with section and spores.
21. *Agaricus* (*Pholiota*) *phylicigena*, *Berk.*, with section.
22. *Agaricus* (*Hebeloma*) *arenicolor*, *C. & M.*, with section and spores.
23. *Agaricus* (*Inocybe*) *gigasporus*, *C. & M.*, with section and spores.
24. *Agaricus* (*Flammula*) *hyperion*, *C. & M.*, with section and spores.

- Fig.
 25. Agaricus (*Naucoria*) *fraternus*, *C. & M.*, with section and spores.
 26. Agaricus (*Galera*) *tener*, *Fries*, with section and spores.
 27. Agaricus (*Crepidotus*) *phaeton*, *C. & M.*, with section and spores.
 28. Agaricus (*Psalliota*) *elatior*, *C. & M.*, with section and spores.
 29. Agaricus (*Stropharia*) *coronillus*, *Bull.*, with section and spores.
 30. Agaricus (*Hypholoma*) *adustus*, *C. & M.*, with section and spores.
 31. Agaricus (*Psilocybe*) *ceres*, *C. & M.*, with section and spores.
 32. Agaricus (*Psathyra*) *fatuus*, *Fries*, with section and spores.
 33. Agaricus (*Panæolus*) *veluticeps*, *C. & M.*, with section and spores.
 34. Agaricus (*Psathyrella*) *hiascens*, *Fries*, with section and spores.
 35. *Coprinus plicatilis*, *Fries*, with section and spores.
 36. *Bolbitius titubans*, *Fries*, with section and spores.
 37. *Cortinarius sanguineus*, *Fries*, with section.
 38. *Paxillus paradoxus* (*Schulz.*) *Berk.*, with section and spores.
 39. *Hygrophorus candidus*, *C. & M.*, with section and spores.
 40. *Lactarius piperatus*, *Fries*, with section and spores.
 41. *Russula australiensis*, *C. & M.*, with section and spores.
 42. *Marasmius lanaripes*, *C. & M.*, with spores.
 43. *Cantharellus politus*, *C.*, with section and spores.
 44. *Marasmius equicrinis*, *Muell.*, with mycelium.
 45. *Lentinus gracilentus*, *C.*, with section and spores.
 46. *Panus carbonarius*, *C. & M.*, with section and spores.
 47. *Schizophyllum commune*, *Fries*, with under surface, section of gills, and spores.
 48. *Xerotus tener*, *Berk.*, with under surface and section enlarged.
 49. *Lenzites nivea*, *Oke.*, with section.
 50. *Boletus lacunosus*, *C. & M.*, with section and spores.
 51. *Strobilomyces pallescens*, *C. & M.*, with section and spores.
 52. *Fistulina hepatica*, *Fries*, with section and fragment of pores enlarged.
 53. *Polyporus Hartmanni*, *Oke.*, with sections and spores.
 54. *Polyporus tephronotus*, *Berk.*, with section.
 55. *Polyporus spiculiferus*, *Oke.*, with section.
 56. *Fomes australis*, *Fries*. Small specimen, with section.
 57. *Polystictus cichoraceus*, *Berk.*, with under surface.
 58. *Poria mollusca*, *Fries*, with section.
 59. *Trametes heteromallus*, *Oke.*, with section.

