

one of these plants, which belonged to the subspecies *Bertolonii*, Mor., at the base of the column of the monstrous flower, which was prolonged below the stigmatic cavity, three distinct spots served to mark the position of the three nerves or bundles of spiral vessels, of which the two lateral ones belong to the missing stamens, and the central one to the mid nerve of the labellum. At fig. 3 I have given a sketch of this flower, which was the lowest on its spike, but not placed in the axil of its bract. Dr. Masters \* mentions several instances of similar modifications, which appear to be not uncommon in Orchidaceæ; but I do not find any allusion to the presence of three spots at the base of the column which serve to illustrate the position of the spiral vessels traced by Mr. Darwin in the labellum. These spots were entirely superficial.

#### DESCRIPTION OF THE PLATE.

Fig. 1, abnormal flower of *Serapias lingua*, L., of the natural size; fig. 1 *a*, upper sepal; 1 *b* and 1 *c*, semilabelliform lateral sepals; 1 *d*, labellum; 1 *e* and 1 *f*, petals; 1 *g*, the column; 1 *h*, basal portions of the lateral sepals and of the labellum, the column having been removed so as to show the course of the three groups of spiral vessels which enter the labellum, and of their branches which supply the lateral sepals: figs. 1 *a* to 1 *h*, all magnified.

Fig. 2, normal flower of *S. lingua*, L., of the natural size; 2 *a*, lateral sepal of the same, slightly magnified.

Fig. 3, abnormal flower of subsp. *Ophrys Bertolonii*, Mor., of the natural size.

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The Fungi of Ceylon. By the Rev. M. J. BERKELEY, M.A., F.L.S., and C. E. BROOME, Esq., F.L.S. (Hymenomycetes, from *Agaricus* to *Cantharellus*.)

[Read June 16, 1870.]

The materials in our possession, beside others to which we have access, are very considerable. We possess almost a complete set of those which were collected by the late Dr. Gardner; those transmitted by Mr. Thwaites comprise more than twelve hundred numbers, above three hundred of which have been beautifully figured; while those of Dr. König, preserved in the British Museum, have already been described by one of us in the 'Annals of Natural History.' Any general observations on the Fungi of Ceylon had better be reserved till we have had the whole collec-

\* 'Teratology,' p. 398 (Meiophylly of the Corolla).

tion under review; but meanwhile, as far as regards the species described in this first notice, it will at once be remarked how closely the Agarics, which comprise 302 species, resemble those of our own country. Though many species do not seem to be identical, still we have frequently had great difficulty in accurately estimating the difference. It is singular that every one of the subgenera of Fries is represented, though the number of species in one or two is greatly predominant. *Lepiota* and *Psalliota* alone comprise one-third of the species, while *Pholiota*, which one might expect to be well represented, offers only a single obscure species. It has frequently been a matter of doubt whether particular species should be referred to *Lepiota* or *Psalliota*, since the colour of the spores sometimes changes in drying with the rest of the plant. We have therefore been obliged to be guided by what we know of European species, having merely drawings and dried specimens to help us. If, therefore, we have in this case committed any errors, they must be left to the reconsideration of Ceylon botanists with fresh specimens before them. As the drawings will hereafter be returned to Ceylon, careful copies being reserved for this country, there will be no want of materials for the purpose. The figures have been made, under the superintendence of our indefatigable friend Mr. Thwaites, by a native artist (Mr. De Alwis), and are admirable, both as to execution and details. Indeed it would be difficult to point out any which so completely satisfy the most stringent requirements, with the single exception of microscopical matters, which, in most cases, we have been able to supply. Exception, perhaps, may be taken to so many of the specific names being derived from the Greek; but in such an enormous genus the great point was to avoid the danger of using terms which are already appropriated, a matter of extreme difficulty even with the help of the best published lists. It will be well, indeed, if we have not sometimes suffered wreck on a rock nearer home. Specimens of a few of the more striking drawings have already been laid before the Society; and it is a matter of regret that it is simply impossible to publish the whole series. The copies, however, will ultimately be deposited in the library at Kew.

1. *AGARICUS (AMANITA) HEMIBAPHUS*, *B. & Br. in Linn. Tr.* xxvii. p. 149, tab. 33 a. (No. 700.)

On the ground. Peradeniya. Sept. 1868. Spores '0003'-'0004' long by '0002' wide\*.

2. *A. (AMANITA) VAGINATUS*, *Bull.* (No. 777 mixed with some *Volvaria*, cum icone.)

On the ground. Peradeniya. Aug. Sept. 1868.

No. 719 is a slate-coloured variety.

3. *A. (AMANITA) ANOMOLOGUS*, *B. & Br.* Pileo convexo umbonato glabro stipiteque e farcto cavo glutine hyalino (volva universali) ob-sitis; lamellis angustis adnexis (no. 1296, cum icone).

On the ground. Jan. 30, 1869.

Pileus  $1\frac{1}{2}$  inch across, cinerous, strongly and obtusely umbonate, clothed, as is the straight stuffed stem, with transparent mucilage; stem 3 inches high,  $1\frac{1}{2}$ -2 lines thick, slightly attenuated upwards; gills 1 line broad, white, arched, free, or only slightly adnexed.

Apparently a debased *Amanita* analogous to one of those in the last section of Fries, approaching *Lepiota*.

4. *A. (LEPIOTA) PROCERUS*, *Scop. Carn.* 418; *Gardner*, no. 99.

On the ground in shady places. Peradeniya. Sept. 1844.

5. *A. (LEPIOTA) DOLICHAULOS*, *B. & Br. in Linn. Tr.* xxvii. p. 150. (No. 706, 694, cum icone.)

Amongst grass. Peradeniya. July 1868, Jan. 1869.

6. *A. (LEPIOTA) CONTINUUS*, *B. in Lond. Journ. Bot.* vi. p. 480; *Gardner*, no. 29.

On the ground in shady places. Peradeniya. June 1844. Spores '0005' long.

7. *A. (LEPIOTA) ONCOPUS*, *B. & Br.* Albus; pileo e digitaliformi convexo subcarnoso verrucis minutis exasperato, margine crenato; stipite podagroso verrucoso farcto; lamellis ventricosis postice attenuatis remotis (no. 792, cum icone).

On the ground. Peradeniya. Nov. 1868.

White; pileus 5 inches across, at first digitaliform, obtuse, then expanded, broadly umbonate, clothed with minute warts; flesh rather thick, except toward the crenate margin; stem 5 inches or more high, gouty below, clothed, especially above, with little superficial warts, stuffed; ring ample, torn; gills nearly  $\frac{1}{2}$  an inch wide, ventricose, attenuated behind; spores very pale yellow, oblong, '00045' long; mycelium delicate, white.

*A. continuus* may possibly prove to be a wartless form of this species.

\* The decimals in this paper are all parts of an English inch.

8. A. (*LEPIOTA*) *ZEYLANICUS*, *B. Lond. Journ. Bot.* vi. p. 480; *Gardner*, no. 15; *Thwaites* (no. 37).—A. *theloides*, *B. & Br. in Tr. Linn. Soc.* xxvii. p. 150. (No. 688, cum icone.)

In shady places on the ground. Peradeniya. June 1844. *Gardner*, July, Sept. 1868; *Thwaites*. Spores subglobose, '0003'–'0005' long.

9. A. (*LEPIOTA*) *SUBCLYPEOLARIUS*, *B. & C. in Journ. Linn. Soc.* x. p. 283. (No. 37 in part.)

On the ground. Peradeniya, Nov. 1867, July 1868. Spores '0003' long.

10. A. (*LEPIOTA*) *RUBRICATUS*, *B. & Br.* Pileo e campanulato plano-convexo obtuso vel umbonato, margine sulcato parce squamuloso; stipite subæquali, lamellis distantibus postice attenuatis approximatis (no. 37, cum icone).

On the ground. Peradeniya, Sept. Nov. 1868.

Pileus 2 inches or more across, campanulate, pale, but (like the whole plant and especially the gills) turning red in drying; margin sulcate; gills attenuated behind, varying in breadth, approximate, lemon-coloured; spores '0004'–'0005' long; stem 3 inches or more high,  $\frac{1}{4}$  thick, nearly equal, stuffed with cottony threads.

11. A. (*LEPIOTA*) *INEBRIATUS*, *B. & Br.* Pileo campanulato fortiter umbonato subcarnoso in squamulas parvas superficiales sericeas rupto, margine striato; stipite sursum attenuato glabro; annulo mobili; lamellis ventricosis subremotis postice attenuatis (nos. 701, 780, cum icone).

