

ultimis erecto-patentibus strictis 1-3 poll. longis. Bracteæ ad basin ramorum 1-1½ lin. longæ. Umbellæ terminales 2-7-floræ, pedicellis 1-1½ lin. longis. Perianthium 3 lin. longum. Stamina et cocci *T simplicis*. *Australia temperata occidentalis et orientalis*.

5. *T. MURICATA*, Baker. Caules pedales copiose dichotome furcati, graciles, primarii ½ lin. crassi, pilis albidis brevibus patentibus ubique vestiti, ramis ultimis strictis ascendentibus 1-2 poll. longis, basi bracteis minutis membranaceis præditis. Umbellæ 3-4-floræ, pedicellis 1-2 lin. longis apice articulatis. Perianthium 4 lin. longum. *Australia boreali-orientalis ad Wide Bay, Bidwell!*

6. *T. ANCEPS*, R. Br. *Prod.* 278; *Schult. fil. Syst.* vii. 612; *Kunth, Enum.* iv. 612.—Anthericum anceps, *Solander in Herb. Banks*. Caulis 1½-2-pedalis erectus vel diffusus copiose dichotome furcatus, ramis rigidis complanatis ½ lin. latis, ultimis 4-6 poll. longis, basi foliis reductis scariosis 6-9 lin. longis bracteatis. Umbellæ 2-4-floræ, bracteis perminutis deltoideo-cuspidatis membranaceis, pedicellis 1 lin. longis. Perianthium 3 lin. longum. Coccum non vidi. *Australis orientalis ad Cape Grafton, Sir J. Banks!*

7. *T. PTEROCAULON*, Baker. Rhizoma gracile late reptans. Caulis 1-2-pedalis erectus copiose dichotome ramosus, basi solum subteres, ramis et ramulis 3-9 poll. longis utrinque ala rigide coriacea integra ½-2 lin. lata præditis, basi foliis reductis minutis bracteatis. Umbellæ terminales 6-12-floræ, bracteis perminutis, pedicellis 3-4 lin. longis apice articulatis. Perianthium 4-4½ lin. longum, segmentis dorso laxè 7-9-nervatis. Stamina 3 lin. longa, filamentis dimidio superiore stuposis. Cocci 2 lin. longi verticaliter costati. *Australia tropicalis orientalis a Cape York ad Queensland*.

The Fungi of Brazil, including those collected by J. W. H. TRAIL, Esq., M.A., in 1874. By the Rev. M. J. BERKELEY, M.A., F.L.S., and M. C. COOKE, Esq., M.A., LL.D.

[Read January 21, 1876.]

IN the present communication it has been our primary object to enumerate and describe the fungi collected by J. W. H. Trail in 1874 in the forests of Brazil; but in order to render more complete our list of the Fungi of Brazil, we have included also the species previously described, such as the collections of Mr. Spruce, the species recorded by Messrs. Montagne, Leveillé, Fries, and others; so as to present a somewhat complete account of Brazilian Fungi as far as they have been determined.

From comparison of the total number of 437 with the 886 enumerated for Cuba, and 1190 for Ceylon, it will be concluded at once that our knowledge of the Fungi of this vast tract of very favourable country is very limited, and that but a small proportion of the whole mycologic flora is yet known. It may reasonably be assumed that the total number is not in reality less than in the smaller district comprised in the island of Ceylon.

Of the whole number of species here enumerated, three fourths and upwards belong to the *Hymenomycetes*, the numbers being

Hymenomycetes	356
Gasteromycetes	13
Hyphomycetes	7
Coniomycetes	5
Ascomycetes	55
Incomplete	1
	437

Of this total number about 300 are at present confined to Brazil, and 137 are found also in other parts of the world. The number common to Brazil and the island of Cuba is 102, whilst 40 species are also found in the United States, 33 in Europe, 34 in India (including Ceylon), 18 in the Australasian colonies, and 4 are cosmopolitan.

The *Hymenomycetes* of Cuba, with its 886 species, are 488, whilst those of Brazil with its 437 species are 356. Of these the largest number, as usual in tropical countries, belong to the genera *Agaricus*, *Marasmius*, and *Polyporus*. The following comparison is made for these three genera in Cuba, Ceylon, and Brazil, the fractions being those of the total number of species:—

	Ceylon.	Cuba.	Brazil.
<i>Agaricus</i>	$\frac{1}{10}$	$\frac{1}{3}$	$\frac{1}{8}$
<i>Marasmius</i>	$\frac{1}{17}$	$\frac{1}{27}$	$\frac{1}{10}$
<i>Polyporus</i>	$\frac{1}{7}$	$\frac{1}{16}$	$\frac{1}{4}$

From this comparison it will be seen that the proportion is greater for Brazil in all three genera over Ceylon, and in two out of three over Cuba. The genus *Polyporus* has 143 representatives, or more than one fourth of the total number, in Brazil, whilst it has only $\frac{1}{7}$ in Cuba and $\frac{1}{16}$ in Ceylon.

The great absence of microscopical forms in this enumeration is probably to be attributed rather to a deficiency on the part of the collectors than to their absence from the district. It is

clear that we may yet anticipate considerable additions to the mycologic flora of the Brazils.

1. AGARICUS (LEPIOTA) MOLYBDITES, *Fr. Epic. i.* 13; *Nova Symb.* 6. Brazil (*Fries*).
2. A. (LEPIOTA) CEPÆSTIPES, *Sow., Berk. Hook. Lond. Journ. ii.* (1843) 629.
Sandy ground. Oeiras (*Gardner*).
3. A. (LEPIOTA) BULBIPES, *Mont. Ann. des Sci. Nat. sér. 4, v.* 352.
On the ground. Goyaz (*Wedd.*).
4. A. (LEPIOTA) WEDDELLII, *Mont. Ann. des Sci. Nat. sér. 4, v.* 352.
On the ground. Goyaz (*Wedd.*).
5. A. (LEPIOTA) COPRINOPSIS, *Mont. Ann. des Sci. Nat. sér. 4, v.* 352.
On the ground. Goyaz (*Wedd.*).
6. A. (LEPIOTA) PARDALOTUS, *Mont. Ann. des Sci. Nat. sér. 4, v.* 353.
On trunks. Matto Grosso (*Wedd.*).
7. A. (LEPIOTA) TRICHROUS, *Mont. Ann. des Sci. Nat. sér. 4, v.* 353.
On the ground. Matto Grosso (*Wedd.*).
8. A. (TRICHOLOMA) MACROPILUS, *Mont. Ann. des Sci. Nat. sér. 4, v.* 353.
On rotten wood. Matto Grosso (*Wedd.*).
9. A. (TRICHOLOMA) TEGULICIUS, *Mont. Ann. des Sci. Nat. sér. 4, v.* 354.
On trunks. Brazil (*Wedd.*).
10. A. (TRICHOLOMA) PRÆGRANDIS, *Berk. Hook. Lond. Journ. ii.* (1843) 629.
Grassy places. Minas Geraes (*Gardner*).
11. A. (CLITOCYBE) VESPERTILIO, *Berk. in Hook. Journ.* (1856) 129.
On the ground. Panuré (*Spruce*, no. 123).
12. A. (CLITOCYBE) RUDIS, *Berk. in Hook. Journ.* (1856) 31.
On the ground. (*Spruce*, no. 127).
13. A. (CLITOCYBE) ARMENIACUS, *Mont. Ann. des Sci. Nat. sér. 4, v.* 354.
In shady places. Brazil (*Wedd.*).
14. A. (CLITOCYBE) GLYPHOLOMA, *Mont. Ann. des Sci. Nat. sér. 4, v.* 354.
On rotting wood. Goyaz (*Wedd.*).
15. A. (CLITOCYBE) ŒNOCEPHALUS, *Mont. Ann. des Sci. Nat. sér. 4, v.* 354.
On the ground. Goyaz (*Wedd.*).

16. A. (CLITOCYBE) EXSANGUIS, *Mont. Ann. des Sci. Nat.* sér. 4, v. 355.
On rotten wood. Matto Grosso (*Wedd.*).
17. A. (CLITOCYBE) PISTILLIPES, *Mont. Ann. des Sci. Nat.* sér. 4, v. 355.
On the ground. Minas Geraes (*Wedd.*).
18. A. (CLITOCYBE) MACROMPHALUS, *Mont. Ann. des Sci. Nat.* sér. 4, v. 355.
In woods. Goyaz (*Wedd.*).
19. A. (CLITOCYBE) ODONTELLUS, *Mont. Ann. des Sci. Nat.* sér. 4, v. 355.
On the ground. Goyaz (*Wedd.*).
20. A. (COLLYBIA) RHEICOLOR, *Berk. Hook. Lond. Journ.* ii. (1843) 630.
On rotten tree. Minas (*Gardner*).
21. A. (COLLYBIA) BORYANUS, *Berk. & Mont. Ann. des Sci. Nat.* 1849.
On trunks. Bahia (*Mont.*).
22. A. (MYCENA) ASTEROCEPHALUS, *Mont. Ann. des Sci. Nat.* sér. 4, v. 355.
On the ground. Minas Geraes (*Wedd.*).
23. A. (MYCENA) BRACHYPUS, *Mont. Ann. des Sci. Nat.* sér. 4, v. 356.
In woods on branches. Minas Geraes (*Wedd.*).
24. A. (MYCENA) CONVULVULUS, *Mont. Ann. des Sci. Nat.* sér. 4, v. 356.
On branches. Matto Grosso (*Wedd.*).
25. A. (MYCENA) CITRICEPS, *Mont. Ann. des Sci. Nat.* sér. 4, v. 356.
In woods. Serrada Estrella (*Wedd.*).
26. A. (MYCENA) ATROPURPUREUS, *Mont. Ann. des Sci. Nat.* sér. 4, v. 356.
On the ground. Minas Geraes (*Wedd.*).
27. A. (MYCENA) ERYTHRELLUS, *Mont. Ann. des Sci. Nat.* sér. 4, v. 356.
On the ground. Goyaz (*Wedd.*).
28. A. (MYCENA) SUBMURINUS, *Mont. Ann. des Sci. Nat.* sér. 4, v. 357.
In woods. Goyaz (*Wedd.*).
29. A. (MYCENA) CHLOROTICUS, *Mont. Ann. des Sci. Nat.* sér. 4, v. 357.
In woods. Matto Grosso (*Wedd.*).

30. A. (MYCENA?) PLORANS, *Mont. Ann. des Sci. Nat. sér. 4, v. 357.*
On rotten wood. Matto Grosso (*Wedd.*).
31. A. (MYCENA) VIOLACEO-MARGINATUS, *Mont. l. c. p. 358.*
On trunk of a Palm called Acuri, near the river Paraguay. In moist woods, Brazil.
32. A. (MYCENA) PILEUM TURCICUM, *Mont. Ann. des Sci. Nat. sér. 4, v. 357.*
On trunks. Matto Grosso (*Wedd.*).
33. A. (OMPHALIA) GARDNERI, *Berk. Hook. Journ. ii. (1843) 427, 631.*
Palm leaves. Prov. Goyaz (*Gardner*).
34. A. (OMPHALIA) HYPOLEUCUS, *Berk. in Hook. Journ. (1856) 132.*
On trunks of trees. Panuré (*Spruce, no. 4.*).
35. A. (OMPHALIA) SMARAGDINUS, *Berk. in Hook. Journ. (1856) 131.*
On the ground. Panuré (*Spruce, no. 8.*).
36. A. (OMPHALIA) EUOMPHALOS, *Berk. in Hook. Journ. (1856) 131.*
On the ground. Panuré (*Spruce, nos. 122, 133.*).
37. A. (OMPHALIA) CAMPANELLA, *Batsch., Fr. Ep. p. 126.*
River Amazon (*Spruce*).
38. A. (OMPHALIA) IANTHINOPHÆUS, *Mont. Ann. Sci. Nat. sér. 4, v. 358.*
On trunks. Matto Grosso (*Wedd.*).
39. A. (OMPHALIA) FLAVOLIVENS, *Mont. Ann. des Sci. Nat. sér. 4, v. 358.*
On wood. Goyaz (*Wedd.*).
40. A. (OMPHALIA) NAUSEABUNDUS, *Mont. Ann. des Sci. Nat. sér. 4, v. 359.*
On trunks.
41. A. (PLEUROTUS) XYLOCHARIS, *Mont. Ann. des Sci. Nat. sér. 4, v. 359.*
On branches. Goyaz (*Wedd.*).
42. A. (PLEUROTUS) JACKSONI, *B. & C. Pileo tenui, radiato-striato, postice fortiter depresso, stipite primum centrali, dein laterali, brevi, cylindrico; lamellis tenuibus decurrentibus, acie integris.*
On decayed wood. Maules (*Traill, no. 125.*)
Pileus 3 inches across, conchiform, at first entire, then lateral; stem $\frac{1}{2}$ inch high, about 1 line thick; gills numerous, shortly decurrent. Mr. Jackson has sent the same thing from the Kew Museum, received from Amoy. The figure of *Lentinus hispidosus*, Fr., in Kalkbrenner gives a good idea of the habit. The colour of the plant when fresh

is uncertain. Traill, no. 51, from Obydos, Brazil, described as reddish brown, has no spores; and therefore the subgenus is doubtful.