- Fig.
60. *Dædalea glabrescens*, *Berk.*
61. *Hexagonia subtenuis*, *Berk.*, with under surface and section.
62. *Favolus squamiger*, *Berk.*, with under surface and section.
63. *Merulius Bayleyi*, *Berk.*, with under surface.
64. *Laschia pustulata*, *Berk.*, nat. size.
65. *Porothelium subtile*, *Fries*, with enlarged portion and section.
66. *Solenia candida*, *Pers.*, with cup enlarged and section.
67. *Campbellia infundibuliformis*, *C. & M.*, with section and spores.
68. *Tremellodon gelatinosum*, *Fries*, and section of spines.
69. *Hydnum crocidens*, *Oke.*, with section and spores.
70. *Irpex flavus* (*Jung.*), with under surface and section.
71. *Radulum molare*, *Fries*, with section.
72. *Phlebia reflexa*, *Berk.*, with under surface.
73. *Grandinia australis*, *Berk.*, with section enlarged.
74. *Odontia secernibilis*, *Berk.*, with section and tooth enlarged.
75. *Kneiffia setigera*, *Fries*, with teeth enlarged.
76. *Cladoderris australica*, *Berk.*, with under surface.
77. *Craterellus multiplex*, *Oke.*
78. *Thelephora congesta*, *Berk.*, with spores.
79. *Lachnocladium flagelliforme*, *Berk.*
80. *Stereum pusillum*, *Berk.*
81. *Hymenochate phæa*, *Berk.*, with setæ of hymenium magnified.
82. *Peniophora papyrina*, *Mont.*, with portion of hymenium magnified.
83. *Aleurodiscus albidus*, *C. & M.*, with section and spores.
84. *Corticium sulphurellum*, *Mass.*, with section and spores.
85. *Coniophora luteo-cincta*, *Berk.*, with spores.
86. *Clavaria formosa*, *Pers.*, portion of large cluster.
86 bis. *Cyphella villosa*, *Fries*, with cups and section enlarged.
87. *Clavaria aurantia*, *Oke.*
88. *Calocera digitata*, *C. & Mass.*
89. *Auricularia albicans*, *Berk.*, with section.
90. *Hirneola polytricha*, *Mont.*
91. *Exidia glandulosa*, *Fries*, with section and spores.
92. *Ulocolla foliacea*, *Fries*, with spores.
93. *Tremella mesenterica*, *Fries*, with basidia.
94. *Seismosarca hydrophora*, *Oke.*, portion of hymenium and spicules magnified.
95. *Dacryomyces deliquescens*, *Fries*, with spores.
96. *Guepinia pezizæformis*, *Berk.*, with spores.
97. *Dictyophallus merulinus*, *Berk.*, with section.
98. *Ithyphallus novæ-hollandiæ*, *Corda.*
99. *Mutinus papuasius*, *Kalch.*, with section.
100. *Clathrus cibarius*, *Tul.*

Fig.

101. *Colus hirudinosus*, *C. & S.*
102. *Lysurus australiensis*, *C. & M.*, with section.
103. *Anthurus Muellerianus*, *Kalch.*
104. *Aseröe rubra*, *Labill.*
105. *Cyathus fimicola*, *Berk.*, with peridium enlarged and spores magnified.
106. *Crucibulum vulgare*, *Tul.*, with spores.
107. *Sphæroبولus stellatus*, *Tode*, with ejected sporangium.
108. *Secotium erythrocephalum*, *Tul.*, with section and spores.
109. *Chainoderma Drummondii*, *Mass.*, with section and spores.
110. *Cycloderma platyspora*, *C. & M.*, with section.
111. *Mesophellia arenaria*, *Berk.*, with section.
112. *Podaxis indica*, *Spr.*, with section, threads, and spores.
113. *Tylostoma maximum*, *C. & M.*
114. *Battarea phalloides*, *Dicks*, with elater and spores.
115. *Calostoma fusca*, *Berk.*, with spores.
116. *Geaster Readeri*, *C. & M.*, with threads and spores.
117. *Diploderma glauca*, *C. & M.*, with section and spores.
118. *Bovista olivacea*, *C. & M.*, with spores.
119. *Lycoperdon violascens*, *C. & M.*, with section, threads, and spores.
120. *Scleroderma umbrina*, *Mass.*, with section and spores.
121. *Mycenastrum corium*, *Desv.*, with portion of thread and spores.
122. *Castoreum radicum*, *C. & M.*, with section, threads, and spores.
123. *Xyloporium ochroleucum*, *C. & M.*, with thread and spores.
124. Section of *Polysaccum confusum*, *C. & M.*
125. *Paurocotylis pila*, *Berk.*, with spores.
126. *Octaviania australiense*, *Berk.*, with spores.
127. *Rhizopogon luteolus*, *Tul.*, with spores.
128. *Hymenogaster Moselei*, *Berk.*, with spores.
129. *Hydnangium brisbanensis*, *Berk.*, with spores.
130. *Gautieria Drummondii*, *Berk.*, with spores.
131. *Agaricus (Metrararia) insignis*, *C. & M.*, with section and spores.
132. *Elaphomyces Leveillei*, *Tul.*, with section, ascus, and sporidia.
133. *Endogone australis*, *Berk.*, with section and spore-bodies?
134. *Protoglossum luteum*, *Mass.*, with section, basidia, and spores.
135. *Gymnoglossum stipitatum*, *Mass.*, with section and spores.
136. *Cora æruginosa*, *Nees*, with section.
137. *Arachnion album*, *Schwz.*, with section, peridiolum, and spores.
138. *Cyttaria Gunnii*, *Berk.*, with section, ascus, and sporidia.
139. *Morchella conica*, *Pers.*, with section, ascus, and sporidia.
140. *Helvella monachella*, *Scop.*, with sporidia.