On the ground. July, Aug. 1868.

Pileus 2 inches or more across, at first campanulate, then expanded, strongly but obtusely umbonate, pale yellowish, broken up into flat silky scales; umbo smooth, darker, margin striate; stem 3 inches high, slightly attenuated upwards, stuffed, then hollow, whitish, smooth, sometimes rooting; ring entire, moveable; gills white, ventricose, two lines wide, attenuated behind; spores oblong, '0003'–'00035' long.

Vinous when cut or in drying, but not so strongly as in some other species. No. 819 is a small variety.

12. A. (*LEPIOTA*) *HOLOSPILLOTUS*, *B. & Br.* Pileo plano subcarnoso striato pallide carneo fibrilloso squamulis atropurpureis notato; stipite clavato flexuoso ubique punctato; annulo atro-purpureo angusto submobili; lamellis pallide stramineis ventricosis postice attenuatis approximatis (no. 1171, cum icone).

On the ground. July 1869.

Pileus nearly  $1\frac{1}{2}$  inch across, plane, rather fleshy, pale pinkish, striate, fibrillose, with scattered brown-purple scales; stem 2 inches high,  $1\frac{1}{2}$  line thick in the centre, clavate, sprinkled both above and below the

ring with dark specks; ring more or less moveable, brown-purple; gills pale, straw-coloured, 1 line wide, ventricose, attenuated behind, approximate; spores ovate, '0003' long.

Whole plant dark when dry. Allied to *A. biornatus*.

13. *A. (LEPIOTA) CARPHOPHYLLUS*, B. & Br. Pileo convexo obtuso subcarnoso subfulvo, centro pulveraceo, margine fibrilloso; stipite recto concolori e farcto cavo; annulo descendente mobili candido; lamellis stramineis ventricosis postice attenuatis approximatis (no. 1165, cum icone).

On the ground. July 1869.

Pileus 2 inches across, dull tawny, convex, pulverulent in the centre, fibrillose towards the margin; stem  $1\frac{3}{4}$  inch high,  $\frac{1}{4}$  thick, of the same colour, even; ring descending, moveable; gills  $1\frac{1}{2}$ –2 lines wide, ventricose, straw-coloured, attenuated behind, approximate; spores broadly ovate, '00025' long.

Differs at once from all the forms of *A. erythrogrammus* in the different nature of the ring.

14. *A. (LEPIOTA) LEPIDOPHORUS*, B. & Br. Pileo e campanulato papillato-umbonato plano subcarnoso obtuso squamulis minutis ob-  
sito; stipite sursum attenuato farcto; annulo mobili; lamellis ventricosis approximatis citrinis (no. 36, cum icone) (no. 882).

On the ground. Peradeniya, Nov. 1869.

Pileus an inch or more across, campanulate, umbonate, then plane obtuse and slightly umbonate, white, clothed with minute reddish scales, striate when dry; stem  $1\frac{1}{2}$  inch high,  $1\frac{1}{2}$  line thick in the centre, stuffed, pinkish; ring entire, cup-shaped, moveable; gills 1 line broad, ventricose, lemon-coloured, rounded behind, approximate; spores '0003' long. Whole plant acquiring a yellowish tinge in drying, and staining the paper bright yellow.

- b. No. 883. "Gills soon turning green when drying. Stem very pale ferruginous."

15. *A. (LEPIOTA) ERYTHROGRAMMUS*, B. & Br. Pileo plano umbonato vinoso lituris fibrosis concoloribus notato; stipite e basi claviformi sursum attenuato candido glabro albo-farcto; annulo submobili, lamellis ventricosis approximatis (no. 1202, cum icone).

On the ground. July 1869.

Pileus  $1\frac{3}{4}$  inch across, plane, umbonate, vinous, marked with radiating fibrillose lines; stem 2 inches high, nearly  $\frac{1}{4}$  inch thick in the centre, smooth, stuffed; gills 2 lines broad, white, ventricose, approximate; spores '00025' long, much broader than in *A. alborusseus*.

- b (no. 1187, cum icone) is a very pretty variety, of a bright brick-red, as is the edge of the erect ring.

c (no. 1159, cum icone) is a large variety, in which the fibres are more

inclined to be disposed in scales, the pileus more campanulate, with little or no umbo, coloured as in *b*, the ring somewhat moveable, with its edge clothed like the pileus.

16. A. (LEPIOTA) CENOPUS, *B. & Br.* Pileo late campanulato papillato-umbonato membranaceo sulcato squamulis paucis superficialibus albis obsito; stipite clavato extus intusque rubro, annulo medio persistente; lamellis latissimis ventricosis ascendentibus postice attenuatis approximatis (no. 688\* cum icone).

On dead wood. Peradeniya, Nov. 1868.

Pileus  $2\frac{1}{4}$  inches across at the base,  $1\frac{1}{2}$  inch high, white, campanulate sulcate, with a few scattered nearly white superficial scales; the extreme nipple-like umbo red; stem 3 inches high,  $1\frac{1}{2}$  line thick in the centre, clavate, solid, red within and without, smooth; ring central, white; gills  $\frac{1}{2}$  inch wide, white, ventricose, strongly attenuated behind, approximate; spores '0003'-'0004' long.

17. A. (LEPIOTA) ADOREUS, *B. & Br.* Niveus; pileo campanulato subcarnoso latissime papillato-umbonato, umbone centro depresso, striato particulis furfuraceis obsito; stipite clavato grumoso-farcto, annulo angusto; lamellis arcuatis utrinque attenuatis remotis (no. 688 cum icone).

On the ground. Nov. 1868.

Pileus 1 inch broad and high; stem 3 inches high, flexuous,  $1\frac{1}{2}$  line thick in the centre; gills nearly 2 lines wide.

18. A. (LEPIOTA) LEONTODERES, *B. & Br.* Pileo convexo umbonato fulvo verrucis paucis pallidis insperso; stipite e basi truncata sursum attenuato maculato sursum liturato e farcto cavo, annulo descendente lacerato fugaci lamellis latis postice rotundatis approximatis pallidioribus (no. 1200 cum icone).

On the ground. Peradeniya, July 1869.

Pileus  $2\frac{1}{2}$  inches across, convex, umbonate, tawny, minutely tomentose, with a few scattered warts; stem 3 inches high,  $\frac{1}{2}$  inch thick in the middle, truncate at the base, where there are a few transverse tawny scales, marked above with tawny streaks, stuffed, then hollow; gills  $\frac{1}{2}$  inch wide, ventricose, rounded, or sometimes slightly attenuated behind, very pale tawny; spores '0003' long. The flesh is so tender that the warts seem sunk into the substance when dry, as in an allied Cuban species *A. hemisclerus*, *B. & C.*

19. A. (LEPIOTA) CEPÆSTIPES, *Sow.* (No. 1154 cum icone.) *Gardner*, no. 47.

Amongst decayed herbs. Nov. 1867, July 1869.

"Densely clustered, of a beautiful yellow, base of stipes tinged with orange."

The plant of Nov. 1867 is a variety with an equal stem, such as occurs occasionally in our hothouses.

20. A. (LEPIOTA) LICMOPHORUS, *B. & Br.* Pileo plano depresso membranaceo citrino plicato-sulcato, margine crenato; stipite gracili sursum attenuato fistuloso citrino; lamellis arcuatis distantibus candidis remotis (no. 758 cum icone).

On the ground. Peradeniya, Sept. 1868.

Pileus 1 inch across, lemon-coloured, membranaceous, deeply plicato-sulcate up to the central disk, margin crenate; stem  $3\frac{1}{2}$  inches high, attenuated upwards, lemon-coloured, 1 line thick in the centre, fistulose, truncate at the base; ring about halfway up; gills distant, slightly arched, remote, interstices veined; spores lemon-shaped, .0005' long.

This species, like the former, occurs occasionally in our hothouses. It is probable that they were originally introduced with exotic plants, as they never occur in the open air. The species approaches very closely to Fries's genus *Hiatula*.

21. A. (LEPIOTA) PSELLIOPHORUS, *B. & Br.* Pileo plano depresso carnosus fusco diffracto-maculato, margine arcuato, stipite crassiusculo armillato solido; annulo descendente amplo striato; lamellis ventricosis pallidis postice rotundatis approximatis (no. 798 cum icone).