43. *A. (VOLVARIA) CNEMIDOPHORUS*, *Mont. Ann. des Sci. Nat. sér. 4*, v. 360.

In pastures (*Wedd.*). On the ground. Bolivia.

44. *A. (PHOLIOTA) TRAILLII*, *B. & Cooke*. Pileo hemisphærico dense piloso-squamoso, fulvo, margine inflexo; stipite subæquali furfuraceo-squamoso pallido, annulo membranaceo; sporis pure fulvis.

On decayed wood. Teffé, Dec. 1874 (*Traill*, no. 129).

Pileus, when dry, more than $\frac{1}{2}$ an inch across, but probably when fresh much larger, tawny, clothed densely with pilose scales; stem 1 inch high, $1\frac{1}{2}$ line thick, paler but clothed with tawny scales; ring membranaceous, white; spores pure tawny, like those of *A. spectabilis*.

45. *A. (HEBELOMA) PSAMMINUS*, *Berk. in Hook. Journ.* (1856) 132.

On the ground. Panuré (*Spruce*, no. 124).

46. *A. (NAUCORIA) PANURENSIS*, *Berk. in Hook. Journ.* (1856).

On the ground. Panuré (*Spruce*, no. 124).

47. *A. (NAUCORIA) MARASMIOIDES*, *Berk. in Hook. Journ.* (1856).

On fragments of wood. Panuré (*Spruce*, no. 116).

48. *A. (NAUCORIA) JANUARIENSIS*, *Mont. Ann. des Sci. Nat. sér. 4*, v. 360.

In pastures near Rio Janeiro.

49. *A. (NAUCORIA?) SMIDIoidES*, *Mont. l. c.*

In moist pastures near Rio Janeiro.

50. *A. (GALERA) FULVELLUS*, *Mont. Ann. des Sci. Nat. sér. 4*, v. 360.

In woods. Brazil (*Wedd.*).

51. *A. (CREPIDOTUS) ALPINIÆ*, *Berk. in Hook. Journ.* (1856).

On dead stems of *Alpinia*. Rio Negro (*Spruce*, no. 114).

52. *A. (PSALLIOTA) OCHROPODIUS*, *Mont. Ann. des Sci. Nat. sér. 4*, v. 361.

In woods. Matto Grosso (*Wedd.*).

53. *A. (PSALLIOTA) RHYTOPILUS*, *Mont. Ann. des Sci. Nat. sér. 4*, v. 361.

In fields, on dung. Brazil (*Wedd.*).

54. *COPRINUS TORQUATUS*, *Mont. Ann. des Sci. Nat. sér. 4*, v. 361.

In moist woods. Matto Grosso (*Wedd.*).

55. *C. CONSOBRINUS*, *Mont. Ann. des Sci. Nat. sér. 4*, v. 361.

In moist woods. Matto Grosso (*Wedd.*).

56. *C. MATUTINUS*, *Mont. Ann. des Sci. Nat.* sér. 4, v. 362.

On dung. Brazil.

57. *CORTINARIUS (INOLOMA) WEDDELIANUS*, *Mont. Ann. des Sci. Nat.* sér. 4, v. 361.

On the ground. Brazil (*Wedd.*).

58. *PAXILLUS VIRIDIS*, *Berk. in Hook. Journ.* (1856) 133.

On the ground in woods. Rio Negro (*Spruce*, no. 3).

59. *P. RETIARIUS*, *Berk. in Hook. Journ.* (1856) 133.

On sandy soil. Panuré (*Spruce*, no. 118).

60. *HYGROPHORUS NITENS*, *Sow. t.* 71; *Berk. in Hook. Journ.* (1856) 134.

Panuré (*Spruce*).

61. *H. SIPARIUS*, *Berk. in Hook. Journ.* (1856) 134.

On the ground. Panuré (*Spruce*).

62. *H. BRASILIENSIS*, *Mont. Ann. des Sci. Nat.* sér. 4, v. 361.

On the ground. Goyaz (*Wedd.*).

63. *H. PRASINUS*, *Mont. Ann. des Sci. Nat.* sér. 4, v. 361.

On the ground. Brazil (*Wedd.*); Paraguay.

64. *CANTHARELLUS CIBARIUS*, *Fr. Epic.* 365; *Berk. in Hook. Journ.* (1856) 134.

On sandy ground. Panuré (*Spruce*, no. 121). On the ground, Iripixy, Jan. 31, 1874 (*Traill*, no. 7).

65. *C. BRASILIENSIS*, *Mont. Ann. des Sci. Nat.* sér. 4, v. 363.

On the ground. Brazil (*Wedd.*).

66. *C. PUSIO*, *Berk. in Hook. Journ.* (1856) 134.

Brazil (*Spruce*, no. 94).

67. *HELIOMYCES SPRUCEI*, *Berk. in Hook. Journ.* (1856) 134.

On sticks. Panuré (*Spruce*, no. 91).

68. *MARASMIUS PLECTOPHYLLUS*, *Mont. Ann. Sci. Nat.* sér. 4, i. p. 111; *Berk. in Hook. Journ.* (1856) 135.

On wood. Panuré (*Spruce*, no. 113).

69. *M. HÆDINUS*, *Berk. in Hook. Journ.* (1856) 135.

On dead leaves. Panuré (*Spruce*, no. 31).

70. *M. LEONINUS*, *Berk. in Hook. Journ.* (1856) 135.

On dead leaves. Panuré (*Spruce*, no. 112).

71. *M. RHABARBARINUS*, *Berk. in Hook. Journ.* (1856) 135.

On dead leaves. Panuré (*Spruce*, no. 140). On twigs. Rio Purus (*Traill*, no. 161).

72. *MARASMIUS TAGETICOLOR*, *Berk. in Hook. Journ.* (1856) 136, t. v. f. 1.
On dead twigs &c. Panuré (*Spruce*).
73. *M. FULVUS*, *Mont. MS.*; *Berk. in Hook. Journ.* (1856) 136.
Panuré (*Spruce*).
74. *M. HELVOLUS*, *Berk. in Hook. Journ.* (1856) 136.
On dead leaves (*Spruce*, no. 139).
75. *M. FERRUGINEUS*, *Berk. in Hook. Journ.* ii. 630 (1856) viii. 136.
On dead leaves. Panuré (*Spruce*, no. 90); Rio Purus (*Traill*, no. 93).
On bark. Minas (*Gardner*).
76. *M. FULVICEPS*, *Berk. in Hook. Journ.* vi. 490, viii. 136.
On decayed trunks. Panuré (*Spruce*, no. 90).
77. *M. POLYGRAMMUS*, *Mont. Syll.* p. 141.
On little twigs. Lake Iripixy, Rio Trombetas (*Traill*, no. 67).
78. *M. HIRTELLUS*, *B. & Br. Ceylon Fungi*, no. 382.
On leaves &c. Rio Purus (*Traill*, nos. 90, 92).
79. *M. FLAMMANS*, *Berk. in Hook. Journ.* (1856) 136.
On dead leaves. Panuré (*Spruce*, no. 97).
80. *M. PÆCILUS*, *Berk. in Hook. Journ.* (1856) 137.
On dead leaves. Panuré (*Spruce*, no. 139).
81. *M. HÆMATOCEPHALUS*, *Mont.*, *Berk. in Hook. Journ.* (1856) 173.
On dead twigs, leaves, &c. Panuré (*Spruce*); Rio Jurua, Rio Purus (*Traill*, nos. 74, 91, 118).
82. *M. ATRORUBENS*, *Berk. in Hook. Journ.* (1856) 137.
Amongst dead leaves &c. Panuré (*Spruce*, nos. 105, 101, 106).
83. *M. RUBRICOSUS*, *Mont. Syll.* p. 138.
On dead wood. Resaca; Rio Purus (*Traill*, no. 59).
84. *M. DECURRENS*, *Mont. Ann. Sci. Nat. sér. 4, i.* 118; *Berk. in Hook. Journ.* (1856).
On dead twigs. Panuré (*Spruce*, no. 107).
85. *M. CAATINGENSIS*, *Berk. in Hook. Journ.* (1856) 137.
On the ground. Rio Uaupés (*Spruce*, nos. 85, 86, 87, 95).
86. *M. MITIUSCULUS*, *Berk. Hook. Lond. Journ.* ii. (1843) 631.
On rootlets. Minas (*Gardner*).

87. *MARASMIUS INODERMA*, *Berk. in Hook. Journ.* (1851) 15.
Para (*Spruce*).
88. *M. BRASILIENSIS*, *Berk. & Mont. Ann. des Sci. Nat.* (1849) 236.
On branches. Bahia (*Blanchet*).
89. *M. DILATATUS*, *Berk. in Hook. Journ.* (1856) 138.
On dead branches. Panuré (*Spruce*, nos. 93, 109).
90. *M. OMPHALODES*, *Berk. in Hook. Journ.* (1856) 138.
On fragments of dead vegetables. Panuré (*Spruce*, no. 131).
91. *M. PULCHELLUS*, *Berk. in Hook. Journ.* (1856) 138.
On dead leaves. Panuré (*Spruce*, no. 99).
92. *M. CLADOPHYLLUS*, *Berk. in Hook. Journ.* (1856) 138.
On dead leaves. Panuré (*Spruce*, no. 89).
93. *M. EPILEUCUS*, *Berk. in Hook. Journ.* (1856) 139.
On dead sticks. Panuré (*Spruce*).
94. *M. NIVOSUS*, *Berk. in Hook. Journ.* (1856) 139.
On sticks, ferns, &c. Panuré (*Spruce*).
95. *M. OBSCURUS*, *Berk. in Hook. Journ.* (1856) 139.
On dead leaves. Panuré (*Spruce*, no. 138).
96. *M. BELLUS*, *Berk. in Hook. Journ.* (1856) 139.
Rio Negro (*Spruce*, no. 102).
97. *M. HIPPIOCHÆTES*, *Berk. in Hook. Journ.* (1856) 139.
On wood, stalks, &c. Rio Uaupés (*Spruce*, no. 88).
98. *M. CUPRESSIFORMIS*, *Berk. in Hook. Journ.* (1856) 140, t. v. f. 3.
On dead leaves. Panuré (*Spruce*, no. 75).
99. *M. POPULIFORMIS*, *Berk. in Hook. Journ.* (1856) 140, t. v. f. 2.
On dead twigs &c. Panuré (*Spruce*).
100. *M. COILOBASIS*, *Berk. in Hook. Journ.* (1856) 141.
On dead trunks. Panuré (*Spruce*, no. 1).
101. *M. IGNOBILIS*, *B. & Br. Ceylon Fungi*, no. 390.
On little twigs. Rio Purus (*Traill*, no. 85).
102. *M. ALEURITES*, *B. & Cooke*. Pusillus, dealbatus; pileo demum reflexo, albo, stipiteque opacis albo-pulverulentis; lamellis angustis, undulatis, crassiusculis, obtusis.
On dead sticks. Obydos, Feb. 13, 1874 (*Traill*, no. 56).

About $1\frac{1}{2}$ line wide; stem very short, at length quite resupinate.