- Fig.
 141. *Mitrula vinosa*, *Berk.*, with sporidia.
 142. *Leotia lubrica*, *Pers.*, with section, ascus, and sporidia.
 143. *Geoglossum australe*, *Berk.*, with spore.
 144. *Geopyxis aluticolor*, *Berk.*, with section and sporidia.
 145. *Peziza Drummondii*, *Berk.*, with section and sporidia.
 146. *Geoscypha saccardiana*, *Cke.*, with section and sporidia.
 147. *Otidea hirneoloides*, *Berk.* Cup, section, and sporidia.
 148. *Discina lumbricalis*, *Cooke.* Cup, section, and sporidia.
 149. *Pyronema omphalodes*, *Bull.* Cups, natural size, cup and section enlarged, ascus and sporidia.
 150. *Humaria carbonigena*, *Berk.* Cups, natural size and enlarged, with sporidia.
 151. *Phillipsia subpurpurea*, *B. & Br.* Cup with section and sporidia.
 152. *Sarcoscypha rhenana*, *Fckl.* Cup with section, external hair, tip of paraphysis and sporidium.
 153. *Trichoscypha Hindsii*, *Berk.* Cup and section, with compound tooth and sporidia.
 154. *Sepultaria vinoso-brunnea*, *Berk.* Cups with section and sporidia.
 155. *Scutellinia margaritacea*, *Berk.* Cup with section, external hair, and sporidia.
 156. *Ciboria firma*, *Pers.* Cup with section and sporidia.
 157. *Helotium citrinum*, *Hedw.* Cups, in situ, with cup and section, and sporidia.
 158. *Chlorosplenium æruginosum*, *Tul.* Cup with section.
 159. *Phialea Berggrenii*, *Cooke.* Cups with section and sporidia.
 160. *Mollisia cinerea*, *Batsch.* Cups, natural size, with cup and section enlarged, and sporidia.
 161. *Orbilia chrysocoma*, *Bull.* Cups and section.
 162. *Tapesia epitaphra*, *Berk.* Cup and tapesium with sporidia.
 163. *Dasyscypha glabrescens*, *C. & P.* Cup and section with sporidia.
 164. *Ascobolus Phillipsii*, *Berk.*, with cups, natural size, cup and section enlarged, ascus sporidia and paraphyses.
 165. *Urnula campylospora*, *Berk.* Cup with section and sporidia.
 166. *Ombrophila radicata*, *Phil.* Cup and section.
 167. *Ombrophila australis*, *Phil.* Cup and section with sporidia.
 168. *Stictis emarginata*, *C. & M.* Cups with section and sporidia.
 169. *Coccomyces delta*, *Kunze.* Cup enlarged with sporidia.
 170. *Patinella Adamsoni*, *Berk.* Cups natural size, with section enlarged, and sporidia.
 171. *Karschia lignyota*, *Fries.* Cup and section enlarged, with ascus sporidia and paraphyses.

Fig.

172. *Exoascus deformans*, *Berk.* Section of leaf with ascus and sporidia.
173. *Humaria Thozetii*, *Berk.* Cups, with ascus and sporidia.
174. *Pseudopeziza medicaginis*, *Desm.* On leaf with cup enlarged, section, ascus and sporidia.
175. *Coryne sarcoides*, *Jacq.* Cup and section with sporidia.
176. *Peziza australica*, *Cooke.* Cup natural size.
177. *Ailographum eucalypti*, *Cooke.* Portion of leaf with fungus in situ, perithecia enlarged, with ascus and sporidia.
178. *Glonium tardum*, *Berk.* Leaf with fungus, perithecia enlarged, and ascus with sporidia.
179. *Lembosia* sp. Habit of fungus, with ascus and sporidia.
180. *Hysterium pulicare*, *Pers.* Fungus, natural size, perithecia enlarged, with section, ascus and sporidia.
181. *Triblidiella rufula*, *Spr.* Fungus, nat. size, with perithecia enlarged, ascus, and sporidia.
182. *Triblidiopsis cæspitosum* (*Platycheilus cæspitosus*), *Cooke.* Clumps of fungus, nat. size, and enlarged, with sections, ascus, and sporidia.
183. *Hysterographium hiascens*, *Rehm.* Fungi, nat. size, perithecia enlarged, with ascus and sporidia.
184. *Cordyceps Gunnii*, *Berk.* Fungus, nat. size, portion of section enlarged, and sporidium.
185. *Epichlœe cinerea*, *Berk.* Complete fungus, n.s., with section enlarged, and sporidium.
186. *Hypocrea citrina*, *Pers.* Fungus, n.s., with portion and section enlarged, ascus and sporidia.
187. *Hypocrella discoidea*, *B. & Br.* Two discs, n.s., section enlarged, with sporidia.
188. *Hypomyces chrysospermus*, *Tul.* Portion of *Boletus*, with parasite, perithecia and section enlarged, conidia, ascus, and sporidia.
189. *Sphærostilbe microspora*, *C. & M.* Conidiophores and perithecium enlarged, with section, ascus and sporidia.
190. *Polystigma australiense*, *Sacc.* Leaf with fungus, section of perithecium enlarged, ascus and sporidia.
191. *Nectria coccinea*, *Fries.* Cluster of perithecia, n.s., section of perithecium enlarged, ascus and sporidia.
192. *Nectria Tasmanica*, *Berk.* Cluster of perithecia enlarged, with section, ascus and sporidia.
193. *Dialonectria quisquilaris*, *Cooke.* Perithecia on wood, n.s., perithecia enlarged, with section, ascus and sporidia.
194. *Gibberella passifloræ*, *C. & M.* Perithecia on twig, n.s., and perithecium enlarged, ascus and sporidia.
195. *Melanospora caprina*, *Fries.* Perithecia on wood, n.s., perithecium enlarged, with sporidia.
196. *Sarcoxylon compunctum*, *Jungh.* Section of stroma, n.s., ascus and sporidia.