On the ground. Peradeniya, Nov. 1868.

Pileus  $1\frac{3}{4}$  inch across, plane, depressed, brown-spotted from the breaking up here and there of the cuticle, margin repand; flesh thick, white; stem  $1\frac{1}{2}$  inch high,  $\frac{1}{8}$  inch thick, solid, clothed with transverse rings of scales; ring white, broad, descending, striate from the impression of the gills; gills white,  $\frac{1}{4}$  inch wide, ventricose, rounded behind, approximate; mycelium white.

22. A. (LEPIOTA) THROMBOPHORUS, *B. & Br.* Pileo conico albo squamis grumosis brunneis obsito, margine fisso; stipite subæquali furfuraceo, annulo amplo descendente; lamellis angustis utrinque attenuatis candidis (no. 903 cum icone).

On the ground. Jan. 9, 1869.

Pileus  $\frac{3}{4}$  inch wide, beset with dark brown grumous scales; stem 1 inch high, 1 line thick, smooth, reddish; ring descending, ample; gills scarcely  $\frac{3}{4}$  line broad, attenuated at either end, white, approximate; spores .0005' long.

No. 923 appears to be a variety with more pilose scales and broader ventricose gills. The spores agree exactly. Allied to *A. albo-russeus*.

23. A. (LEPIOTA) RHYPAROPHORUS, *B. & Br.* Pusillus; pileo con-

vexo subumbonato sulcato-striato albo maculis fuscis obsito; stipite clavato, annulo descendente; lamellis angustis postice attenuatis approximatis (n<sup>is</sup> 1199, 887 cum iconibus).

On the ground. Jan. July 1869.

Pileus convex, slightly umbonate,  $\frac{2}{3}$  inch across, white, sulcate, spotted with dark brown patches; stem  $\frac{1}{2}$ –1 inch high, reddish, smooth, clavate, stuffed; ring narrow, descending; mycelium thread-like; gills  $\frac{1}{2}$  line wide, attenuated behind, white, distant, approximate; spores oblong, '0002' long.

No. 885 (cum icone), Peradeniya, Sept. Nov. 1869, is a plane form with the stem  $1\frac{1}{4}$  inch high and nearly equal; gills 1 line, wide, pinkish; spores '0002' long.

No. 953 is a still taller form with a well-developed ring; spores same length.

In some respects resembles the last species, but the spores are very different.

24. A. (LEPIOTA) PHLYCTANODES, B. & Br. Convexo obtuso carnosus verrucosus, margine squamoso; stipite æquali fibrilloso-farcto, annulo amplo descendente; lamellis ventricosis approximatis (no. 820, 1173 cum iconibus).

On the ground or decaying vegetable matter. Peradeniya, Nov. 1868, June 1869.

Pileus 1–2 inches across, plano-convex, broadly umbonate or obtuse, clothed above with reddish-brown erect warts, and towards the margin with fibrillose scales, flesh white with a slight pinkish tinge; stem 2 inches high, 2 lines thick, stuffed with white fibres, reddish within and without, slightly fibrillose; ring descending, ample; gills ventricose, 1 line wide, rounded behind, approximate; spores obliquely ovate, '0003' long. Mycelium fibrous.

No. 1173\* has the margin striate, and is cylindrical when young; stem slightly scaly toward the base. Gills not rounded behind.

We consider this a variety.

25. A. (LEPIOTA) PSEUDO-GRANULOSUS, B. & Br. Pileo subcampanulato estriato verrucis erectis et pulvere obsito; stipite clavæformi e farcto cavo, annulo amplo descendente; lamellis candidis angustis utrinque attenuatis (no. 823 cum icone).

On the ground. Peradeniya, Nov. 1868.

Pileus 1 inch across, white, clothed in the centre with upright mealy warts, pulverulent towards the margin; stem  $1\frac{1}{2}$  inch high, 1 line thick in the centre, clavate, stuffed, then hollow, white, pulverulent; ring ample, white, descending; gills narrow, subremote; spores '0002' long.

No. 823\* is a fawn-coloured form, with a narrower ring ; stem fawn-coloured, villous, with deflexed hairs.

26. *A. (LEPIOTA) MUTICOLOR*, *B. & Br.* Pileo subcampanulato obtuso candido squamis fibrillosis rufis hic illic picto ! stipite clavato albo, deorsum rufulo albo-farcto, annulo amplo descendente ; lamellis utrinque attenuatis approximatis (no. 714 cum icone).

On the ground. Peradeniya, Dec. 1868.

Pileus 1 inch across, subcampanulate, obtuse, white, clothed, especially in the centre, with minute fibrillose rufous scales ; stem  $2\frac{1}{2}$  inches high, nearly 2 lines thick, clavate, white with a slight rufous tint below ; ring descending ; gills  $1\frac{1}{2}$  line wide, attenuated at either extremity, slightly tinged with red ; spores '0002' long.

Allied to *A. metabolus*.

27. *A. (LEPIOTA) BIORNATUS*, *B. & Br.* Pileo convexo carnosio sericeo squamulis punctiformibus rubris insperso estriato ; stipite maculato e farcto cavo maculato, radicante, annulo descendente ; lamellis ventricosis albis approximatis (no. 1168 cum icone).

On the ground. Peradeniya, July 1869.

Cæspitose ; pileus 2 inches across, broadly campanulate, white, silky, with scattered minute dark-red scales, fleshy ; flesh white or slightly tinged with yellow ; stem oblique, 4 inches high,  $\frac{1}{2}$  inch thick, attenuated at the base, rooting, spotted with red, reddish within, stuffed, then hollow ; ring descending, spotted at the edge like the pileus ; gills 2 lines broad, white, ventricose, approximate ; spores '0004' long by '0003'.

Like *A. rubricatus*, the whole plant becomes dark in drying.

28. *A. (LEPIOTA) PARGENUS*, *B. & Br.* Pileo convexo albido piloso-squamoso ; stipite clavato fibrilloso farcto, annulo descendente fugaci ; lamellis arcuatis (no. 788).

On the ground. Nov. 1868.

Pileus  $2-2\frac{1}{2}$  inches across, convex, dirty white, the surface broken up into pilose scales ; stems 2 inches high, 2 lines thick in the centre, ring descending, fugacious ; gills arcuate, attenuated behind ; spores '0002' long. Whole plant, but especially the gills, when dry, becoming of a deep vinous red.

No. 914. A white or reddish grey form, with brown speckles.

No. 876. Whole plant reddish grey with minute scales. Dec. 1868.

29. *A. (LEPIOTA) MACROCOLUS*, *B. & B.* Eximie cæspitosus ; pileo e campanulato late umbonato convexo carnosio squamulis pilosis ex-

asperato; stipite longissimo farcto glabro, annulo erecto lacerato; lamellis utrinque attenuatis approximatis (no. 843 cum icone).

On the ground. Peradeniya, Dec. 1868.

Densely gregarious; pileus 1-1½ inch across, at first campanulate, with a large nipple-shaped umbo, white, epidermis straw-coloured, broken up into pilose scales, fleshy; flesh red when cut; stem 6 inches or more high, 2 lines thick, smooth; ring ragged, erect; gills arcuate, attenuated at either end, approximate, pale straw-coloured; spores '0002' long. Whole plant red when dry.

30. A. (LEPIOTA) COLUMBICOLOR, *B. & Br.* Pileo convexo umbonato sericeo-notato; stipite subbulboso sursum attenuato albo-farcto, annulo erecto angusto; lamellis arcuatis angustis postice attenuatis carneis (no. 1208 cum icone).

On the ground. June 1869.

Dove-coloured; pileus ¾ inch across, convex, umbonate, marked with little silky specks; flesh grey; stem 1½ inch high, 1 line thick in the centre, slightly bulbous, grey within, stuffed with white; ring narrow, erect, ascending; gills ¾ line broad, pink, attenuated behind, approximate; spores oblong, '00025' long.

This species, with some others, approaches *Psalliota*. The whole plant becomes dark in drying; and the slight vinous tint of the spores arises probably from the same circumstance.

31. A. (LEPIOTA) VIRIDI-TINCTUS, *B. & Br.* Olidus; pileo convexo umbonato albo squamulis rufis obsito; stipite claviformi e farcto cavo glabro albo basi rufescente; lamellis ventricosus postice attenuatis approximatis (no. 1153 cum icone).