Agrees in habit with *A. nidulus*, B. & C., and *M. ignobilis*, but very different.

103. *MARASMIUS TRAGANUS*, B. & Cooke. Albus, pusillus; pileo rugoso-caperato, membranaceo, umbonato; stipite filiformi, e basi orbiculari tomentosa oriundo; lamellis paucis, latis decurrentibus.

On dead sticks. Rio Jurua (*Traill*, no. 62).

Pileus $\frac{1}{4}$ inch across, wrinkled, with a minute umbo, stem filiform, $\frac{1}{2}$ inch high, springing from an orbicular tomentose base; gills broad, decurrent.

104. *M. SPANIOPHYLLUS*, B. sub *Agarico*; Hook. Lond. Journ. (1843) 631.

On dead sticks (*Traill*, no. 111). Goyaz (*Gardner*).

105. *M. RUFO-PUNCTATUS*, Mont. Ann. des Sci. Nat. sér. 4, v. 363.

On trunks. Matto Grosso (*Wedd.*).

106. *M. WEDDELLIANUS*, Mont. Ann. des Sci. Nat. sér. 4, v. 363. Amongst leaves. Minas Geraes (*Wedd.*).

107. *M. RUFO-STRIATULUS*, Mont. Ann. des Sci. Nat. sér. 4, v. 364. In woods amongst leaves. Matto Grosso (*Wedd.*).

108. *M. LUTEUS*, Mont. Ann. des Sci. Nat. sér. 4, v. 364. Amongst leaves. Matto Grosso (*Wedd.*).

109. *LENTINUS VILLOSUS*, Fr. Epic. 388; Berk. in Hook. Journ. (1856) 141.

On decayed wood. Minas (*Gardner*); Panuré (*Spruce*, no. 128); Brazil (*Traill*, no. 73).

Traill's no. 79 is a *Lentinus* closely allied to *L. villosus*, but with entire gills. The species is possibly new; but the specimens are in bad condition.

110. *L. FUMIGATUS*, Lév. Ann. d. Sci. Nat. sér. 3, v. 117; Berk. in Hook. Lond. Journ. (1856) 141.

111. *L. TENER*, Kl.; Fr. Epic. i. 389; Berk. in Hook. Journ. (1856) 142.

On decayed wood (*Gardner*). Rio Negro (*Spruce*).

112. *L. CRINITUS*, L. (sub *Agarico*).

On dead wood. April 15, 1874, Villa Bella (*Traill*, no. 71).

113. *L. SCHWARTZII*, Berk. Hook. Lond. Journ. ii. (1843) 632. Brazil (*Gardner*).

114. *LENTINUS SCHOMBERGII*, B. *Linn. Trans.* xx.

On dead wood. Rio Maubes below rapids (*Traill*, no. 105).

115. *L. CRASSIPES*, Berk. *Hook. Lond. Journ.* ii. (1843) 633.

Minas Geraes (*Gardner*).

116. *L. NICOTIANA*, Berk. in *Hook. Journ.* (1856) 141, t. v. f. 7.

On decayed trunks. Panuré (*Spruce*, no. 45).

117. *L. VELUTINUS*, Fr. *Ep.* i. 392; *Hook. Journ.* ii. (1843) 633.

Minas Geraes (*Gardner*).

118. *L. CALVESCENS*, Berk. in *Hook. Journ.* (1856) 141.

On decayed trunks. Panuré (*Spruce*, no. 136).

119. *L. FULVASTER*, B. & Cooke. Pileo orbiculari, albo, sicco fulvescente, umbilicato, glabro; stipite gracili, glabro, concolori; lamellis angustis, dentatis.

On dead wood. Resaca, Rio Purus, Nov. 1, 1874 (*Traill*, no. 50).

Pileus orbicular, $\frac{3}{4}$ in. in diameter, umbilicate, at first white, but becoming, like the rest of the plant, tawny when dry; stem slender, 2 in. high, about 1 line thick, smooth; gills narrow, decurrent. Varying much in size, stem sometimes almost capillary.

120. *L. FURCATUS*, B. & Cooke. Albus; pileo reniformi-flabellato, glabro, sicco radiato-subrugoso, margine inflexo; stipite brevi, hirto; lamellis tenuibus, celluloso-furcatis, dentatis, decurrentibus.

On dead wood. Rio Solimões, Nov. 1874 (*Traill*, no. 7).

Pileus $2\frac{1}{2}$ in. across, smooth, but marked with little pits and ridges; stem lateral, scarcely $\frac{1}{2}$ in. high, 2 lines thick, shortly hispid; gills crowded, thin, with a jagged margin, decurrent, forked, and cellular.

If the division of the gills were carried further, the species would belong to *Favolus*.

121. *L. COMPRESSUS*, B. & Cooke. Albus; pileo flabelliformi, radiato-lineato, stipiteque brevi sursum canaliculato-compresso, velutinis; lamellis tenuibus decurrentibus, laciniatis.

On dead wood. Teffé (*Traill*, no. 124).

Pileus $1\frac{1}{2}$ in. across, flabelliform, clothed with thin velvety down, as is also the short stem ($\frac{3}{4}$ in. high, $\frac{1}{4}$ thick above), which is compressed in consequence of a depression continued from the pileus, and dilated upwards, where it runs laterally into the pileus; gills very thin, the edge strongly lacinate.

122. *L. ALBIDUS*, Berk. in *Hook. Journ.* ii. (1843).

On a Lime tree (*Gardner*).

123. *L. LENTINUS LEUCOCHROUS*, *Lév. Ann. Sci. Nat.* 1844, t. 14. f. 1.
On dead wood. Teffé (*Traill*, no. 106).
124. *L. TRICHOLOMA*, *B. & Cooke*. Albus; pileo orbiculari, umbilicato, glabro, margine ciliato; stipite gracili, glabrescente, lamellis angustis, arcuatis, parce dentatis, decurrentibus.
On dead wood. Rio Jurua, April 25, 1873 (*Traill*, no. 35).
Pileus orbicular, $\frac{1}{3}$ in. across, smooth, umbilicate, with the margin fringed; stem slender, central, $\frac{3}{4}$ –1 in. high, at first somewhat scaly, then quite smooth.
The habit is exactly that of *Polyporus tricholoma*, M.
125. *L. SUBMEMBRANACEUS*, *Berk. in Hook. Journ.* ii. (1843).
On dead tree. Minas (*Gardner*).
126. *L. GUILLEMINIANUS*, *Mont. Ann. des Sci. Nat.* sér. 4, v. 364.
On trunks. Brazil (*Wedd.*).
127. *L. CONCHATUS*, *Mont. l. c.* p. 365.
On moist wood. Rio Janeiro.
128. *PANUS RETICULATUS*, *Berk. in Hook. Journ.* (1856) 142.
On the ground amongst leaves. Panuré (*Spruce*, no. 130).
129. *P. SPRUCEI*, *Berk. in Hook. Journ.* (1856) 142, t. v. f. 6.
On decayed wood. Panuré (*Spruce*, no. 74).
130. *P. VISCIDUS*, *Mont. Ann. des Sci. Nat.* sér. 4, v. 366.
On trunks. Minas Geraes (*Wedd.*).
131. *P. CUNEATUS*, *Mont. Ann. des Sci. Nat.* sér. 4, v. 366.
On wood. Goyaz (*Wedd.*).
132. *SCHIZOPHYLLUM COMMUNE*, *Fr. Epic.* i. 403; *Berk. Hook. Journ.* (1856) 143.
Rio Negro (*Spruce*, no. 137); Caripi (*Spruce*); Brazil (*Traill*, no. 99).
133. *S. UMBRINUM*, *Berk. in Hook. Journ.* (1851) 15, t. i. fig. 1.
Caripi (*Spruce*).
134. *LENZITES APPLANATA*, *Fr. Epic.* p. 404; *Berk. in Hook. Lond. Journ.* ii. (1843); *Kew Gard. Journ.* (1856) 143.
On dead trunks. Goyaz; Minas (*Gardner*). Rio Negro (*Spruce*, no. 66).
135. *L. DEPLANATA*, *Fr. Epic.* i. 404; *Berk. in Hook. Journ.* (1856).
On dead trunks. Rio Negro (*Spruce*, nos. 65, 59).
136. *L. BRASILIENSIS*, *Mont. Ann. des Sci. Nat.* sér. 4, v. 366.
On Trunks. Brazil (*Wedd.*).

137. *LENZITES STRIATA*, Swartz (sub *Agarico*); *Fr. Epic.* i. 406;
Berk. in Hook. Journ. (1856) 143.
 On half-burnt logs, Rio Negro (*Spruce*, no. 132). On dead wood,
 Obydos (*Traill*, no. 108).
138. *POLYPORUS (MESOPUS) WEDDELLII*, *Mont. Ann. des Sci. Nat.*
 sér. 4, v. 366.
 On the ground. Brazil (*Wedd.*).
139. *P. (MESOPUS) LENTUS*, *Berk. Eng. Fl.* v. 134; *Hook. Lond.*
Journ. ii. (1843) 635.
 On rotten stem. Brazil (*Gardner*).
140. *P. (MESOPUS) GUIANENSIS*, *Mont. Syll.* p. 153.
 On dead wood. Rio Purus (*Traill*, no. 89).
141. *P. (MESOPUS) SIMILIS*, *Berk. Hook. Lond. Journ.* ii. (1843)
 635.
 On old trees. Minas (*Gardner*).
142. *P. (MESOPUS) APALUS*, *Berk. Hook. Lond. Journ.* ii. (1843)
 635.
 On rotten trees. Minas (*Gardner*).
143. *P. (MESOPUS) STIPITARIUS*, *B. & Curt. Cuban Fungi*, no. 183.
 On dead wood. Teffé, Oct. 19, 1874 (*Traill*, no. 72).
144. *P. (MESOPUS) AUGUSTUS*, *Berk. in Hook. Journ.* (1856) 143.
 On dead branches. Panuré (*Spruce*, no. 211).
145. *P. (MESOPUS) OBLECTANS*, *Berk. in Hook. Journ.* (1856) 175.
 On dead wood.
146. *P. (MESOPUS) LUTEO-NITIDUS*, *Berk. in Hook. Journ.* (1856)
 175.
 On the ground. Panuré (*Spruce*, no. 51).
147. *P. (MESOPUS) CAMERARIUS*, *Berk. in Hook. Journ.* (1856) 143.
 On dead trunks. Panuré (*Spruce*, nos. 171, 197).
148. *P. (MESOPUS) PARTITUS*, *Berk. in Hook. Journ.* (1856) 169.
 On wood. Panuré (*Spruce*, no. 205).
149. *P. (MESOPUS) PARTITUS*, *Berk. in Hook. Journ.* (1856) 170, t. v.
 f. 1.
 On the ground. Panuré (*Spruce*, nos. 20, 200).
 Var. β . *CUNEATUS*, *Berk. ib.* Panuré (*Spruce*, no. 180).
150. *P. (MESOPUS) RENATUS*, *Berk. in Hook. Journ.* (1856) 170.
 On the ground. Panuré (*Spruce*, no. 169).