- Fig.
 197. *Xylaria allantoidea*, *Berk.* Stroma, n.s., with section, ascus and sporidia.
 198. *Poronia œdipus*, *Mont.* Stroma, n.s., section of capitulum enlarged; sporidia magnified.
 199. *Rhopalopsis angolense*, *W. & C.* Two fungi, n.s., with sporidia.
 200. *Ustulina vulgaris*, *Tul.* Portion of stroma, n.s., with section and sporidia.
 201. *Nummularia exutans*, *Cooke.* Three stromata on bark, n.s., with section, ascus and sporidia.
 202. *Daldinia concentrica*, *Bolt.* Stroma with section, n.s., and sporidia.
 203. *Hypoxylon coccineum*, *Bull.* Stromata on bark, n.s., with section and sporidia.
 204. *Phyllachora alpinæ*, *Cooke.* Portion of leaf with fungus, n.s., section of stroma, ascus and sporidia.
 205. *Dothidella inæqualis*, *Cooke.* Portion of leaf with fungus, n.s., section enlarged, and sporidia.
 206. *Coccodea globulosa*, *C. & M.* Portion of leaf with fungus, n.s., section of stroma enlarged, and sporidia.
 207. *Bagnisiella rugulosa*, *Cooke.* Portion of leaf with fungus, n.s., section enlarged, and sporidia.
 208. *Montagnella rugulosa*, *Cooke.* Portion of leaf with fungus, n.s., section of stroma enlarged, ascus and sporidia.
 209. *Trabutia encalypti*, *C. & M.* Portion of leaf with fungus, n.s., and sporidia.
 210. *Parodiella grammodes*, *Kunze.* Portion of leaf with fungus, n.s., with section, ascus and sporidia.
 211. *Rhytisma hypoxanthum*, *B. & Br.* Portion of leaf with fungus, n.s., section and sporules.
 212. *Melogramma rubricosa*, *Fries.* Piece of bark with fungus, n.s., section of stroma enlarged, and sporidia.
 213. *Diatrype glomeraria*, *Berk.* Fungus on twig, n.s., pustule and section enlarged, with sporidia.
 214. *Valsa echidna*, *Cooke.* Pustule with section enlarged, ascus and sporidia.
 215. *Cryptovalsa elevata*, *Berk.* Fungus on bark, n.s., with ascus and sporidia.
 216. *Eutypa lata*, *Tul.* Piece of wood with the fungus, n.s., section enlarged, ascus and sporidia.
 217. *Gibberidea Archeri*, *Berk.* Cluster of perithecia on wood, with section enlarged, and sporidia.
 218. *Cucurbitaria* (*Melanomma*) *plagia*, *C. & M.* Fungus on bark, with portion of pustule enlarged, and sporidia.
 219. *Byssosphæria aquila*, *Fries.* Six perithecia on subiculum, n.s., perithecium enlarged, with sporidia.
 220. *Lasiosphæria larvæspora*, *C. & M.* Perithecia scattered on wood, n.s., also enlarged, with sporidium.