On the ground. June 1869.

Smell foxy; pileus 1 inch across, convex, umbonate, white, clothed with dense, rufous, pilose scales; stem 2 inches high, 1 line thick in the centre, clavate, stuffed, then hollow, smooth; ring erect; edge rufous; gills white, ventricose, attenuated behind, 1 line wide; spores '0002' long.

Turns of a greenish blue when cut.

32. A. (LEPIOTA) APALOCROUS, *B. & Br.* Pileo e convexo depresso tenui, centro fusco-notato, margine sulcato; stipite subæquali glabro radicante candido, annulo medio erecto; lamellis arcuatis postice rotundatis remotis candidis (no. 1213 cum icone).

On the ground. Peradeniya, June 1869.

Pileus more than 1 inch across, thin, white, with a few brown dots at the apex; margin deeply sulcate; stem 1¼ inch high, 1½-2 lines thick, smooth, white, stuffed, rooting; ring erect; gills white, arched, 1½ line wide, rounded behind, remote; spores oblong, '00025' long.

A very delicate species.

33. A. (*LEPIOTA*) *ALBO-RUSSEUS*, B. & Br. Pileo campanulato late umbonato rubro-fusco in lituras fibrillosas rupto, carne alba; stipite e basi clavata attenuato albo-fareto, annulo erecto; lamellis ventricosis crenatis (no. 1183 cum icone).

On the ground. Peradeniya, June 1869.

Pileus  $1\frac{1}{2}$  inch across, campanulate, with an obtuse umbo, then expanded, subcarnose, of a rich red-brown, broken up into radiating fibrillose lines; stem  $2\frac{1}{2}$ –3 inches high, white, slightly furfuraceous below; ring erect; gills white, ventricose; spores clavate, '00025' long.

34. A. (*LEPIOTA*) *PYROCEPHALUS*, B. & Br. Pileo convexo aurantiorubro squamulis punctiformibus obsito; stipite gracili elongato, annulo erecto medio; lamellis angustis postice attenuatis (no. 772).

On the ground. Peradeniya, Sept. 1868.

Pileus 1 inch across, convex, orange-red, darker in the centre, beset with minute scales; stem 2 inches high, 1 line thick, stuffed, rim white, thin, erect, fugitive; gills narrow, very slightly ventricose, attenuated behind; spores elongated, '00035' long, white.

35. A. (*LEPIOTA*) *FLAVIDO-RUFUS*, B. & Br. Gregarius, decolorans; pileo conico papillato-umbonato, epidermide diffracta; stipite gracili, annulo erecto demum lacero (no. 724).

On grass. Peradeniya, July 1868.

"Dull reddish yellow;" pileus  $\frac{3}{4}$ –1 inch across, convex, with a large papillæform umbo, the surface broken up into little areolæ; stem  $2\frac{1}{2}$  inches high, nearly equal, ring at first erect; spores pallid, '00025'. Whole plant, when dry, dull umber.

36. A. (*LEPIOTA*) *EPICHARIS*, B. & Br. Pileo conico obtuso albo estriato squamulis punctiformibus rubris fibrillosis notato; stipite flexuoso clavato, deorsum cærulescente, fareto, annulo erecto; lamellis ventricosis stramineis approximatis (no. 1161 cum icone).

On the ground. July 1869.

Pileus 1 inch across, white, estriate, conical, obtuse, marked with little red scales, flesh thickish in the centre; stem 2 inches high, 1 line thick, slightly clavate, white, tinged below with blue; ring erect, distant; gills straw-coloured, ventricose, slightly attenuated behind, approximate. Spores ovate, '00025' long. Whole plant becoming tawny when dry, and the pileus grooved.

Allied to *A. carphophyllus*; but the ring is different, in addition to other characters.

37. A. (*LEPIOTA*) *SPODOLEPIS*, B. & Br. Pileo e conico depresso albo, epidermide brunnea in squamulas fibrillosas rupta; stipite clavato deorsum rufescente fareto, annulo erecto; lamellis ventricosis distantibus approximatis (no. 886 cum icone) (no. 884).

On the ground. Peradeniya, Oct. Dec. 1868.

Pileus  $\frac{3}{4}$  inch across, conical, then depressed, white, epidermis dark brown, broken up into minute fibrillose scales; stem 1 inch high, 1 line thick, clavate, smooth, white, becoming rufous towards the base, stuffed, ring erect, edge brown; gills 1 line wide, distant, white, ventricose, approximate. Spores '00025' long.

Undoubtedly closely allied to *A. erythrogrammus*; but the gills are far more distant; no. 886\* is a small form resembling *A. rhy-parophorus*, and decidedly umbonate.

38. *A. (LEPIOTA) MICROPHOLIS*, B. & Br. Pileo conico albo squamulis minimis cinereis ornato striato; stipite flexuoso albo subæquali, annulo erecto; lamellis candidis ventricosis confertis approximatis, (no. 906 cum icone).

On the ground. Jan. 1869.

Pileus not  $\frac{3}{4}$  inch across, conical, white, covered in the centre with very minute cinereous scales, margin striate; stem 1 inch high, about  $\frac{1}{2}$  line thick, nearly equal, white; ring erect; gills  $\frac{1}{2}$  line wide, crowded, slightly ventricose. Spores '0002' long.

No. 779 is a dull white or reddish-grey form, with the stem very pale ferruginous; nos. 908, 909 appear to give two varieties of the same species.

39. *A. (LEPIOTA) EAROCHROUS*, B. & Br. Pileo convexo roseo pulverulento-granuloso; stipite gracili deorsum rufescente, annulo erecto; lamellis pallide carneis postice rotundatis approximatis (no. 893 cum icone).

On the ground. Dec. 1868, Jan. 1869.

Pileus  $\frac{1}{2}$ – $\frac{3}{4}$  inch across, at first subconical, then convex, rose-coloured, minutely granulated; stem 1 inch high,  $\frac{1}{2}$  line thick, stuffed, white, changing below to rufous, red within, nearly equal; ring erect, edge coloured; gills ventricose, rounded behind, pink. Spores oblong, '00025' long.

A very pretty little species, resembling, when fresh, some forms of *A. granulatus*, becoming very dark in drying.

40. *A. (LEPIOTA) ANTHOMYCES*, B. & Br. Pileo convexo candido membranaceo pulverulento usque ad discum striato; stipite gracili candido hic illic rubro-maculato e strato pulverulento oriundo, annulo erecto; lamellis angustis ventricosis postice rotundatis (no. 888 cum icone).

On decayed vegetable matter. Peradeniya, Dec. 1868, Jan. 1869.

Pileus  $\frac{3}{4}$  inch across, white, convex, striated up to the disk, which is tinged with red, pulverulent; stem  $1\frac{1}{4}$  inch high,  $\frac{3}{4}$  line thick, flexuous, white, here and there stained with red, stuffed, springing from

a white powdery stratum; ring erect; gills slightly ventricose, rounded behind,  $\frac{3}{4}$  line broad. Spores slightly oblong, '0002' long. A very pretty and distinct species.

41. A. (LEPIOTA) OPSEMATUS, B. & Br. Pileo plano acute umbonato usque ad umbonem striato pallide carneo; stipite aequali, annulo erecto; lamellis carneis falciformibus postice rotundatis approximatis (no. 891 cum icone).

On the ground. Dec. 1868.

Pileus  $\frac{3}{4}$  inch across, plane, acutely umbonate, striate up to the red-brown umbo; stem  $\frac{3}{4}$  inch high,  $\frac{1}{2}$  line thick; ring erect; gills falciform, rounded behind, flesh-coloured. Spores ovate, '0002' long.

The whole plant becomes of a deep vinous-red when dry.

42. A. (LEPIOTA) SPONGODES, B. & Br. Pileo convexo subcarnoso sericeo-squamoso; stipite flexuoso lanato farcto, annulo suberecto; lamellis arcuatis postice rotundatis remotis (no. 86 cum icone).

On the ground. Peradeniya, Nov. 1867.

Pileus 2 inches across, convex or somewhat conical, at length depressed, vinous-red, clothed with silky scales; flesh white, thin towards the margin; stem  $2\frac{1}{2}$  inches high, 2 lines thick, slightly attenuated upwards, vinous; gills  $2-2\frac{1}{2}$  lines wide, arched, white, with a pinkish tinge, leaving a circular space round the top of the stem, which does not penetrate the flesh; mycelium fibrous; spores '00025' long.