151. *POLYPORUS (MESOPUS) HETEROMORPHUS*, *Lév. Ann. Sci. Nat.* Feb. 1846; *Berk. in Hook. Journ.* (1856) 171.
On dead wood and on the ground. Panuré (*Spruce*, nos. 16, 33, 54).
152. *P. (MESOPUS) CASSIÆCOLOR*, *Berk. in Hook. Journ.* (1856) 171.
On the ground. Panuré (*Spruce*, no. 189).
153. *P. (MESOPUS) PROCERUS*, *Berk. in Hook. Journ.* (1856) 171.
On the ground. Panuré (*Spruce*, no. 165).
154. *P. (MESOPUS) XYLODES*, *Berk. in Hook. Journ.* (1856) 171.
On the ground. Panuré (*Spruce*, no. 42).
155. *P. (MESOPUS) OMPHALODES*, *Berk. in Hook. Journ.* (1856) 172.
On the ground, rarely on trunks. Panuré (*Spruce*, nos. 32, 194).
156. *P. (MESOPUS) OCELLATUS*, *Berk. in Hook. Journ.* (1856) 172,
t. x. f. 3.
On the ground. Panuré (*Spruce*, no. 192).
157. *P. (MESOPUS) EXILIS*, *Berk. in Hook. Journ.* (1856) 173.
On the ground. Panuré (*Spruce*, no. 31).
158. *P. (MESOPUS) PARMULA*, *Berk. in Hook. Journ.* (1856) 173.
On the ground. Panuré (*Spruce*, no. 34).
159. *P. (MESOPUS) MARASMIOIDES*, *Berk. in Hook. Journ.* (1856) 173.
On the ground. Panuré (*Spruce*, nos. 21, 77).
160. *P. (MESOPUS) HYPOPLASTUS*, *Berk. in Hook. Journ.* (1856) 174.
Panuré (*Spruce*, no. 53).
161. *P. (MESOPUS) DIABOLICUS*, *Berk. in Hook. Journ.* (1856)
174.
On dead trunks. Panuré (*Spruce*, no. 195).
162. *P. (MESOPUS) RUFO-ATRATUS*, *Berk. in Hook. Journ.* (1856) 174.
On decayed trunks. Panuré (*Spruce*, no. 174).
163. *P. (MESOPUS) VERNICOSUS*, *Berk. in Hook. Journ.* (1856)
175.
On decayed trunks. Panuré (*Spruce*, no. 50).
164. *P. (MESOPUS) CALCIGENUS*, *Berk. Hook. in Lond. Journ.* ii.
(1843) 636.
On calcareous soil. Goyaz (*Gardner*).
165. *P. (MESOPUS) PERULA*, *Fr. Epic.* i. 437; *Nova Symb.* 57.
On trunks. Brazil (*Fr.*).

166. *POLYPORUS (PLEUROPUS) PICIPES*, *Fr. Epic. i.* 440; *Berk. in Hook. Journ.* (1856) 195.

On trunks. Panuré (*Spruce*).

167. *P. (PLEUROPUS) INFERNALIS*, *Berk. Hook. Lond. Journ. ii.* (1843) 637.

On stem of old tree. Minas Geraes (*Gardner*).

168. *P. (PLEUROPUS) SEMINIGRITA*, *B. & Cooke*. Pusillus; pileo tenui umbilicato, margine membranaceo, inflexo; stipite abrupte nigro; poris subhexagonis, acie obtusa.

On dead wood. Obydos, Feb. 1st, 1874 (*Traill*, no. 102).

Pileus $\frac{1}{2}$ an inch or more across, smooth, infundibuliform, margin very thin; stem 2 lines high, dilated above, about 1 inch thick, abruptly black; pores subhexagonal, with an obtuse margin, about .01 inch across.

Belongs to the same group as *P. vorius*, but quite distinct.

169. *P. (PLEUROPUS) GRAMMOCEPHALUS*, *Berk. Hook. Lond. Journ.* (1842) p. 148.

Var. poris minoribus.

On dead wood. Obydos (*Traill*, no. 96).

Quite agreeing with *P. grammocephalus*, but with rather smaller pores. Specimens, however, from different localities differ in this respect.

170. *P. (PLEUROPUS) LEPRIEURII*, *Mont. Ann. des Sci. Nat. sér. 2,* xiii. 203; *Berk. in Hook. Journ.* (1856) 195.

On dead trunks. Panuré (*Spruce*, no. 202).

171. *P. (PLEUROPUS) PASSERINUS*, *Berk. in Hook. Journ.* (1856) t. x. f. 2, 175.

In woods. Panuré (*Spruce*).

172. *P. (PLEUROPUS) OPACUS*, *Berk. & Mont. Ann. des Sci. Nat.* 1849, 236.

On wood. Bahia (*Blanchet*).

173. *P. (PLEUROPUS) BLANCHETIANUS*, *Berk. & Mont. Ann. des Sci. Nat.* 1849, 238.

On trunks. Bahia (*Blanchet*).

174. *P. (PLEUROPUS) AURISCALPIUM*, *Pers. Gaud. Voy.; Mont. Ann. des Sci. Nat. sér. 4, v.* 366.

On trunks. Brazil (*Wedd.*).

175. *P. (PLEUROPUS) LUCIDUS*, *Fr. Epic. i.* 442; *Berk. in Hook. Journ.* (1856) 194.

- On dead trunks. Trombetas (*Traill*, no. 170, a form scarcely laccate).
Panuré (*Spruce*, nos. 48, 67, 79, 172). Rio Jurua, Oct. 20, 1874
(*Traill*, no. 107).
176. POLYPORUS (PLEUROPUS) PES-SIMIÆ, *Berk. in Hook. Journ.* (1856).
On rotten trunks. Panuré (*Spruce*, no. 212).
177. P. (PLEUROPUS) MACER, *Berk. in Hook. Journ.* (1856) 176.
Panuré (*Spruce*).
178. P. (PLEUROPUS) PALLIDUS, *Berk. in Hook. Journ.* (1856) 176.
On dead wood. Panuré (*Spruce*).
179. P. (PLEUROPUS) BRUNNEOPICTUS, *Berk. in Hook. Journ.* (1856)
176.
On dead wood. Panuré (*Spruce*, no. 55).
180. P. (PLEUROPUS) SEMICLAUSUS, *Berk. in Hook. Journ.* (1856)
193.
On decaying trunks. Panuré (*Spruce*, nos. 56, 200).
181. P. (PLEUROPUS) VARIABILIS, *Berk. in Hook. Journ.* (1856) 193,
t. ix. f. 1.
On the ground. Panuré (*Spruce*, nos. 57, 183, 207).
182. P. (PLEUROPUS) SANGUINEUS, *Fr. Epicr.* i. 444; *Berk. in Hook.*
Journ. (1856) 196.
Panuré (*Spruce*, nos. 187, 46). Caripi, Para (*Spruce*). Teffé, Dec.
1874 (*Traill*, nos. 3, 60, 126).
183. P. (PLEUROPUS) MUTABILIS, *Berk. & Curt. in Ann. Nat. Hist.*
1853, p. 433; *Berk. in Hook. Journ.* (1856) 196.
On dead wood. Panuré (*Spruce*, nos. 173, 176, 30).
184. P. (PLEUROPUS) LUTEUS, *Nees, Fr. Epicr.* i. 445; *Berk. in Hook.*
Journ. (1856) 196; *id. ib.* (1843) 637.
On dead wood. Panuré (*Spruce*, no. 19). Brazil (*Gardner*), with *Stereum elevatum* (*Traill*, no. 130).
185. P. (PLEUROPUS) HINNULEUS, *B. & Cooke*. Flavo-fuscus; pileo
cuneiformi, radiato-lineato, margine lobato; stipite brevissimo cum
pileo confluyente; poris irregularibus, dissepimentis tenuibus, decur-
rentibus.
On dead wood. Rio Trombetas, Jan. 31, 1874 (*Traill*, no. 11).
Yellow-brown; pileus subcoriaceous, cuneiform, with a lobed margin,
thickly and finely radiato-striate, $1\frac{1}{4}$ inch across; stem very short, and
confluent with pileus; pores irregular, with thin dissepiments, about
 $\frac{1}{32}$ inch across, edge jagged.

186. *POLYPORUS (PLEUROPUS) PORPHYRITIS*, Berk. in Hook. Journ. (1856) 196.

On dead trunks. Panuré (Spruce, no. 182).

187. *P. (PLEUROPUS) HEMIBAPHUS*, Berk. in Hook. Journ. (1856) 193.

On dead wood. Panuré (Spruce).

188. *P. (PLEUROPUS) ATROPURPUREUS*, Berk. in Hook. Journ. (1856) 194.

On the ground. Panuré (Spruce). Iripixy (Traill, no. 139).

189. *P. (PLEUROPUS) AFFINIS*, Fr. Epic. i. 445.

On dead wood. Rio Jutahy (Traill, no. 135).

190. *P. (PLEUROPUS) STEREINUS*, Berk. (non *P. stereoides*, Fr.), *Cuban Fungi*, no. 212.

On dead wood. Trombetas, March 3, 1874 (Traill, no. 160).

191. *P. (PLEUROPUS) GALLINACEUS*, B. & Cooke. Pileo tenui, chartaceo, flabelliformi, zonato, postice umbilicato, subtiliter tomentoso, glabrescente, radiato-lineato; stipite cylindrico, tomentoso, e basi orbiculari oriundo, poris minimis.

On dead wood. Obydos, Feb. 12, 1874; Rio Purus (Traill, nos. 58, 83, 95).

Pileus $1\frac{3}{4}$ in. across, ochraceous, with frequent darker zones, sometimes inclined to brown; margin very thin, sometimes jagged; stem $\frac{1}{2}$ in. high, 1 line thick, the pileus running down the wood beyond the orbicular base. Pores $\frac{1}{200}$ in. across.

Allied to *P. stereinus*, B. A smaller form occurred at Rio Purus (Traill's no. 88), resembling somewhat in form and colouring a turkey's feather.

192. *P. (PLEUROPUS) RHIPIDIUS*, Berk. in Hook. Journ. (1856), 195.

On wood in forests. Rio Negro (Spruce, no. 168). Amazon.

193. *P. (PLEUROPUS) DECOLOR*, Berk. in Hook. Journ. (1856) 195.

On decayed trunks. Panuré (Spruce, no. 47).

194. *P. (PLEUROPUS) NEPHRIDII*, Berk. in Hook. Journ. (1856) 195.

On a dead trunk. Panuré (Spruce, nos. 164, 210).

195. *P. (PLEUROPUS) DIETRICHSENII*, Fr.

Var. poris minoribus.

Rio Trombetas, Jan. 31, 1874. Manaos, Dec. 30, 1874 (Traill, nos. 52, 8).

In the same specimen one individual has a cylindrical stem,

while two others joined to it laterally are quite stemless, attached simply by the vertex.

196. *POLYPORUS (MERISMA) POLYDACTYLUS*, Berk. in *Hook. Journ.* (1856) 196.

Amongst roots of trees. Panuré (*Spruce*, no. 59).

197. *P. (ANODERMEI) NIVOSUS*, Berk. in *Hook. Journ.* (1856) 197.

On dead wood. Panuré (*Spruce*, no. 192).

198. *P. (ANODERMEI) ARMENIACUS*, Berk. in *Hook. Journ.* (1856) 197.

On dead trunks. Panuré (*Spruce*, nos. 39, 191).

199. *P. (ANODERMEI) DETRITUS*, Berk. in *Hook. Journ.* (1856) 197.

On dead wood. Panuré (*Spruce*, nos. 43, 49, 191).

200. *P. (ANODERMEI) EUDOTHRIX*, Berk. in *Hook. Journ.* (1856) 197.

On palings. San Carlos (*Spruce*).

201. *P. (ANODERMEI) TRICHOMALLUS*, Berk. & Mont. *Ann. des Sci. Nat.* 1849, 238.

On dead wood. Prainha; Cararaucu (*Traill*, no. 56).

202. *P. (ANODERMEI) SUBSTUPPEUS*, B. & Cooke. Pileo dimidiato, postice decurrente, rugoso, brevi, floccis substuppeis vestito; poris subhexagonis, acie tenuibus.

On dead wood (*Traill*, no. 123).

Pileus $\frac{1}{2}$ in. long, $1\frac{1}{2}$ or more wide, dimidiate, decurrent behind, pale ochraceous when dry, radiato-rugose, clothed with depressed spongy down; pores about $\frac{1}{40}$ in. diameter, but variable; dissepiments thin, acute.

Traill's no. 64, from Obydos, Feb. 12, 1874, is a resupinate form.

203. *P. (ANODERMEI) INTERCALARIS*, B. & Cooke. Imbricatus; pileis brevibus subzonatis, rugosis, hispidis, bicoloribus, postice decurrentibus; poris parvis.

On dead wood. Teffé, Oct. 19, 1874 (*Traill*, no. 77).

Imbricated, short, laterally confluent, decurrent behind; pilei about half an inch long, with one or two zones, darker behind, hispid; margin very thin; pores about $\frac{1}{80}$ in. diameter.

204. *P. (PLACODERMEI) PETALODES*, Berk. in *Hook. Journ.* (1856) 198.

On dead trunks. Panuré (*Spruce*, no. 36).