- Fig.
221. *Coniochæta pulvinula*, *Berk.* Perithecia scattered on wood, n.s., one enlarged, with ascus and sporidia.
222. *Venturia circinans*, *Fries.* Portion of leaf with fungus, perithecium enlarged, ascus and sporidia.
223. *Chætomium cymatotrichum*, *Cooke.* Perithecia scattered on fragment of leaf, n.s., perithecium enlarged, one of the hairs magnified, with sporidia.
224. *Rosellinia tremellæcola*, *C. & M.* Perithecia on *Tremella*, n.s., and enlarged with sporidia.
225. *Conisphæria australica*, *C. & M.* Perithecia on wood, with section enlarged and sporidia.
226. *Anthostomella lepidospermæ*, *Cooke.* Clusters on leaf, n.s., with ascus and sporidia.
227. *Zignoïna subcorticalis*, *Cooke.* Perithecia scattered, n.s., section enlarged, part of ascus and sporidia.
228. *Massaria australis*, *Cooke.* Perithecia scattered on twig, n.s., section enlarged, with ascus and sporidia.
229. *Plæospora herbarum*, *Rabh.* Perithecia on herb stem, n.s., section enlarged, with sporidium.
230. *Physalospora phyllodiæ*, *C. & M.* Portion of leaf with perithecia, n.s., section enlarged, ascus and sporidia.
231. *Didymella bryoniæ*, *Fckl.* Perithecia on stem, n.s., section enlarged, with sporidia.
232. *Didymosphæria banksiæ*, *Cooke.* Portion of leaf with clusters, cluster of perithecia enlarged, ascus and sporidia.
233. *Læstadia destructiva*, *B. & Br.* Leaf with fungus, n.s., ascus and sporidia.
234. *Sphærella cryptica*, *Cooke.* Portion of leaf with clusters of perithecia, n.s., section of perithecium, ascus and sporidia.
235. *Lepfosphærella camelliæ*, *C. & M.* Portion of leaf with perithecia, n.s., with ascus and sporidia.
236. *Micropeltis applanata*, *Mont.* Portion of leaf with scattered perithecia, n.s., and free sporidia.
237. *Microthyrium amygdalinum*, *C. & M.* Portion of leaf with perithecia, n.s., perithecium enlarged, with sporidia.
238. *Erysiphe vitigera*, *C. & M.* Perithecium with appendages enlarged, ascus and sporidia.
239. *Sphærotheca pannosa*, *Lev.* Perithecium with appendages enlarged, ascus and sporidia.
240. *Eurotium herbariorum*, *Link.* Perithecium enlarged, with sporidia.
241. *Asterina correicola*, *C. & M.* Portion of leaf with fungus, n.s., cluster enlarged, perithecium further enlarged and sporidia.
242. *Corynelia uberata*, *Fries.* Leaf with two clusters, n.s., perithecia enlarged, with sporidia.

- Fig.
 243. *Dimerosporium parvulum*, *Cooke*. Portion of leaf with clusters, n.s., perithecium enlarged, ascus and sporidia.
 244. *Meliola densa*, *Cooke*. Portion of leaf with patches of fungus, n.s., perithecium enlarged, appendage further enlarged, ascus and sporidia.
 245. *Capnodium citri*, *B. & D.* Perithecium enlarged.
 246. *Antennaria scoriadea*, *Berk.* Portion of thread, with perithecium enlarged.
 247. *Mucor mucedo*, *Linn.* Tuft of mucor enlarged, head with columella and spores magnified, and zygospore.
 248. *Phycomyces nitens*, *Kunze*. Columella enlarged, spores, and zygospore.
 249. *Circinella umbellata*, *T. & M.* Capitulum enlarged, with globular head further magnified.
 250. *Spinellus gigasporus*, *C. & M.* Columella and zygospore, with spores.
 251. *Cystopus candidus*, *Lev.* Portion of leaf, with pustules, n.s., chain of conidia, and sporangium or resting spore.
 252. *Peronospora hyoscyami*, *DeBary*. Upper portion of fertile thread magnified, with conidia.
 253. *Protomyces macrosporus*, *Unger*. Portion of stem, with pustules and spore.
 254. *Synchytrium taraxaci*, *DeBary*. Section of cluster in leaf magnified, cells with contents changed to zoogonidia, with three free, ciliated zoogonidia.
 255. *Ustilago confusa*, *Mass.* Sorus, with free spores.
 256. *Sphacelotheca hydropiperis*, *Schum.* Sorus, with pseudocolumella and free spores.
 257. *Tilletia caries*, *Tul.* Free spores.
 258. *Thecaphora leptocarpi*, *Berk.* Section of sorus with cluster of spores, and two free spores.
 259. *Urocystis solida*, *Berk.* Pustules nat. size, clusters of spores, and free spores.
 260. *Graphiola phoenicis*, *Poit.* Portion of palm leaf, with scattered sori, section enlarged, and free conidia.
 261. *Cerebella paspali*, *C. & M.* Fungus enlarged, with thread and spores magnified.
 262. *Entyloma eugeniaram*, *C. & M.* Portion of leaf with sori and spores magnified.
 263. *Hamaspora longissima*, *Korn.* Two uredospores and two teleutospores.
 264. *Uromyces fuisporus*, *C. & M.* Leaf with sori, n.s., uredospore and teleutospore.
 265. *Melampsora phyllodiorum*, *B. & Br.* Portion of phyllode with pustules, and spores magnified.
 266. *Cronartium asclepiadeum*, *Fries.* Part of columella of teleutospore sori, with two uredospores.
 267. *Puccinia wurmbæ*, *C. & M.* Portion of leaf with sori, n.s., sorus enlarged, uredospores and teleutospores.