This description is taken from the specimen from which the drawing was made. There is, however, a specimen marked with the same number, which may possibly be distinct, though the spores are similar. The pileus is still more spongy, the stem shorter and dilated at the base; and, when dry, the coating of the pileus assumes the colour of sponge.

43. A. (LEPIOTA) DASYPEPLUS, B. *Lond. Journ. of Bot.* vol. vi. p. 482; *Gard.* no. 63.

On old wood. Hautane, Ceylon.

44. A. (LEPIOTA) ALBUMINOSUS, B. l. c. tab. xx. fig. 3; *Gard.* no. 51. On the ground. Peradeniya, June 1844.

45. A. (LEPIOTA) LIGNYODES, B. & Br. Pileo hemisphærico carnoso stipiteque curto albo-farcto fuligine rubro fuscescens aspersis; annulo lacero appendiculato; lamellis ventricosis approximatis (no. 745 cum icone).

On the ground. Peradeniya, Sept. 1868.

Pileus  $1\frac{1}{2}$  inch across, convex, clothed, as is the stem, with mulberry-red powder, which assumes a sooty tint in drying; flesh thick, white; stem  $\frac{3}{4}$  inch high, 2 lines thick, at first stuffed with white, furfureous (or nearly smooth, no. 745\* cum icone), then hollow,

gills ventricose, attenuated behind, approximate, or in the variety much broader and rounded behind; spores subglobose, '0003' long. In no. 745\* the edge is not appendiculate.

46. A. (LEPIOTA) MANICATUS, B. & Br. in *Linn. Trans.* xxvii. p. 150, tab. 33*b* (no. 691 cum icone).

On the ground. Peradeniya, July 1868.

47. A. (LEPIOTA) MYXODICTYON, B. & Br. Pileo hemisphærico umbrino mucro concolori reticulato carnosus; stipite æquali solido albo deorsum fibrilloso; cortina spongiosa; lamellis falciformibus approximatis albidis (no. 793 cum icone).

On the ground. Nov. 1868.

Pileus  $2\frac{1}{2}$  inches across, convex, broadly and very obtusely umbonate, dark umber, clothed with a network of similarly coloured mucus; flesh thick, reddish beneath the cuticle; stem  $2\frac{1}{2}$  inches high, 5 lines across, solid, nearly white, clothed above with a spongy ring, fibrillose below; gills  $\frac{1}{4}$  inch broad, sickle-shaped, approximate, slightly tinged like the flesh with red.

Allied to *A. gliodermus*, Fr.

48. A. (LEPIOTA) EUCONIATUS, B. & Br. Pileo convexo carnosus albo pulvere vinoso obsito estriato; stipite sursum attenuato albo pulverulento farcto; lamellis ventricosis postice rotundatis remotis (no. 818 cum icone).

On rotten wood. Peradeniya, Nov. 1868.

Pileus 3 inches or more across, convex, covered with little patches of vinous dust; stem 4 inches high,  $\frac{1}{2}$  inch thick, attenuated upwards, pulverulent like the pileus, stuffed, sometimes rooting; ring not distinct from the meal of the stem; gills slightly ventricose,  $\frac{1}{4}$  inch wide; spores oblong, '00015'-'0002' long.

Flesh thick, except towards the margin, white; the white inner substance of the stem continued into the obtuse apex. Spores white; but there is a close affinity with *A. cretaceus*. Sometimes part of the stem is naked, sometimes the whole is mealy and less distinctly stuffed.

49. A. (LEPIOTA) GRANULOSUS, *Batsch.* (No. 1149 cum icone.)

On earth, in flower-pots. June 1869.

A minute form clothed with red granules. Spores '0002' long.

No. 901 (cum icone) Jan. 1869, is a larger form, with stem and pileus more or less clothed with brownish granules, the gills sharply rounded behind, and one of an intermediate size, with the granules darker and conspicuous at the base of the stem as well as pileus.

No. 902 (cum icone) comprises two varieties, one with cine-

reous patches on the pileus and base of the stem, and the other with a smooth skin. The spores are similar in all.

50. A. (LEPIOTA) CERAMOGES, *B. & Br.* Pusillus, stramineus; pileo e campanulato convexo umbonato glabro vel parce granuloso margine appendiculato; stipite brevi, annulo fugaci; lamellis ventricosis candidis approximatis (no. 1191 cum icone).

On the soil of flower-pots. June 1869.

Pileus 2-3 lines across, campanulate, then plane and umbonate, straw-coloured, smooth, or slightly granulated, margin appendiculate, even; stem  $\frac{1}{8}$  inch high,  $\frac{1}{8}$  line thick, having a few fragments of the ring above; gills white, ventricose,  $\frac{1}{2}$  line wide; spores oblong, '00025' long. The gills turn red in drying.

This is a very distinct species from *A. floralis*, *B. & C.*, which has totally different spores.

51. A. (LEPIOTA) PYRRHAES, *B. & Br.* Pileo convexo obtuso verruculis lateritiis obsito; stipite sublateritio farcto deorsum plus minus granulato; lamellis latis carneis postice rotundatis approximatis (no. 1163 cum icone).

On the ground. June 1869.

Pileus  $\frac{1}{2}$  inch across, obtuse or broadly umbonate, clothed with brick-red granules; stem  $\frac{3}{4}$  inch high, 1 line thick, stuffed, equal, mostly paler than the pileus, more or less scaly, smooth above, more rarely quite smooth, red within; gills 1 line wide, ventricose, rounded behind, flesh-coloured; spores ovate oblong, '0003' long.

There is a form (no. 1163\* cum icone) strongly umbonate, the stem more scaly, the gills narrower, paler, and not so ventricose or rounded behind.

52. A. (LEPIOTA) ERYTHROSTICTUS, *B. & Br.* Pileo ex ovato hemisphaerico lilacino cuticula in particulas concolores rupta; stipite lilacino e farcto cavo deorsum furfuraceo; lamellis leviter ventricosis approximatis; sporis elongatis (no. 755 cum icone).

On the ground. Peradeniya, Sept. Dec. 1868.

Pileus 1 inch across, at first ovate, lilac, with the cuticle, which is at first continuous, broken up into little darker specks; flesh tinged with pink; stem 1-1 $\frac{1}{2}$  inch high, springing from radiating threads, furfuraceous below the fugitive ring, or striate reddish, stuffed, the fibres at last forming a slender cord; gills ventricose, 1 $\frac{1}{4}$  line broad, white, rounded behind, approximate; spores oblong, narrow, '0003' long, without any nucleus, or '00025' with a nucleus.

53. A. (LEPIOTA) RUSSOCEPS, *B. & Br.* Pileo e campanulato plano-convexo fulvo pulverulento-maculato estriato, stipite subæquali pallidior farcto; lamellis pallidis ventricosis approximatis (no. 1151 cum icone).

On the ground. June 1860.

Pileus  $\frac{3}{4}$  inch across, at first subcampanulate, then plano-convex, umbonate, tawny, rough, with little pulverulent specks: stem flexuous, nearly equal,  $1\frac{1}{2}$  inch high, nearly 1 line thick, tawny, stuffed with white; gills more than a line broad, ventricose, slightly tinged with tawny; spores oblong, 0003' long.

Allied to the last, but, judging from the dried specimens, apparently distinct.

54. A. (LEPIOTA) *POLYGLOMUS*, B. & Br. Pileo subhemisphærico verrucis erectis pallidis obsito; stipite recto rufo furfuraceo albofarcto; lamellis latis postice truncatis rufulis (no. 907 cum icone).

On the ground. Jan. 1869.

Pileus 1 inch across, subhemispherical, pale, clothed, especially in the centre, with erect pyramidal warts; stem  $1-1\frac{1}{4}$  inch high, 1 line thick, nearly equal, reddish, stuffed, furfuraceous; gills nearly 2 lines broad, truncate and sinuated behind, dark-rufous when dry; spores 0002' long.

Allied to *A. granulosus*.

55. A. (LEPIOTA) *CITROPHYLLUS*, B. & Br. Pileo obtuso vel late umbonato demum depresso citrino squamulis variis rufis obsito; stipite citrino e farcto cavo squamuloso; lamellis ventricosis postice rotundatis vel attenuatis approximatis citrinis (no. 821 cum icone).

On the ground. Peradeniya, Nov. 1868, Jan. 1869.