205. *POLYPORUS (PLACODERMEI) ZONALIS*, *König, Berk. Hook. Journ.* (1847) 504, (1856) 198.
On decayed trunks. Panuré (*Spruce*, nos. 68, 208). On dead wood. Teffé, Dec. 18, 1874; Lago cerrado, Rio Jurua, Oct. 30, 1874 (*Traill*, no. 122).
206. *P. (PLACODERMEI) AUBERIANUS*, *Mont. Cub.* p. 399.
Brazil (*M. J. B.*).
207. *P. (PLACODERMEI) MARTIUS*, *Berk. in Hook. Journ.* (1856) 198.
On dead wood. Panuré (*Spruce*).
208. *P. (PLACODERMEI) FASCIATUS*, *Fr. Epic.* p. 471; *Berk. in Hook. Journ.* (1856) 198.
On decayed trunks. Panuré (*Spruce*, nos. 58, 171).
209. *P. (PLACODERMEI) AUSTRALIS*, *Fr. Epic.* i. 464; *Berk. in Hook. Lond. Journ.* (1843) 673, *in Hook. Journ.* (1856) 198.
On trunks. Panuré (*Spruce*, no. 570). Teffé, Oct. 19, 1874 (*Traill*, no. 70). Minas Geraes (*Gardner*).
210. *P. (PLACODERMEI) APPLANATUS*, *Fr.*
On dead wood. Obydos, June 24; Rio Jurua, Nov. 10, 1874 (*Traill*, nos. 53, 98).
211. *P. (PLACODERMEI) IGNIARIUS*, *Fr. Epic.* i.
Var. *RESUPINATUS*, *Berk. in Hook. Journ.* (1856) 198.
Panuré (*Spruce*, no. 213).
212. *P. (PLACODERMEI) SENEX*, *Mont. Ann. Sci. Nat. sér. 2*, v. p. 70;
Berk. in Hook. Journ. (1856) 198.
On decayed trunks. Panuré (*Spruce*, no. 61).
Var. *marginatus obtuso* (*Traill*, no. 54).
213. *P. (PLACODERMEI) SCALARIS*, *Berk. in Hook. Journ.* (1856) 199.
On dead trunks. Panuré (*Spruce*, nos. 62, 199).
214. *P. (PLACODERMEI) INFLEXIBILIS*, *Berk. Hook. Journ.* (1856) 199.
On dead trunks. Panuré (*Spruce*, nos. 52, 181).
215. *P. (PLACODERMEI) LICNOIDES*, *Mont. Ann. Sci. Nat. sér. 2*, xiii. 204; *Berk. in Hook. Journ.* (1856) 199.
On dead trunks. Panuré (*Spruce*).
216. *P. (PLACODERMEI) ATRO-UMBRINUS*, *Berk. in Hook. Journ.* (1856) 199.
On dead wood. Rio Negro (*Spruce*).

217. *POLYPORUS (PLACODERMEI) FERREUS*, Berk. in *Hook. Lond. Journ.* 1847, p. 502.
Brazil (*M. J. B.*).
218. *P. (PLACODERMEI) HORNODERMUS*, *Mont. Ann. des Sci. Nat.* sér. 4, v. 368.
On trunks. Brazil (*Wedd.*).
219. *P. (PLACODERMEI) FLAVESCENS*, *Mont. Ann. des Sci. Nat.* sér. 4, v. 368.
On trunks. Brazil (*Wedd.*).
220. *P. (PLACODERMEI) RHYTIPHLÆUS*, *Mont. Ann. des Sci. Nat.* sér. 4, v. 369.
On trunks. Minas Geraes (*Wedd.*).
221. *P. (PLACODERMEI) CAPUCINUS*, *Mont. Ann. des Sci. Nat.* sér. 4, v. 369.
On trunks. Brazil.
222. *P. (PLACODERMEI) CARNEUS*, *Nees, Fr. Epic.* i. 471.
Brazil (*M. J. B.*).
223. *P. (INODERMEI) PLEBEIUS*, *Berk. Flor. N. Zeal.* p. 179.
On dead wood. Rio Purus; R. Jurua, Nov. 11, 1874; Obydos (*Traill*, nos. 15, 69, 100).
224. *P. (INODERMEI) HASKARLII*, *Lév. Ann. Sci. Nat.* 1844, ii. 190.
Brazil.
225. *P. (INODERMEI) MYRRHINUS*, *Kickx, Mont. Cub.* 394.
Brazil (*M. J. B.*).
226. *P. (INODERMEI) CHRYSITES*, *Berk. in Hook. Journ.* (1856) 233.
On dead trunks. San Carlos (*Spruce*).
227. *P. (INODERMEI) CUPREO-ROSEUS*, *Berk. in Hook. Journ.* (1856) 253.
On dead trunks. Panuré (*Spruce*).
228. *P. (INODERMEI) FLORIDANUS*, *Berk. in Ann. Nat. Hist.* x. 376; *Hook. Journ.* (1856) 234.
On trunks. San Carlos (*Spruce*). Rio Purus; Obydos, Oct. 12, 1874 (*Traill*, nos. 49, 66).
229. *P. (INODERMEI) ALBOCERVINUS*, *Berk. in Hook. Journ.* (1856) 234.
On trunks. Panuré (*Spruce*, no. 22).
230. *P. (INODERMEI) PSILODERMEUS*, *Berk. & Mont. Ann. des Sci. Nat.* 1849, 239.
On trunks. Bahia (*Blanchet*).

231. *POLYPORUS (INODERMEI) IODINUS*, *Mont. Syll.* p. 167.
Brazil (*M. J. B.*).

232. *P. (INODERMEI) HIRSUTUS*, *Fr. Epic.* i. 477; *Berk. in Hook. Journ. Bot.* (1856) 234.

On trunks. Panuré (*Spruce*, nos. 28, 60). Rio Mauhes, May 1, 1874;
Prainha (*Traill*, nos. 4, 82).

No. 120, from the same locality, is probably the same, but almost destroyed by insects.

233. *P. (INODERMEI) CAPERATUS*, *Klotsch. Ann. Nat. Hist.* iii. 391;
Berk. in Hook. Journ. 1856.

On dead trunks. Panuré (*Spruce*, no. 23).

234. *P. (INODERMEI) SULCIFER*, *B. & Cooke*. Pileo vertice affixo, transversim elongato, sulcato, interstitiis elevatis, spongioso-velutinis, umbrinis, sulcis brunneis; contextu fulvo; poris mediis hexagonis, umbrinis; dissepimentis tenuibus.

On dead wood. Pio Purus, Sept. 1874 (*Traill*, no. 97).

Pileus $\frac{3}{4}$ in. long, $1\frac{1}{4}$ broad, dimidiate, marked with deep brown furrows, and raised umber velvety ribs; pores about $\frac{1}{8}$ in. in diameter.

Resembles *P. caperatus*, but with very different pores, by which it approaches *Hexagona*.

235. *P. (INODERMEI) ACULEANS*, *Berk. in Hook. Journ.* (1856) 199.

On dead wood. Panuré (*Spruce*, no. 188).

236. *P. (INODERMEI) VESPILLONEUS*, *Berk. in Hook. Journ.* (1856) 199.

On dead trunks. Rio Uaupés (*Spruce*, no. 177).

237. *P. (INODERMEI) XEROPHYLLACEUS*, *Berk. in Hook. Journ.* (1856) 200.

On dead wood. Panuré (*Spruce*, no. 179).

238. *P. (INODERMEI) HOLOSCLERUS*, *Berk. in Hook. Journ.* (1856) 200.

On dead trunks. Panuré (*Spruce*, no. 209).

239. *P. (INODERMEI) SETIPORUS*, *Berk. in Hook. Journ.* (1856) 200.
S. Gabriel (*Spruce*, no. 71).

240. *P. (INODERMEI) VELUTINUS*, *Fr. Epic.* i. 478; *Berk. in Hook. Journ.* (1856) 234.

On dead branches. San Carlos (*Spruce*).

241. *P. (INODERMEI) HÆDINUS*, *Berk. in Hook. Journ.* (1856) 234.

On decaying trunks. Panuré (*Spruce*, nos. 28, 203).

242. *POLYPORUS (INODERMEI) SECTOR*, *Ehr. Hor. Phys. Ber.* p. 10. Brazil (*M. J. B.*).
243. *P. (RESUPINATUS) OBLIQUUS*, *Fr. Epic.* p. 482.
On dead wood. Rio Javary (*Traill*, no. 101).
244. *P. (RESUPINATUS) BISTRATOSUS*, *B. & Cooke*. Effusus, umbrinus, contextu parcellissimo; poris stratosis punctiformibus.
On dead wood. Paricatuba; Rio Purus (*Traill*, no. 78).
Effused, rather rigid, umber, with very little subiculum; pores in two layers, very minute, punctiform.
Has the habit of *P. chromaticus*; but the pores are not oblique, and the colour is altogether different.
245. *P. (RESUPINATUS) CHROMATICUS*, *B. & Cooke*. Effusus, citrinus; poris obliquis, minutis, integris; contextu parco.
On dead wood. Prainha, Dec. 12, 1873 (*Traill*, no. 13).
Effused, resembling in habit *P. obliquus*, lemon-coloured or pale chrome-yellow; substance scarcely any; pores minute; mycelium bright yellow.
246. *P. (RESUPINATUS) CRYPTACANTHUS*, *Mont. Ann. des Sci. Nat.* sér. 4, v. 369.
On bark. Brazil.
247. *P. (RESUPINATUS) DEGLUBENS*, *Berk. in Hook. Journ.* (1856) 235.
On dead sticks. San Carlos (*Spruce*).
248. *P. (RESUPINATUS) CAVERNULOSUS*, *Berk. in Hook. Journ.* (1856) 235.
On dead branches. Panuré (*Spruce*, no. 204).
249. *P. (RESUPINATUS) CARNEOPALLENS*, *Berk. in Hook. Journ.* (1856) 235.
On dead trunks. Panuré (*Spruce*, no. 178).
250. *P. (RESUPINATUS) EVOLVENS*, *Berk. in Hook. Journ.* (1856) 253.
On dead wood. San Carlos (*Spruce*, no. 214).
251. *P. (RESUPINATUS) XYLOSTROMATOIDES*, *Berk. Hook. Lond. Journ.* ii. (1843) 638.
On rotten wood. Minas (*Gardner*).
252. *P. (RESUPINATUS) CORTICOLA*, *Fr. Epicr.* p. 488.
On dead sticks. Rio Purus (*Traill*, no. 110).
253. *TRAMETES FIBROSA*, *Fr. El.* p. 490; *Berk. in Hook. Journ.* (1856) 235.
On dead trunks. Panuré (*Spruce*, no. 201).

254. *TRAMETES HYDNOIDES*, *Fr. El.* p. 490; *Berk. in Hook. Journ.* (1856) 236, (1843) 638.
On dead wood. San Carlos (*Spruce*). Minas (*Gardner*). Caripi (*Spruce*). Gavião, Rio Jurua, Nov. 10, 1874; Camana, Nov. 4, 1874; Iripixy, Jan. 30, 1874 (*Traill*, nos. 115, 116, 61).
255. *T. ÆTHALODES*, *Mont. Ann. des Sci. Nat. sér. 4*, v. 370.
On trunks. Brazil (*Wedd.*).
256. *T. ACTINOPILUS*, *Mont. Ann. des Sci. Nat. sér. 4*, v. 370.
On trunks. Brazil.
257. *T. OCCIDENTALIS*. *Fr. Epicr.* i. 491; *Fr. Nova Symb.* 74; *Berk. Hook. Lond. Journ.* ii. (1843) 638.
On dead wood. Minas (*Gardner*). Brazil (*Fries*). Rio Negro (*Spruce*, nos. 29, 185). Rio Juruá, Oct. 28, 1874 (*Traill*, no. 121).
258. *T. RIGIDA*, *Berk. & Mont. Ann. des Sci. Nat.* 1849, 240.
Bahia.
259. *T. SCLERODEPSIS*, *Berk. in Hook. Journ.* (1856) 236.
On dead trunks. Panuré (*Spruce*, no. 167).
260. *T. SPRUCEI*, *Berk. in Hook. Journ. Bot.* (1856) 236.
On trunks. Panuré (*Spruce*, no. 166).
261. *T. LACTINEA*, *Berk. Ann. Nat. Hist.* x. 373.
Var. *poris minoribus*.
On dead wood. Rio Purus (*Traill*, nos. 55, 75, 81, 114).
No. 114 is a form with a thin, stipitate, slightly zoned pileus; like other white species, it is extremely variable.
262. *T. MARCHIONICA*, *Lév. (sub Polypora), Ann. Sci. Nat.* 1846, v. 300.
On dead wood (*Traill*, no. 113).
263. *T. MULLERI*, *Berk. Cuban Fungi*, no. 311.
Brazil (*M. J. B.*).
264. *T. VERSATILIS*, *Berk. Hook. Lond. Journ.* ii. (1843) 638.
On rotten tree. Minas (*Gardner*).
265. *DÆDALEA QUERCINA*, *Fr. Epicr.* i. 492.
Var. *STALACTIFORMIS*, *Mont. Ann. des Sci. Nat. sér. 4*, v. 370.
On trunks. Brazil (*Wedd.*)
266. *D. SANGUINEA*, *Fr. Epicr.* i. 495.
On dead wood (*Traill*, no. 14).
267. *D. SPRUCEI*, *Berk. in Hook. Journ.* (1856) 236.
On dead trunks. Panuré (*Spruce*, no. 41).