- Fig.
 268. *Phragmidium rosæ*, *Pers.* Three uredospores and three teleutospores.
 269. *Æcidium Goodeniacearum*, *Berk.* Leaf with cluster of cups, section of cup enlarged.
 270. *Ræstelia polita*, *Berk.* Elongated cups, n.s., with one enlarged, and spores.
 271. *Uredo rhagodiæ*, *C. & M.* Leaf with sori, n.s., and uredospores.
 272. *Phyllosticta hardenbergiæ*, *C. & M.* Leaf with spots and perithecia, n.s., spot enlarged, section of perithecium and sporules.
 273. *Phoma plagia*, *C. & M.* Spot with perithecia, n.s., section of perithecium enlarged, and sporules.
 274. *Asteromella acaciæ*, *Cooke.* Leaf with spots, n.s., perithecia enlarged, with minute sporules.
 275. *Sphæropsis tritici*, *C. & M.* Grass stem with the perithecia, n.s., section of perithecium enlarged, and sporules.
 276. *Capnodiastrum orbiculatum*, *C. & M.* Portion of leaf with spots, n.s., spot with perithecia enlarged, and sporules.
 277. *Diplodia lichenopsis*, *C. & M.* Portion of leaf with spots, n.s., section of perithecium enlarged, and sporules.
 278. *Ascochyta brunnea*, *C. & M.* Portion of leaf with spots, n.s., and sporules.
 279. *Robillarda sessilis*, *Sacc.* Two sporules magnified.
 280. *Actinonema rosæ*, *Libb.* Leaf with spots, n.s., and sporules.
 281. *Diplodina dendrobii*, *C. & M.* Portion of leaf with perithecia, n.s., and free sporules.
 282. *Hendersonia eucalypti*, *C. & Hark.* Portion of leaf with spot, n.s., section of perithecium enlarged, and sporules.
 283. *Septoria Martinii*, *Cooke.* Portion of leaf with spots, n.s., section of perithecium enlarged, and sporules.
 284. *Phlyctæna passifloræ*, *C. & M.* Portion of stem with perithecia, n.s., and free sporules.
 285. *Aschersonia tahitensis*, *Mont.* Leaf with two stromata, n.s., section enlarged, and free sporules.
 286. *Polystigmina eucalypti*, *C. & M.* Portion of leaf with stromata, n.s., section enlarged, with sporules.
 287. *Leptothyrium eucalyptorum*, *C. & M.* Portion of leaf with spots, n.s., and spot enlarged, with sporules.
 288. *Melasmia eucalypti*, *C. & M.* Portion of leaf with spots, n.s., spot enlarged, and sporules.
 289. *Sacidium camelliæ*, *C. & M.* Portion of leaf with pseudo-perithecia, n.s., section enlarged, and sporules.
 290. *Dinemasporium hispidulum*, *Schr.* Piece of wood with scattered perithecia, n.s., section enlarged, and sporules.