Several forms of this species occur:—

- a. Campanulate, with transverse scales on the pileus, and a squamulose stem attenuated and slightly rooting at the base, or abrupt, with the scales less decidedly transverse, and the gills attenuated behind.
- b. Pileus plane, then depressed, the margin striate, slightly squamulose in the centre or dotted; stem reddish without and within. gills rather remote, rounded behind, broad (no. 824 cum icone).
- c. Pileus hemispherical, minutely squamulose; stem smooth, even, rather sunk into the pileus; gills rounded behind, here and there tinged with green (no. 1174 cum icone). This looks more distinct than the others.
- d. Pileus convex, strongly umbonate; stem fibrillose, dilated at the base; gills rounded behind. In all the spores are obliquely ovate, 0003' long (no. 1188 cum icone).
- e. Pileus campanulate, broadly umbonate, floccose; gills attenuated behind, yellow. No. 882 stains even the gum with which it is fastened bright yellow.

No. 881. Peradeniya, Oct. 1868.

"Yellowish, clouded with ferruginous; gills yellow," seems to differ from the rest in more oblong spores, 00025' long.

Nearly allied to *A. lepidophorus*, but the general appearance of

the dried plant is very different. All stain the paper in which they are dried with a yellow tint.

56. A. (*LEPIOTA*) *PLUMBICOLOR*, B. & Br. Pileo plano late umbonato plumbeo verrucis erectis ornato; stipite flexuoso deorsum maculato albo-farcto; lamellis ventricosis postice subsinuatis pallide carneis (no. 864 cum icone).

On the ground. Peradeniya, Dec. 1868.

Pileus 1 inch across, plane, broadly umbonate, lead-coloured, clothed with dark warts, which pass into scales on the margin; stem  $1\frac{1}{2}$  inch high, 1 line thick, flexuous, lead-coloured, spotted at the base; ring white, consisting of a little down; gills 1 line broad, pale flesh-coloured; spores obliquely ovate, '0003' long.

57. A. *ALOPOCHROUS*, B. & Br. Pileo e subcampanulato convexo fulvo villosulo squamuloso; stipite gracili fibrilloso tomentoso concolori; lamellis latis ventricosis approximatis; spores oblongis (no. 924).

On the ground amongst fallen vegetable remains. Peradeniya, Dec. 1868.

Pileus  $\frac{3}{4}$  inch across, at first subcampanulate, obtuse, then convex, tawny, clothed with minute villous scales; stems  $1\frac{1}{2}$  inch high,  $\frac{1}{2}$  line thick, fibrillose and tomentose, of the same colour; gills  $1\frac{1}{2}$  line broad, ventricose; spores oblong, '00025' long.

58. A. (*LEPIOTA*) *REVELATUS*, B. & Br. Pileo convexo umbonato subter cuticulam brunneam laceratam striato; stipite subæquali e farcto cavo deorsum squamoso-punctato, sursum glabro; lamellis latiusculis ventricosis candidis (no. 922 cum icone, no. 910).

On the ground. Peradeniya, Jan. 1869.

Pileus  $1\frac{1}{4}$  inch across, convex, umbonate, white, striate beneath the brown even torn cuticle; stem  $1\frac{1}{2}$  inch high,  $1\frac{1}{2}$  line thick, oblique, nearly equal, stuffed, then hollow; spotted below, white above; gills 2 lines wide; spores oblong, '00025' long.

59. A. (*LEPIOTA*) *PARDALOTUS*, B. & Br. in *Linn. Tr.* xxvii. p. 150 (no. 693 cum icone).

On the ground. Peradeniya, July 1868.

60. A. (*LEPIOTA*) *RHACODERMA*, B. & Br. Pileo depresso striato; epidermide brunnea mox lacerata; stipite solido albo; lamellis latis carneis (no. 867 cum icone).

On the ground. Peradeniya, Dec. 1868.

Pileus  $1\frac{1}{4}$  inch across, depressed, thin, striate beneath the brown cuticle, which is soon broken up into various-sized patches; stem 1 inch high, nearly equal, solid, white; gills nearly two lines broad, ventricose, approximate, flesh-coloured; spores '0003' long.

The solid not obviously stuffed stem seems characteristic of

this little species. This and *A. rhyparophorus* and *A. revelatus* resemble each other externally as regards the pileus; but the spores are different.

61. *A. (LEPIOTA) ALPHITOCROUS*, B. & Br. Pileo e campanulato plano subumbilicato subter epidermidem lævem separabilem particulis farinosis candidis obsito; stipite æquali farcto farinoso; lamellis ex albo sordide carneis postice rotundatis (no. 771 cum icone).

On the ground. Peradeniya, Sept. Nov. 1868.

Pileus 2 inches across, campanulate, then expanded, plane, slightly umbilicate, at first clothed with a smooth brownish cuticle, which peels off, except at the apex, where it forms a little cup with free edges, leaving a pale flesh-coloured stratum scattered with white mealy specks and striæ towards the margin; stem  $1\frac{1}{2}$  inch high,  $2\frac{1}{2}$  lines thick, white, mealy like the pileus; ring appendiculate; gills  $1\frac{1}{2}$  line wide, rounded behind, at first white, than dull red; spores  $\cdot 0002'$ – $\cdot 00025'$  long.

Whole plant red when dry.

No. 849 appears to be a very pale form: stem  $5\frac{1}{2}$  inches high, "dull ochraceous gilvous, with pileus and base of the stem pale ferruginous."

62. *A. (LEPIOTA) FLAGELLATUS*, B. & Br. Pileo e subcampanulato umbonato plano, squamulis liturise rubris notato; stipite sursum dilatato glabro farcto; lamellis latis falciformibus pallide stramineis (no. 837 cum icone).

On the ground. Peradeniya, Nov. 1868.

Pileus  $1-1\frac{1}{2}$  inch across, subcampanulate, umbonate, then plane, white, marked with little red scales or streaks, bearing the powdery remains of the veil on the margin; stem  $1\frac{1}{2}$  inch high, 2 lines thick in the middle, obversely conical, white, at length stained below with brown, reddish within; gills broad,  $2-2\frac{1}{2}$  lines wide, falciform, pale straw-coloured, approximate; spores persistently white,  $\cdot 0002'$  long.

Whole plant dark when dry, but not of so vinous a tint as in allied species, nor do the spores change colour.

63. *A. (LEPIOTA) HEMICHLORUS*, B. & Br. Gregarius; pileo semi-ovato stramineo squamulis minutis insperso subcarnoso; carne rubro tineta; stipite gracili rufulo albo-farcto; lamellis arcuatis postice attenuatis rufulis (no. 1160 cum icone).

On the ground. July 1869.

Pileus half-ovate,  $\frac{3}{4}$  inch high, straw-coloured, clothed with minute scales; stem 2 inches high, 1 line thick, pale rufous without and within; ring subpersistent towards the apex; gills 1 line wide, arched, attenuated behind, approximate, pale rufous; spores ovate,  $\cdot 0002'$  long.

Whole plant dark red in drying.

64. A. (*LEPIOTA*) *METABOLUS*, B. & Br. Pileo plano citrino fibrillis brunneis picto; stipite basi truncato sursum attenuato rubro-lineato candido; lamellis ventricosis candidis remotis (no. 1186 cum icone).

On the ground. June 1869.

Whole plant tinged with red when bruised. Pileus nearly  $1\frac{1}{2}$  inch across, plane, lemon-coloured, marked with brown fibrillæ, which sometimes are disposed in scales; stem  $1\frac{1}{2}$  inch high, thickened and truncate at the base, where it is marked with red streaks, attenuated and white upwards; gills 2 lines broad, white, ventricose, remote; spores '00025' long.

65. A. (*LEPIOTA*) *CENOCEPHALUS*, B. & Br. Pileo subhemisphærico vinoso centro obscuriore rimoso-areolato; stipite flexuoso pallidiore lineato basi brunneo farcto, intus carneque luteis; lamellis postice rotundatis subcarneis (no. 796 cum icone).

On the ground. Peradeniya, Nov. 1868.

Pileus 1 inch across, hemispherical, obtuse, vinous, very dark in the centre, where it is areolate, flesh yellow; stem  $1\frac{1}{2}$  inch high, more than a line thick, marked with little vinous streaks, and yellow-brown at the base, stuffed, yellowish within; gills  $1\frac{1}{2}$  line broad, ventricose, rounded behind, approximate, white shaded with pink, stained when bruised; spores '00015'-'0002' long.