268. *HEXAGONIA (PLEUROPUS) GRACILIS*, Berk. in Hook. Journ. (1856) 237, t. v. fig. 4.
On the ground. Panuré (Spruce, no. 7).
269. *H. ERUBESCENS*, Berk. in Hook. Journ. (1856) 237.
On dead trunks. Panuré (Spruce, no. 40).
270. *H. VARIEGATA*, Berk. Ann. Nat. Hist. x. p. 280.
On dead wood. Rio Purus (Traill, no. 86).
271. *H. CORIACEA*, B. & Cooke. Dimidiata, coriacea, postice longe decurrens, pallide fulva; pileo demum rigido, zonato, radiato-rugoso, lineato, margine acuto; poris hexagonis, dentatis, parvis.
On dead wood. Teffé (Traill, no. 134).
An inch or more across, decurrent and attached behind; pileus with a few pale zones, marked with radiating raised lines and ridges; pores about $\frac{1}{50}$ in. across; edge of dissepiments thin and toothed.
Somewhat resembling on a small scale *H. rigida*, B., in which, however, the pores are $\frac{1}{12}$ inch across, and their margin quite entire.
272. *H. LEPRODES*, Fr.
On dead wood. Igarapé de Marapata. Rio Negro, Dec. 30, 1874 (Traill).
Traill's No. 10 is apparently a resupinate form of *H. leprodes*, Fr., a species from Costa Rica.
273. *FAVORUS SPRUCEI*, Berk. in Hook. Journ. (1856) 237, t. v. f. 8.
On dead wood. Rio Negro (Spruce, no. 117).
274. *F. BRASILIENSIS*, Fr. Epic. i. 498; Berk. Hook. Lond. Journ. ii. (1843) 638.
On rotten trunk. Minas (Gardner). Rio Tapajos (Traill, no. 132).
275. *F. TESSULATUS*, Mont. Syll. p. 171.
On dead wood. Rio Mauhes, May 1, 1874 (Traill, no. 133).
276. *F. MULTIPLEX*, Lév. Ann. Sci. Nat. 1844, ii. 203.
On dead wood. Lago Cerrado; Rio Jurua (Traill, no. 63).
277. *F. ALUTACEUS*, Berk. & Mont. Ann. des Sci. Nat. 1849.
On branches. Bahia (Blanchet).
278. *GLEOPORUS CONCHOIDES*, Mont. Syll. p. 173; Cuba, t. 15. f. 1.
On dead wood. Rio Mauhes, below the rapids, May 1, 1874 (Traill, no. 80).
Pure white.
279. *POROTHELIUM (PLEUROPUS) RUGOSUM*, Berk. in Hook. Journ. (1856) 237, t. ix. f. 2.
On decayed trunks. Panuré (Spruce, no. 44).

280. ? *FISTULINA ROSEA*, Mont. *Ann. des Sci. Nat.* sér. 4, v. 371.
On rotten wood. Brazil (*Wedd.*).
281. *HYDNUM FLAVUM*, Swartz.
On dead wood (*Traill*, no. 131).
282. *H. (RESUPINATUM) DISSITUM*, B. & Cooke. Orbiculare, secer-nibile, pallidum, margine brevi, byssoideo; aculeis acutis basi latiori-bus, interstitiis tomentosus.
On dead wood. Camana. Dec. 4, 1874 (*Traill*, nos. 76, 94).
Orbicular 1-1½ in. in diameter, at length laterally confluent, pinkish grey, margin short, byssoid; prickles scattered, acute, attenuated; inter-stices tomentose.
283. *IRPEX SPRUCEI*, Berk. in *Hook. Journ.* (1856) 238.
On the ground. Panuré (*Spruce*).
284. *GRAMMOTHELE POLYGRAMMA*, B. & C. *Cuban Fungi*, no. 360.
Brazil (*M. J. B.*).
285. *CRATERELLUS RUGICEPS*, B. & Cooke. Minutus, pileo flabelli-formi, luteo, sicco rugosissimo; stipite brevi cum pileo confluyente; hymenio lævi, cinnabarino.
On bamboo. Rio Solimões (*Traill*, no. 27).
Pileus 3-4 lines across, yellow, densely rugose when dry, flabelliform, confluent with the very short stem, which is dilated upwards, hyme-nium quite even, spores globose. Allied to *C. spathularia*, B. & C. Cuba, no. 367.
286. *CLADODERRIS DENDRITICA*, Pers. *Freye. Voy.* 176; Berk. in *Hook. Journ.* (1856) 273.
On decaying roots of *Alpinia*. Panuré (*Spruce*, no. 81). On wood. Uruçaca, Rio Jurua, Oct. 30, 1874 (*Traill*, no. 9, 112).
287. *THELEPHORA CAPERATA*, Berk. & Mont. *Ann. des Sci. Nat.* 1849, 241.
On trunks. Bahia (*Blanchet*).
288. *T. PILOSIUSCULA*, Mont. *Ann. des Sci. Nat.* sér. 4, v. 371.
On rotten trunks. Brazil (*Wedd.*).
289. *T. SUBCLAVÆFORMIS*, Berk. in *Hook. Journ.* (1856) 238.
On the ground. Panuré (*Spruce*).
290. *T. OCREATA*, Berk. in *Hook. Journ.* (1856) 239.
Amongst dead leaves. Panuré (*Spruce*, no. 11).
291. *T. TRACHODES*, Berk. in *Hook. Journ.* (1856) 239.
On the ground. Panuré (*Spruce*, no. 153).
292. *T. ACTINIÆFORMIS*, Berk. in *Hook. Journ.* (1856) 239.
Rio Negro (*Spruce*, no. 155).

293. *THELEPHORA PROLIFERA*, *Berk. in Hook. Journ.* (1856) 272.
On roots of trees. Rio Negro (*Spruce*, no. 17).
294. *LACHNOCLADIUM BRASILIENSE*, *Lév. Ann. Sci. Nat.* (1846) 159.
Brazil (*Lév.*).
295. *L. FURCELLATUM*, *Lév. Ann. Sci. Nat.* (1846) 159.—*Clavaria furcellata*, *Berk. in Hook. Journ.* (1856) 275.
Brazil (*M. J. B.*); Para, Mar. 6, 1875 (*Traill*, no. 128); Panuré (*Spruce*).
296. *L. RETICULATUM*, *B. & Cooke*. *Dichotomum*, ramis divaricato-reticulatis, stipite brevissimo.
On the ground. Rio Jurua, Nov. 17, 1874 (*Traill*, no. 127).
Forming tufts scarcely an inch high, stem very short, $\frac{1}{4}$ inch high, branched dichotomously at once.
297. *L. TUBULOSUM*, *Lév.* (*Clavaria tubulosa*), *Fr. Ep.* i. 576; *Berk. in Hook. Journ.* (1856) 275.
Panuré (*Spruce*, no. 158).
298. *STEREUM (MESOPUS) HYDROPHORUM*, *Berk. in Hook. Journ.* (1856) 273, t. vi.
On the ground. Rio Uaupés (*Spruce*, no. 80).
299. *S. CYATHIFORME*, *Fr. Ep.* 545; *Berk. in Hook. Lond. Journ.* ii. (1843) 638.
Goyaz (*Gardner*).
300. *S. (MESOPUS) ELEGANS*, *Fr. Epic.* i. 545; *Berk. in Hook. Journ.* (1856) 273.
On trunks. Panuré (*Spruce*, nos. 174, 13); Rio Purus (*Traill*, no. 87).
301. *S. (MESOPUS) NITIDULUM*, *Berk. in Hook. Lond. Journ.* ii. (1843) 638.
On rotten sticks. Goyaz (*Gardner*).
302. *S. (MESOPUS) ELEVATUM*, *B. & Cooke*. Pileo cyathiformi, zonato, castaneo, subtiliter velutino; stipite elongato, irregulari, rugoso, pulverulento; hymenio striatulo, leviter zonato, pallido.
On dead wood. Rio Jurua (*Traill*, no. 130).
Pileus 1 inch across, $\frac{3}{4}$ inch high, zoned, chestnut, minutely velvety, stem 4 inches high, $\frac{1}{4}$ inch thick, dilated and grooved at the apex, where it becomes of a deep bay, more umber below.
303. *S. (MESOPUS) ALUTACEUM*, *B. & Cooke*. Pusillum, cæspitosum, alutaceum; pileo infundibuliformi, lineato-striato, stipite gracili.
On dead wood. Rio Mauhes, below rapids (*Traill*, no. 49).
About half an inch high including the stem, buff, infundibuliform, finely striate, stem $\frac{3}{4}$ inch high, slender, dilated above into the pileus.
304. *S. (MESOPUS) RAVENELII*, *B. & C.*
On dead wood. Obydos, Feb. 1874 (*Traill*, nos. 41, 42, 44).

305. STEREUM (PLEUROPUS) NEPHRODES, *Mont. Ann. des Sci. Nat.* sér. 4, v. 371.
On trunks. Brazil (*Wedd.*).
306. S. (PLEUROPUS) OBLIQUUM, *M. & B.*
On dead wood. Lago Cerrado, Rio Jurua, Oct. 30, 1874 (*Traill*, nos. 46, 48).
307. S. (PLEUROPUS) FISSUM, *Berk. in Hook. Journ. Bot.* (1856) 273.
On dead twigs. Panuré (*Spruce*, no. 27).
308. S. (PLEUROPUS) PARTITUM, *B. & Br., Ceylon*, no. 588.
On dead wood (*Traill*, no. 162). Trombetas.
309. S. (PLEUROPUS) SPATHULATUM, *Berk. in Hook. Journ. Bot.* (1856) 274.
On wood. Rio Negro (*Spruce*, no. 175).
310. S. PAPYRINUM, *Mont. Cub.* 374.
Brazil (*M. J. B.*).
311. S. MELALEUCUM, *Mont. Ann. des Sci. Nat.* sér. 4, v. 371.
On trunks. Brazil (*Wedd.*).
312. S. LOBATUM, *Kze. Berk. in Hook. Journ.* (1856) 274.
On sticks. Para (*Traill*, no. 103); Rio Negro (*Spruce*, no. 69).
313. S. SPRUCEI, *B. Cuban Fungi*, no. 395.
River Amazon (*Spruce*).
314. S. GALEOTTII, *Berk. in Hook. Journ.* (1851) 15.
Caripi (*Spruce*); Vera Cruz (*Galeotti*); Xalapa (*Harries*).
315. S. STRIATUM, *Fr.*
On sticks. Para (*Traill*, no. 104).
316. S. SCYTALE, *Berk. in Hook. Journ.* (1854) 170.
Brazil (*M. J. B.*).
317. S. (RESUPINATUM) ALLICIENS, *B. & Cooke.* Resupinatum, arcte adnatum, læte ochraceum, glaberrimum, læve; margine angustissimo, pallidiore, tomentoso.
On sticks. San Antonio da boa vista, Rio Javary (*Traill*, no. 1).
Forming patches some inches long, originally orbicular bright ochre, very smooth, even; margin very narrow, paler, tomentose.
318. HYMENOCHÆTE DAMÆCORNIS, *Lév. Ann. Sci. Nat.* 1846; *Berk. & Curt. Fungi Cub.*; *Hook. Journ.* (1856) 273.—*Stereum damæcorne*, *Fr. Ep.* i. 546.
On decayed trunks. Brazil (*M. J. B.*); Panuré (*Spruce*, no. 24).
319. H. RENIFORME, *Fr. Ep.* i. 546; *Berk. in Hook. Journ.* (1856) 273; *Fr. Nova Symb.* 93.
On the ground. Rio Negro (*Spruce*, no. 25); Brazil (*Fries*).