- Fig.
291. *Protostegia eucalypti*, *C. & M.* Portion of leaf with perithecia, n.s., section enlarged, and sporules.
 292. *Gloeosporium hedycari*, *C. & M.* Portion of leaf with spots, n.s., section of pustule, and sporules.
 293. *Pestalozziella circulare*, *C. & M.* Portion of leaf with perithecia, n.s., and free sporules.
 294. *Hyaloceras dilophospora*, *Cooke.* Leaf with pustules, n.s., and three free sporules.
 295. *Pestalozzia casuarinæ*, *C. & M.* Twig with pustules, n.s., and two free sporules.
 296. *Oospora aphides*, *Cke. & Mass.* Chain of conidia, and free conidium.
 297. *Oidium lycopersicum*, *C. & M.* Chain of conidia, and free conidia.
 298. *Trichoderma viride*, *Pers.* Thread with conidia, and free conidia.
 299. *Aspergillus Cookei*, *Sacc.* Mould nat. size, capitulum enlarged, with free conidia.
 300. *Penicillium glaucum*, *Link.* Fertile thread with conidia enlarged, and free conidia.
 301. *Rhinotrichum pulchrum*, *Berk.* Fertile threads with free conidia.
 302. *Botrytis (Polyactis) vulgaris*, *Link.* Fertile threads with heads of spores. enlarged, and free conidia.
 303. *Sepedonium chrysospermum*, *Link.* Thread with conidia.
 304. *Verticillium niveum*, *Berk.* Fertile thread with conidia.
 305. *Nematogonum aurantiacum*, *Desm.* Fertile thread with conidia.
 306. *Trichothecium roseum*, *Link.* Fertile threads with conidia.
 307. *Coniosporium inquinans*, *Mont.* Stem with pustules, n.s., and free conidia.
 308. *Torula mycetophila*, *C. & M.* Conidia in chains or free.
 309. *Hormiscium stilbosporum*, *Corda.* Chains of conidia.
 310. *Heterobotrys paradoxa*, *Sacc.* Chains of conidia, with basal threads.
 311. *Periconia nigrella*, *Berk.* Fungus, nat. size, and capitulum with conidia.
 312. *Bispora monilioides*, *Corda.* Chains of conidia.
 313. *Fusicladium dendriticum*, *Wallr.* Threads with conidia.
 314. *Scolecotrichum atriellum*, *C. & M.* Threads with conidia.
 315. *Cladosporium herbarum*, *Link.* Fertile threads with conidia.
 316. *Helminthosporium inconspicuum*, *C. & E.* Spots on leaves, n.s., portion of thread, and conidium.
 317. *Brachysporium oligocarpum*, *Corda.* Tips of threads with conidia.
 318. *Cercospora eucalypti*, *C. & M.* Portion of leaf with spots, n.s., spot enlarged, threads and conidium.

- Fig.
 319. *Sporidesmium atrofusum*, *Cooke*. Tuft of compound conidia.
 320. *Stemphylium pulchrum*, *Berk*. Portion of thread, with compound conidia.
 321. *Macrosporium tomato*, *Cooke*. Spot on tomato, n.s., thread and conidia magnified.
 322. *Fumago vagans*, *Pers*. Portion of leaf with fungus, n.s., and conidia.
 323. *Stilbum formicarium*, *C. & M*. Stromata enlarged, with free ends of threads and conidia.
 324. *Pilacre divisa*, *Berk*. Stromata, n.s., and enlarged.
 325. *Isaria graminiperda*, *B. & M*. Stromata, nat. size, and enlarged, with conidia.
 326. *Ceratiium arbuscula*, *B. & Br*. Fungus, nat. size, tips enlarged, and conidia.
 327. *Harpographium quaternarium*, *C. & M*. Tufts, nat. size, and enlarged, threads with spicules, and conidia.
 328. *Podosporium grande*, *Cooke*. Tuft, nat. size, portion magnified, with conidia.
 329. *Isariopsis clavispora*, *B. & C*. Tuft of threads with conidia.
 330. *Tubercularia leguminum*, *Cooke*. Part of legume with fungus, n.s., section of pustule and conidia.
 331. *Illosporium flaveolum*, *Sacc*. Fungus on wood, nat. size, stroma enlarged, and threads magnified.
 332. *Algerita candida*, *Pers*. Stroma section enlarged, threads and conidia magnified.
 333. *Fusicolla incarnata*, *C. & M*. Portion of leaf with spots, n.s., and conidia.
 334. *Bactridium flavum*, *Kunze*. Conidium magnified.
 335. *Fusarium longisporum*, *C. & M*. Threads with conidia.
 336. *Microcera rectispora*, *C. & M*. Four conidia magnified, one further magnified.
 337. *Epicoccum scabrum*, *Corda*. Section of stroma, enlarged, with conidia, and conidium $\times 400$.
 338. *Strumella hysteroidea*, *C. & M*. Branch with pustules, n.s., pustule enlarged, and conidia.
 339. *Myrothecium inundatum*, *Tode*. Pustules enlarged, with section, and conidia.
 340. *Saccharomyces cerevisiæ*, *Meyen*. Chains of conidia, and spore.
 341. *Bacterium termo*, *Duj*. Microbes after Cohn $\times 650$, three after Dallinger $\times 1,000$.
 342. *Bacillus anthracis*, *Cohn*. Sporules from blood $\times 600$.
 343. *Saccharomyces apiculatus*, *Keess*. Sporules or conidia, one budding.
 344. *Tubulina spumarioidea*, *C. & M*. Fungus mass, nat. size, spores free.
 345. *Enteridium olivaceum*, *Rost*. Clusters of spores and free spores.