Whole plant dark when dry, the gills acquiring a deep red tint. Approaching, like some others, very closely to *Psalliota*.

66. A. (*LEPIOTA*) *PUNGENS*, B. & Br. Pileo convexo carnoso fusco-ferrugineo appendiculato; stipite æquali farcto concolori; lamellis livide cæruleo-purpureis (no. 781).

On the ground. Nov. 1868.

Pileus 1 inch across, sometimes umbonate, fleshy; stem 1 inch high,  $1\frac{1}{2}$  line thick, stuffed; spores pale, '0002' long. Odour very pungent in drying. Dark when dry.

Other specimens are marked whitish, tinged with dark blue purple, Sept. 1868. Pileus pale dull purplish, Dec. 1868.

67. A. (*LEPIOTA*) *METULÆSPORUS*, B. & Br. Pileo campanulato obtuso sulcato squamulis pallidis ornato, margine appendiculato; stipite subæquali pallido intus citrino; lamellis ventricosis albis; sporis metulæformibus (no. 1180 cum icone).

On the ground. July 1869.

Pileus 1 inch across, campanulate, rather fleshy, white, grooved, adorned with small pallid scales; margin appendiculate; stem  $2\frac{1}{2}$  inch high, 1 line thick, nearly equal or slightly clavate, pallid, lemon-coloured, stuffed; gills nearly 2 lines broad, white, ventricose, approximate; spores ninepin-shaped, when seen from the back, obliquely clavate from the side, '0006' long. Mycelium thread-like.

This agrees, as to the spores, with no. 6447 from Alabama, which is apparently a form of the same species, which occurs also in England.

No. 802, Peradeniya, Oct. 1868, described by Mr. Thwaites as fragrant, is the same species.

68. A. (LEPIOTA) LEPRICUS, B. & Br. Pileo convexo centro verrucis pyramidatis margine depressis aspero; stipite clavæformi furfuraceo; lamellis ventricosis postice attenuatis (no. 820 in part).

On the ground. Peradeniya, Nov. 1868.

Pileus  $\frac{3}{4}$  inch across, convex, clothed in the centre with pyramidal warts, those towards the margin depressed and transverse; stem 1-1 $\frac{1}{2}$  inch high, clavate; gills ventricose, attenuated behind; spores ninepin-shaped, '0005' long.

Specimens mixed with *A. phlyctanodes*. Allied evidently to the last.

69. A. (LEPIOTA) ERIPHÆUS, B. & Br. Pileo convexo obtuso carnosio glabro; stipite elongato glabro farcto; annulo fugaci; lamellis ventricosis postice attenuatis approximatis (no. 836).

On the ground. Peradeniya, Oct. Nov. 1868.

Pileus 1 $\frac{1}{2}$  inch across, white or very pale, ochraceous, convex, fleshy; stem 2-2 $\frac{1}{2}$  inches high, 2 lines thick, smooth, white; gills white, densely crowded; spores '0002' long.

70. A. (LEPIOTA) AULACERGATES, B. & Br. Pallide testaceus; pileo campanulato umbonato delicato sulcato; stipite gracili; lamellis latis ventricosis interstitiis venosis (no. 720).

Pale testaceous; pileus 1 $\frac{1}{2}$  inch across, campanulate, with an obtuse papillæform umbo deeply sulcato-plicate, up to the umbo minutely pulverulent; stem 1 $\frac{1}{2}$  inch high, 1 line thick, equal: gills broad, ventricose, approximate; interstices venous; spores subglobose, white, '0003' long.

There is also a small form half the size, Dec. 1868.

71. A. (LEPIOTA) MELICHROUS, B. & Br. Pileo hemisphærico umbonato pulverulento estriato; stipite gracili flexuoso pulverulento, annulo obsoleto; lamellis candidis (no. 743 cum icone).

On the ground. Peradeniya, Sept. 1868.

Gregarious: pileus not  $\frac{1}{2}$  an inch across, honey-coloured, pulverulent, as is the flexuous stem  $\frac{1}{2}$  inch high,  $\frac{1}{2}$  line thick; gills white, dark when dry; spores oblong, '0002' long.

72. A. (ARMILLARIA) ASPRATUS, B. Lond. Journ. Bot. vi. p. 481; Gardner, no. 50; Thwaites (no. 832 cum icone).

On the ground in shady places. Hantane range, June 1844.

Clarence River (Mueller, Carol. Inf. no. 1478). Peradeniya (on

wood), Oct., Nov., Jan. Neilgherries, Sept. 1864, Aug. 1869 (*E. S. Berkeley*). Spores '00035'-'0004' long.

73. A. (ARMILLARIA) OMPNERUS, *B. & Br.* Candidus; pileo convexo carnosio fortiter umbonato pulverulento estriato; stipite æquali albo-farcto; annulo fugacissimo; lamellis angustis confertis approximatis (no. 1211 cum icone).

On the ground. June 1869.

Pileus 3 inches across, convex, fleshy, with a strong umbo, which is slightly tinged with umber, pulverulento-squamulose, becoming smooth; margin even; stem  $2\frac{1}{2}$  inches high,  $\frac{1}{4}$  inch thick, smooth, white, umber at the base; ring very fugitive; gills white, 1 line broad, rounded behind, free, crowded, approximate.

The specimens are more delicate than those figured, which resemble in habit *A. xylophilus* (Weinm.). Spores '00015'-'0002' long.

74. A. (ARMILLARIA) RHODOMALUS, *B. & Br.* Pileo convexo sub-carnoso pallide citrino verrucis punctiformibus frequentibus roseis obsito; stipite crasso subæquali farcto roseo-lineato; annulo superiore amplo lacerato citrino; lamellis angustis arcuatis postice attenuatis adnatis (no. 1212 cum icone).

On the ground. Peradeniya.

Pileus convex, 1 inch across, fleshy, pale lemon-coloured, sprinkled with minute rose-coloured warts; flesh nearly white; stem 1 inch high,  $\frac{1}{4}$  thick, stuffed, obtuse, marked with rose-coloured lines, of the same colour within, except towards the centre; ring broad, descending, lemon-coloured, jagged; gills  $\frac{3}{4}$  line broad, arched, attenuated behind, slightly adnate.

The colours are just those of *A. rutilans*.

75. A. (ARMILLARIA) EURHIZUS, *B. in Hook. Journ. Bot.* vi. p. 483; *Gard.* no. 43.

Peradeniya, June 1844, on the ground. Eaten by the Cingalese.

76. A. (TRICHOLOMA) RHACOPHORUS, *B. & Br.* Pileo convexo demum depresso carnosio innato-diffracto-fibrilloso estriato; stipite deorsum incrassato solido pallidiore squamis angustis fibrillosis rugoso; lamellis pallide stramineis postice rotundatis attingentibus (no. 1166 cum icone).

On the ground. July 1869.

Pileus nearly 3 inches across, convex, at length depressed, fleshy, dark-brown, rough with innate fibres or minutely cracked; flesh white; margin even; stem  $2\frac{1}{2}$  inches high,  $\frac{1}{2}$  thick, slightly thickened below, paler than the pileus, rough, with brown shred-like scales; gills pale straw-colour,  $2\frac{1}{2}$  lines broad, rounded behind and adnexed.

Allied to *A. impolitus*.

77. *A. (TRICHOLOMA) CRASSUS*, *B. in Lond. Journ. Bot.* vi. p. 483; *Gardner*, no. 53.

On the ground in shady places. Peradeniya, June 1844.

78. *A. (TRICHOLOMA) PACHYMERES*, *B. & Br.* *Cæspitosus*; pileo compacto convexo guttato ochraceo margine incurvo, carne crassa candida; stipite crasso squamoso tumido solido; lamellis subliberis arcuatis stramineis (no. 797 cum icone).

On the ground. Ambegamowa, Central Provinces, Nov. 1868.

*Cæspitose*; pileus 4 inches or more across, hemispherical, guttate; margin involute; flesh white, 1 inch thick: stem 4 inches high, attenuated upwards, swollen in the centre, where it is nearly  $1\frac{1}{2}$  inch thick, solid, clothed with small reflexed scales; gills arched,  $\frac{1}{4}$  inch broad, rather attenuated behind and nearly free.

Allied to *A. gambosus*, and probably esculent. It differs from *A. crassus* in the even not sinuato-plicate margin, the scaly stem, and other characters. Grows, like that, to a large size.