320. *HYPOLYSSUS MONTAGNEI*, Berk. in Hook. Journ. (1851) p. 16, vol. i. p. 139, t. 6. fig. 1, (1856) p. 274.

On twigs. Caripi (Spruce); Panuré (Spruce, no. 70).

321. *DICTYONEMA MEMBRANACEUM*, Ag. Berk. in Hook. Journ. (1851) p. 16.

Caripi (Spruce).

322. *D. SERICEUM*, Mont. Bél. Voy. 155; Berk. in Hook. Lond. Journ. ii. (1843) 639 (Gardner).

323. *HYPOCHNUS NIGROCINCTUS*, Ehr. Hor. Phys. Ber. 85; Berk. in Hook. Journ. (1851) 16.

Caripi (Spruce).

324. *H. RUBROCINCTUS*, Ehr. Hor. Phys. Ber. p. 85; Berk. & Curt. Cub. Fungi, no. 456.

Brazil (M. J. B.).

325. *H. ALBOCINCTUS*, Mont. Ann. des Sci. Nat. viii. 361; Berk. in Hook. Journ. (1851) 16.

Caripi (Spruce).

326. *GUEPINIA SPATHULARIA*, Fr. Ep. i. 566; Berk. & Curt. Cuban Fungi, no. 449.

Brazil (M. J. B.); Obydos (Traill, 40).

327. *G. FISSA*, Berk. in Hook. Journ. (1856) 275.

On dead wood. Panuré (Spruce).

328. *G. DILATATA*, Berk. in Hook. Journ. (1856) 274, t. x. f. 4.

On wood. Panuré (Spruce, no. 82).

329. *LASCHIA TREMELLOSA*, Fr. in Linn. v. 533; Berk. in Hook. Journ. (1856) 237.

On dead trunks. Panuré (Spruce, no. 83).

330. *L. RETICULATAM*, B. & Cooke. Omnino sessilis, conchiformis, translucens; pileo reticulato, poris hexagonis.

On dead wood. Juruapuca, Oct. 28, 1874 (Traill, no. 47).

Pileus $\frac{1}{8}$ inch across, pores about $\frac{1}{60}$ inch, substance so thin as to make the pileus regularly reticulate from the translucence of the dissepi-ments.

331. *AURICULARIA LOBATA*, Fr. Epic. i. 555; Berk. in Hook. Journ. (1856) 274.

On dead wood. Panuré (Spruce, no. 12).

332. *CLAVARIA DELICIA*, Berk. in Hook. Journ. (1856) 274.

On dead leaves &c. Panuré (Spruce, no. 161).

333. *C. CIRRHATA*, Berk. in Hook. Journ. (1856) 275, t. v. f. 5.

On the ground. Rio Negro (Spruce).

334. *CLAVARIA DEALBATA*, Berk. in Hook. Journ. (1856) 275.
On the ground. Panuré (Spruce, no. 159).
335. *C. CONNATA*, Berk. in Hook. Journ. (1856) 275.
On shady ground. Panuré (Spruce, no. 10).
336. *C. CRISPULA*, Fr. Ep. 576; Berk. in Hook. Journ. (1856) 276.
Panuré (Spruce, no. 160, 162).
337. *C. SPRUCEI*, Berk. in Hook. Journ. (1856) 276.
On decayed trunks. Panuré (Spruce, no. 26).
338. *C. PANURENSIS*, Berk. in Hook. Journ. (1856) 276.
On the ground. Panuré (Spruce, no. 156).
339. *C. FUSCO-LILACINA*, Berk. in Hook. Journ. (1856) 276.
On sandy ground. Panuré (Spruce, no. 152).
340. *C. SUBULATA*, B. & Cooke.
Simplex, insititia, filiformis, subulata, subtiliter pruinosa.
On the midrib of dead leaves. Rio Jurua (Traill, no. 172).
About half an inch high, filiform, rather translucent, pale umber when dry, sprinkled with minute white meal.
341. *C. VERPIFORMIS*, B. & Cooke.
Minuta, alba; stipite brevissimo, basi dilatata; capitulo glanduliformi-rugoso.
On dead bark. Rio Jurua (Traill, no. 180).
Very minute, about a line high, white; stem short, cylindrical, dilated at the base; head acorn-shaped, resembling that of some *Verpa* in miniature.
342. *C. SCABRA*, Berk. in Hook. Journ. (1856) 276.
On the ground. Panuré (Spruce, no. 157).
343. *C. CORNEA*, Fr.
On decayed wood. Barreiras de Jutahy Rio Solimões (Traill, no. 168).
344. *C. RUBRA*, B. & Cooke.
Læte rubra, furcata, apicibus acutis; stipite deorsum attenuato.
In forests on logs. Trombetas (Traill, no. 25).
About 1½ inch high, magenta-red, stem ½ inch, attenuated below, forked twice, tips acute.
345. *TYPHULA TRAILLII*, B. & Cooke.
Translucens, firma; stipite elongato; capitulo oblongo.
On vascular bundles of *Attalea compta*. Rio Madeira (Traill, no. 174).
A larger species than *T. gyrans*, and apparently much firmer; the colour in the dried specimens is yellow; but the original colour was probably white. There is a small *Pistillaria* on twigs (Rio Jurua, Traill, no. 171); but without notes it cannot safely be distinguished.

346. *PTERULA PLUMOSA*, Fr.; Berk. in Hook. Journ. ii. (1843) 642.
Clay banks. Maranham (Gardner).
347. *TREMELLA FUCIFORMIS*, Berk. in Hook. Journ. (1856) 277.
On trunks. Panuré (Spruce, no. 9).
348. *T. LUTESCENS*, Fr. Ep. p. 588; Berk. in Hook. Journ. (1856) 277.
On trunks. Panuré (Spruce, no. 151).
349. *T. PULVINULUS*, B. & Cooke. Gregaria, pallide lutea, parva, pulviniformis, demum confluens.
On dead wood. Rio Purus (Traill, no. 164).
About 1 line in diameter, cushion-shaped, at length confluent, pale yellow; conidia very minute.
350. *HIRNEOLA PROTRACTA*, Lév. (sub *Exidia*), Ann. Sci. Nat. Oct. 1844, p. 218; Berk. in Hook. Journ. (1856) 277.
On dead wood. Panuré (Spruce, no. 84).
351. *H. AURIFORMIS*, Fr. Fungi Nat. p. 26; Berk. & Curt. Cub. Fungi. Brazil (M. J. B.).
352. *H. POLYTRICHA*, Fr. Fungi Nat. p. 26.
(*Exidia polytricha*, Mont.)
Brazil (M. J. B.).
353. *H. HISPIDULA*, B. Ann. Nat. Hist. iii. 396.
Urupa, Rio Mauhes (Traill, no. 167).
354. *H. AURICULA JUDÆ*, Fr.—*Exidia auricula* Judæ, Berk. in Hook. Journ. (1856) 277.
On half-decayed trunks. Panuré (Spruce, no. 18); Rio Purua (Traill).
355. *H. EXIMIA*, B. & Cooke. Pusilla; pileo tenui, orbiculari, lobato; margine ciliato; stipite gracili, deorsum incrassato hispidulo.
On dead wood. Lago Cerrado, Rio Jurua, Oct. 30, 1874 (Traill, no. 28).
Pileus about $\frac{1}{2}$ inch across below; margin ciliated; stem $\frac{1}{2}$ inch high, hispid, dilated downwards, springing from an orbicular hispid disk.
356. *NEMATelia CORTICOLA*, B. & Cooke. Parva, pallide aurantiaca, erumpens, e basi plana candida oriunda.
On stringy bark. Rio Purua (Traill, no. 165).
Bursting through the bark from a white flat base, pale orange, very soft; spores oblong-elliptic $\frac{1}{750}$ inch long, $\frac{1}{1500}$ — $\frac{1}{2000}$ inch broad. On the same matrix deep violet spots occur which stain the spores of the same colour. They look at first sight most like *Corticium cæruleum*, but are probably of animal origin.
357. *CYCLODERMA WEDDELLII*, Mont. Ann. des Sci. Nat. sér. 4, v. 373.
Brazil.

358. *CYATHUS MONTAGNEI*, *Tul. Ann. Sci. Nat.* (1844) 70; *Berk. & Curt. Cub. Fungi*.
Brazil (*M. J. B.*).
359. *C. MICROSPORUS*, *Tul. l. c.* p. 73.
Rio Janeiro (*Tul.*).
360. *C. LIMBATUS*, *Tul. Ann. Sci. Nat.* 1844, sér. 3, i. 78; *Berk. in Hook. Journ.* (1856) 278.
On semiputrid *Alpinia*. Panuré (*Spruce*, no. 148); *Traill* (nos. 38, 68).
361. *C. PLICATUS*, *Tul.* (*Nidularia plicata*), *Fr. in Linn.* v. 553; *Berk. in Hook. Lond. Journ.* ii. (1843) 639.
On dry banks. Organ Mountains (*Gardner*).
362. *GEASTER SACCATUS*, *Fr. Sys.* iii. 16; *Berk. & Curt. Cub. Fungi*.
Brazil (*M. J. B.*).
363. *G. FIMBRIATUS*, *Fr. Syct. My.* iii. 16; *Berk. in Hook. Journ.* ii. (1843) 639.
Rio Janeiro (*Gardner*); Brazil (*Traill*, no. 34).
364. *SCLERODERMA STELLATUM*, *Berk. in Hook. Journ.* (1856) 278.
On the ground. Panuré (*Spruce*).
Traill's no. 45 (Rio Solimoes) is a *Lycoperdon* too young to determine.
365. *LYCOPERDON ASTROCARYI*, *B. & Cooke*. Sessile, globosum, brunneum, granulatum, capillitio sporisque lævibus pallide lilacinis.
On petioles of *Astrocaryum*. Pupanha (*Traill*, no. 20).
Globose, sessile, rough with brown granules $\frac{1}{4}$ — $\frac{1}{2}$ inch in diameter; capillitium and globose even spores very pale lilac.
366. *HIPPOPERDON CRUCIBULUM*, *Mont. Ann. des Sci.* Feb. 1842; *Berk. in Hook. Journ.* ii. (1843) 640.
Minas (*Gardner*).
367. *LYCOGALA EPIDENDRUM*, *Fr. Sys. Myc.* iii. p. 80.
Rio Jurua (*Traill*, no. 31).
368. *DIDYMIUM FARINACEUM*, *Fr. Sys. Myc.* iii. 119.
On leaves. Resaca, Rio Jurua, Nov. 1874 (*Traill*, no. 37).
369. *CRATERIUM LEUCOSTICTUM*, *Fr. Sys. Myc.* iii. 151.
On dead leaves. Rio Purus (*Traill*, no. 169).
370. *STEMONITIS FUSCA*, *Roth; Fries, Sys. Myc.* iii. 157.
Rio Purus (*Traill*, no. 30).
371. *ARCYRIA PUNICEA*, *Pers. Fr. Sys. Myc.* iii. 177.
On rotten wood. Rio Jurua, Passumba (*Traill*, nos. 18, 33).
372. *A. CINEREA*, *Schum.; Fries, Sys. Myc.* iii. 180.
Rio Jurua (*Traill*, no. 32).