- Fig.
 346. *Clathroptychium rugulosum*, *Wallr.* Fungus on wood, n.s., dome and supports of sporangium, and spores.
 347. *Stemonitis ferruginea*, *Ehr.* One sporangium enlarged, portion of capillitium, and spores.
 348. *Lamproderma echinulata*, *Berk.* Sporangium enlarged, section, and spore, with portion of capillitium.
 349. *Perichæna appianata*, *C. & M.* Sporangia with threads of capillitium and spores.
 350. *Lycogala epidendrum*, *Buab.* Sporangia, nat. size, capillitium and spores.
 351. *Prototrichia metallica*, *Mass.* Sporangia enlarged, with threads of capillitium and spores.
 352. *Arcyria ferruginea*, *Saut.* Sporangium enlarged, with portion of capillitium and spores.
 353. *Trichia verrucosa*, *Berk.* Sporangium enlarged, with end of thread, and spores, one spore \times 1200.
 354. *Chondrioderma difforme*, *Pers.* Sporangium enlarged, with section, capillitium, and spores.
 355. *Didymium australis*, *Berk.* Two sporangia enlarged, capillitium and spores.
 356. *Spumaria alba*, *Bull.* *Æthalium*, n.s., with portion of capillitium and spores.
 357. *Diachæa leucopoda*, *Bull.* Two sporangia enlarged, with portion of capillitium and spores.
 358. *Craterium confusum*, *Mass.* Two sporangia enlarged, and section, with portion of capillitium and spores.
 359. *Physarum Readeri*, *Mass.* Two sporangia enlarged, empty peridium, and portion of capillitium and spores.
 360. *Badhamia varia*, *Mass.* Two sporangia enlarged, with portion of capillitium, cluster of spores, and free spores.
 361. *Tilmadoche nutans*, *Pers.* Sporangium enlarged, portion of capillitium and spores.
 362. *Leocarpus fragilis*, *Dicks.* Two sporangia enlarged, with portion of capillitium and spores.
 363. *Dothiorella amygdali*, *C. & M.* Fragment of bark with pustules, n.s., pustules enlarged, section of perithecia and sporules.
 364. *Cytispora xanthosperma*, *Fries.* Pustules scattered on bark, n.s., section enlarged, and sporules.
 365. *Aposphæria leptospermi*, *Cooke.* Perithecia scattered over wood, n.s., section enlarged, and sporules.
 366. *Coniothyrium septorioides*, *C. & M.* Portion of leaf with spots and perithecia, n.s., sporules free.
 367. *Chætomella brachyspora*, *S. & Sp.* Perithecia scattered on wood, n.s., perithecium enlarged, with sporules.
 368. *Stagonospora orbicularis*, *Cooke.* Portion of leaf with spots, and perithecia, sporules free.

Fig.

369. *Camarosporium eucalypti*, *Wint.* Portion of leaf with spot, and perithecia, n.s., free sporules.
370. *Sphaeronemella rufa*, *Sacc.* Perithecia on wood, n.s., section enlarged.
371. *Piggotia substellata*, *Cooke.* Portion of leaf with spots, spot and perithecia slightly enlarged, section further enlarged and sporules.
372. *Melophia leptospermi*, *Cooke.* Leaf with perithecia, n.s., and sporules magnified.
373. *Leptostromella eucalypti*, *C. & M.* Portion of leaf with spots, n.s., spots enlarged. perithecia further enlarged and sporules.
374. *Marsonia deformans*, *C. & M.* Part of leaf with pustules, n.s., pustule enlarged, and sporules.
375. *Coryneum viminalis*, *C. & M.* Portion of leaf with pustules, n.s., section enlarged, and sporules.
376. *Stilbospora foliorum*, *Cooke.* Section of pustule enlarged, with sporules.
377. *Fuligo varians*, *Somm.* Portion of capillitium and spores.