373. *ASCHERSONIA CUBENSIS*, Berk. & Curt. *Cuban Fungi*, no. 557. Brazil (M. J. B.).
374. *ASCHERSONIA OXYSPORA*, Berk. in Hook. *Journ.* (1856) 278. On dead leaves. San Carlos (Spruce).
375. *CERATIUM HYDNOIDEUM*, A. & S. On decayed wood. Passumba, Nov. 5, 1874 (Traill, no. 163).
376. *STILBUM STROMATICUM*, Berk. in Hook. *Journ.* ii. (1843) 642. On a rotten tree. Minas Geraes (Gardner).
377. *MYCOGONE SPHÆROPHORA*, Berk. in Hook. *Journ.* (1856) 278. On gills of some Agaric. Rio Uaupés (Spruce, no. 96).
378. *CLADOSPORIUM HERBARUM*, Link, Berk. in Hook. *Journ.* ii. (1843). On *Leuzites applanata*. Minas Geraes (Gardner).
379. *ANTENNARIA PANNOSA*, Berk. in Hook. *Journ.* ii. (1843) 640, t. xxiii. fig. 1. On leaves of *Pogopetalum*. Prov. Goyaz (Gardner).
380. *SPHÆRONEMA EPICECIDIUM*, Berk. in Hook. *Kew Gard. Misc.* i. 291, t. x. B; Hook. *Journ.* (1851) 18. On galls. Caripi (Spruce); Para (Sir E. Home).
381. *ÆCIDIUM PALUSTRE*, Mont. *Ann. des Sci. Nat.* sér. 4. v. 375. On leaves of *Polygala*. Brazil.
382. *PUCCINIA ARANJA*, Lév. *Ann. des Sci. Nat.* sér. 3, iii. 69. On leaves of *Araujia*. Brazil (Lév.).
383. *TORRUBIA UNILATERALIS*, Tul. *Fung. Carp.* iii. p. 18. On *Formica* (Traill, no. 24).
384. *T. SPHINGUM*, Tul. *Fung. Carp.* iii. p. 12.—*Isaria sphingum*, Schwein. *Syn. Cat.* no. 1298. On Orthopterous insects (Traill, no. 239). On Lepidoptera, São Paulo.
385. *T. BICEPHALA*, Berk. in Hook. *Journ.* (1856) 278 (sub *Cordicipite*). Panuré (Spruce).
386. *NECTRIA COCCINEA*, Fr. Apparently, but without fruit. Rio Purus (Traill, no. 179).
387. *N. EPISPHERICA*, Fries, *S. Myc.* ii. 454. On *Xylaria clavus*. Villa Bella (Traill, no. 176).
388. *SPHÆROSTILBE CINNABARINA*, Tul. *Sel. Fung. Carp.* iii. 130. On fruit of *Tucuma* (Traill, no. 19).
389. *S. LATERITIA*, Berk. & Curt. *Cuban Fungi*, no. 764.—*Stilbum lateritium*, Berk. in Hook. *Journ.* ii. (1843) 642. On sticks. Brazil (M. J. B.); Maranham (Gardner).
390. *XYLARIA GRAMMICA*, Lév. *Ann. des Sci. Nat.* sér. 3, v. 256 (sub *Sphæria*). On trunks. Bahia (Blanchet).

391. *XYLARIA ALLANTOIDEA*, Berk. *Ann. Nat. Hist.* (1839) 397.
Brazil (*M. J. B.*).

392. *X. HYPERYTHRA*, Mont. *Ann. des Sci. Nat.* 1840; Berk. in Hook. *Journ.* (1856) 279.

On decayed trunks. Panuré (*Spruce*, no. 143).

393. *X. DEALBATA*, B. & C. *Journ. Ac. Sci. Phil.* ii. 234; Berk. in Hook. *Journ.* (1856) 279.

On decayed trunks. Panuré (*Spruce*, no. 145).

394. *X. PALLIDA*, B. & Cooke. Suberosa, claviformis, simplex, pallida. Clavula cylindracea, apice subacuminato; stipite gracili, ad basin discoideo; sporidiis cymbiformibus, fuscis.

On sticks. Papunha, Nov. 5, 1873 (*Traill*, no. 21).

About 1-1½ inch high, stem half the length, slender, dilated and discoid at the base, head cylindrical, usually acuminate at the apex, pallid ostiola punctiform, minute, black; sporidia 0.15 × 0.05 millim.

395. *X. RHOPALOIDES*, Kze. *Weig. Exs.*; Berk. in Hook. *Journ.* (1856) 279.

On dead trunks. Panuré (*Spruce*, no. 76).

396. *X. SCOPIFORMIS*, Mont. *Ann. Sci. Nat.* 1840, xiii. p. 349; B. & C. *Cuban Fungi*, no. 801.

On stumps (*Traill*, nos. 139, 150).

There are also several other *Xylariæ* in a barren state (nos. 137, 138, 140, 143, 146, 147, 148, 149, 155, 158) in the Traill collection.

397. *X. INÆQUALIS*, B. & C. *Cuban Fungi*, no. 805.

On dead sticks. Rio Jurua (*Traill*, no. 144).

398. *X. GUEPINI*, Fr. *El.* ii. 58.

Brazil (*Fries*).

399. *X. DIGITATA*, Fr. *Sys. Myc.* ii. 326.

Pussumba (*Traill*, nos. 145, 153).

400. *X. POLYMORPHA*, Pers. *Syn.* p. 7; Berk. in Hook. *Journ.* (1856) 279.

On dead wood. Panuré (*Spruce*, nos. 141, 142, 144).

401. *X. CONOCEPHALA*, B. & C. *Cuban Fungi*, no. 780.

On wood. Barcellos (*Traill*, no. 152).

402. *X. HYPOXYLON*, Fr. (*Sphæria*, Ehr.), Berk. in Hook. *Journ.* ii. (1843) 639.

Old wood. Goyaz (*Gardner*).

403. *X. IANTHINO-VELUTINA*, Mont. *Syll.* p. 204.

On woody legumes. Obydos (*Traill*, no. 136).

404. *X. FILIFORMIS*, A. & F. *Consp.* p. 2.

On leaves (*Traill*, no. 159).

405. *XYLARIA APEIBÆ*, Mont. *Syll.* p. 205.

On fruit of Apeiba. Obydos (*Traill*, no. 156).

406. *X. MARASMOIDES*, B. & Cooke. Sparsa, stipite setaceo penetrante; capitulo globoso primum dealbato, dein secundum perithecia condita fisso.

On bark. Capana, Oct. 3, 1874 (*Traill*, no. 43). Stem scarcely $\frac{1}{4}$ inch high, slender, setiform, penetrating with a small collar at the apex; head $\frac{1}{2}$ line in diameter, soon splitting up. A smaller species than *X. aristata*, from which it differs in the ostiola not being prominent and the whole head splitting up into separate frustules.

407. *X. ABNORMIS*, Berk. in Hook. *Journ.* (1856) no. 279.

On dead wood. Panuré (*Spruce*).

408. *THAMNOMYCES FUCIFORMIS*, Berk. in Hook. *Journ.* (1856) 280.

On decayed trunks. Panuré (*Spruce*, no. 150).

409. *T. CHAMISSONIS*, Ehr. *Hor. Phys. Ber.* 79, t. 17. f. 1; Berk. in Hook. *Journ.* (1851) 17.

Brazil (*Spruce*).

410. *T. ROSTRATUS*, Mont. *Ann. Sci. Nat.* 1840; Berk. in Hook. *Journ.* (1856) 280.

On rotten trunks. Panuré (*Spruce*, no. 163).

411. *HYPOXYLON CLAVUS*, Fr. in Linn. v. p. 543 (sub *Sphæria*); Berk. in Hook. *Journ.* (1856) 280.

On dead bark. Panuré (*Spruce*); Brazil (*M. J. B.*); Villa Bella (*Traill*, no. 175).

412. *H. CÆNOPUS*, Mont. *Cub.* p. 341; Berk. & Curt. *Cub. Fungi.* Brazil (*M. J. B.*).

413. *H. MICROPUS*, Fr. in Linn. v. 542; Berk. & Curt. *Cub. Fungi.* Brazil (*M. J. B.*).

414. *H. WRIGHTII*, B. & C. *Cuban Fungi*, no. 168.

On dead wood. (*Traill*, no. 16). No. 64 (*Traill*) is apparently an imperfect *Hypoxylon* with somewhat the habit of *Panus stypticus*.

415. *H. OBOVATUM*, Mont., Berk. in Hook. *Journ.* (1851) 17.

On bark. Caripi (*Spruce*).

416. *H. LEPRIEURII*, Mont. *Ann. des Sci. Nat.* i. 352; Berk. in Hook. *Journ.* (1851) 17.

On bark. Caripi (*Spruce*).

417. *DOTHIDEA GRANULOSA*, Lév. *Ann. des Sci. Nat.* sér. 3, v. 264. On leaves of *Vohiria*. Brazil (*Vauthier*).

418. *D. MYRCIÆ*, Lév. *Ann. des Sci. Nat.* sér. 3, v. 264.

On leaves of *Myrcia*. Brazil (*Claussen*).

419. *SPHÆRIA COCCODES*, *Lév. Ann. des Sci. Nat.* sér. 3, iii. 50.
On leaves of Leguminosæ. Brazil (*Lév.*).
420. *SPHÆRELLA NITIDULA*, *Lév. Ann. des Sci. Nat.* sér. 3, iii. 54.
On leaves of *Melastoma*. Brazil (*Lév.*).
421. *CORDIERITES SPRUCEI*, *Berk. in Hook. Journ.* (1856) 280, t. x.
f. 5.
On decayed trunks. Panuré (*Spruce*, no. 85).
422. *ASTERINA MELASTOMATIS*, *Lév. Ann. des Sci. Nat.* sér. 3, iii.
59.
On leaves of *Melastoma*. Brazil (*Lév.*).
423. *MICROPELTES MARGINATA*, *Mont. Syll.* p. 245.
On palm-leaves. Upper Amazon (*Traill*).
424. *M. APPLANATA*, *Mont. Cuba*, p. 325; *Berk. in Hook. Journ.*
(1851) 18.
Caripi (*Spruce*).
425. *MELIOLA AMPHITRICA*, *Fr. El.* ii. p. 109.
On leaves of *Bactris*. Upper Amazon (*Traill*).
426. *M. ? PENICILLATA*, *Lév. Ann. des Sci. Nat.* sér. 3, v. 266.
On trunks. Brazil (*Dupré*).
427. *PARMULARIA STYRACIS*, *Lév. Ann. des Sci. Nat.* sér. 3, v. 287.
On leaves of *Styrax*. Brazil (*Claussen*).
428. *DEPAZEA MAPPA*, *Berk. in Hook. Journ.* (1851) 18, t. 1. f. 3.
On leaves of some unknown plant. Caripi (*Spruce*).
429. *PEZIZA HINDSII*, *B. in Hook. Journ. Bot.* 1842, p. 456.
Rio Purus (*Traill*, no. 84).
430. *P. TRICHOLOMA*, *Mont. Syll.* 184.
On rotten wood. Rio Janeiro (*Gaudichaud*).
431. *P. (TAPESIA) HERPOTRICA*, *Berk. in Hook. Journ.* (1851) 16,
t. 1. f. 2.
On living leaves. Caripi (*Spruce*).
432. *P. (MOLLISIA) CINEREA*, *Batsch. Berk. in Hook. Journ.* (1851)
16.
Tanau (*Spruce*).
433. *P. (MOLLISIA) VINOSA*, *A. & S. Consp.* p. 308.
On rotten wood (*Traill*, no. 177).
434. *CHLOROSPENIUM BRASILIENSE*, *B. & Cooke. Æruginosum*,
cupula turbinata demum expansa, stipite brevi æquali. Ascis cylin-
draceis ($\cdot 045 \times \cdot 002$ millim.); sporidiis linearibus ($\cdot 003$ – $\cdot 004$ millim.
longis); paraphysibus filiformibus.
On wood. Rio Tapajoz (*Traill*, no. 29).



Berkeley, M. J. and Cooke, M. C. 1876. "The fungi of Brazil, including those collected by J.W.H. Trail." *The Journal of the Linnean Society. Botany* 15, 363–398.

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