79. *A. (TRICHOLOMA) THEIOCHROUS*, *B. & Br.* *Sulfureus*; pileo convexo umbonato carnosus: stipite subæquali farcto; lamellis angustis liberis vel breviter adnatis (no. 874 cum icone).

On the ground. Peradeniya, Dec. 1868.

Pileus  $\frac{1}{2}$ – $\frac{3}{4}$  inch across, convex, umbonate, sulphur-coloured, inclining to umber towards the umbo; flesh reddish; stem 1 inch high, 1 line thick, curved, nearly equal; gills narrow, rounded behind and free, or attenuated and slightly adnate; spores pale yellow, '0002' long.

There is a large form with no umbo when full-grown, and the gills slightly rounded behind and adnate. Allied to *A. chrysenterus*.

80. *A. (TRICHOLOMA) RUBRO-CYANEUS*, *B. & Br.* Pileo e conico plano depresso lilacino subtiliter virgato carnosus; carne alba; stipite obconico farcto fibrilloso albido; lamellis angustis candidis (no. 747 cum icone).

On the ground. Peradeniya, Sept. 1868.

Pileus  $1\frac{1}{4}$ –2 inches across, conical, obtuse, then convex, plane, or depressed, lilac, delicately virgate, fleshy; flesh white; edge at first involute: stem  $1\frac{1}{2}$  inch high, obconical, 2 lines thick in the centre, fibrillose, dirty white, stuffed; gills arched, narrow, shortly adnate, white.

Allied to *A. onychinus*.

81. *A. (TRICHOLOMA) CHARISTERUS*, *B. & Br.* Pileo plano umbonato carnosus lilacino, carne alba; stipite substricto basi attenuato e fibris radiantibus oriundo farcto; lamellis angustis leviter adnatis candidis (no. 847 cum icone).

Amongst dead leaves &c. Peradeniya, Dec. 1868.

About  $\frac{1}{2}$  an inch across, strongly umbonate, of a delicate lilac, slightly clouded; stem 1 inch high,  $1\frac{1}{2}$  line thick, stuffed, at length slightly hollow, attenuated at the base, where it springs from white radiating fibres; gills very narrow, white, slightly adnate.

Allied to *A. carneus*.

82. *A. (TRICHOLOMA) NUDUS*, *Bull.* t. 439; *Gardner*, no. 31; *Thwaites*, no. 203.

In damp shady places on the ground. June 1844, July 1868.

The specimens in general umbonate.

83. *A. (CLITOCYBE) IOPEPLUS*, *B. & Br.* Totus violaceus; pileo e convexo umbonato depresso striato; stipite subæquali striato; lamellis confertis angustis longe decurrentibus (no. 203).

On the ground. Peradeniya, Sept. 1868.

Pileus 2-3 inches across, at first convex, with a strong umbo, then depressed or almost cyathiform, margin striate; stem nearly equal or slightly thickened below, fibrillose,  $2\frac{1}{2}$ -3 inches high,  $\frac{1}{4}$  inch thick, solid; gills narrow, crowded, very decurrent.

Allied to *A. tyrianthinus*. Mycelium not red as in that species.

It is, moreover, not nearly so robust.

84. *A. (CLITOCYBE) CROCOBAPHUS*, *B. & Br.* Flavus; pileo e convexo umbonato plano fulvo-virgato lævi; stipite subæquali e farcto cavo striato; lamellis angustis demum decurrentibus (no. 1176 cum icone).

On the ground. July 1869.

Pileus 3 inches across, at first convex, with a strong umbo adorned with tawny streaks, then nearly self-coloured and plane, margin even; stem  $2\frac{1}{2}$  inches high,  $\frac{1}{3}$  thick, stuffed, giving way in the centre, and at length hollow; gill  $1\frac{1}{2}$  line broad, arched, at first slightly rounded behind, then very decurrent.

Allied to *A. illudens*. Stems sometimes connate. Mycelium fibrous.

85. *A. (CLITOCYBE) ANISUS*, *B. & Br.* Pileo e convexo subunilateraliter depresso infundibuliformique leviter floccoso; stipite elongato fistuloso; lamellis crassiusculis latis ventricosis decurrentibus (no. 381 cum icone).

On the ground. Peradeniya, Nov. 1868.

Cæspitose, straw-coloured; pileus 1 inch across, slightly floccose, at first convex, unequal, subunilateral, then umbilicate or infundibuliform; stem 2 inches high, 1 line thick, fistulose, very slightly thickened at the base, paler than the pileus; gills nearly 2 lines broad in the centre, ventricose, attenuated at either end, decurrent.

Allied to the following species. Spores '0005' long.

86. A. (CLITOCYBE) DIMORPHUS, *B. & Br.* Pileo convexo acute umbonato, dein umbilicato striato; stipite sursum dilatato solido v. fistuloso; lamellis candidis decurrentibus (no. 830, cum icone).

On the ground. Peradeniya, Nov., Dec. 1868.

Pileus  $\frac{1}{2}$ –1 inch across, at first convex, with an acute umbo, lemon-coloured, streaked with darker lines, membranaceous, then umbilicate, retaining the umbo; stem  $\frac{3}{4}$  inch high, strongly dilated upwards, solid, then fistulose, lemon-coloured; gills arched, decurrent, white or yellowish.

There appear to be two forms, a smaller, which is acutely umbonate and the stem solid, and a larger, with a decidedly fistulose stem and yellower gills. Spores '0002'–'0003'.

87. A. (CLITOCYBE) METRIUS, *B. & Br.* Gilvus; pileo subcyathiformi angusto glabro; stipite elongato farcto; lamellis arcuatis breviter decurrentibus (no. 926).

On the ground. Peradeniya, Jan. 1869.

Pileus  $\frac{1}{4}$  inch across, cup-shaped, with the margin arched, smooth; stem  $\frac{3}{4}$ –1 inch high, stuffed; gills narrow, arched, moderately distant, shortly decurrent; mycelium white, fibrous.

88. A. (CLITOCYBE) HYALODES, *B. & Br.* Hyalinus, fragilis, albus; pileo cyathiformi glabro estriato tenui; stipite deorsum attenuato fistuloso; lamellis angustissimis postice attenuatis (no. 805, cum icone).

On decaying vegetables, binding the soil with down. Peradeniya, Nov. 1868.

Hyaline, extremely brittle; pileus  $2\frac{1}{2}$  inches across, cup-shaped, smooth, very thin; stem  $3\frac{1}{2}$  inches high,  $\frac{1}{8}$  thick, flexuous, irregular, fistulose, attenuated at the base; gills not a line broad, attenuated behind, but not running down further than the top of the stem, where the hollow commences, above which the flesh is not thicker than above the gills; very dark when dry.

89. A. (CLITOCYBE) CANDICANS, *P.* (No. 725, cum icone.)

On the ground. Peradeniya, Nov. 1868, Jan. 1869. Spores '00025' long.

90. A. (CLITOCYBE) EPIUS, *B. & Br.* Albus; pileo tenui e plano depresso stipiteque gracili glabris; lamellis angustissimis leviter decurrentibus (no. 947).

On the ground. Jan. 1869.

Pileus about 1 inch across, plano-convex, then more or less depressed, smooth, thin; stem 1–1 $\frac{1}{2}$  inch high, 1 line thick, smooth; gills arched, slightly decurrent,  $\frac{3}{8}$  line broad. Whole plant ochraceous when dry.

91. A. (CLITOCYBE) CONSPURCATUS, *B. & Br.* Sordide albus, subtiliter tomentosus; pileo depresso tenui carnosio toto particulis lineis-

que sordidis rugoso; stipite subæquali striato; lamellis angustis decurrentibus (no. 1205).

On the ground.

Pileus  $2\frac{1}{2}$  inches across, depressed, thin but fleshy, obtusely umbonate—when dry, looking as if sprinkled with the dark excrement of some insect; stem 2 inches high,  $\frac{1}{4}$  thick; gills not a line broad, decurrent. A very singular species, of very uncertain affinity.

92. A. (CLITOCYBE) PYRACES, B. & Br. Pileo plano-depresso rufo, margine lævi inflexo; stipite deorsum attenuato ochraceo striato; lamellis distantibus crassis subconcoloribus (no. 722).

On the ground. Peradeniya, July 1868.

Pileus 1 inch across, plano-depressed, smooth, rufous, margin inflexed; stem  $1\frac{1}{2}$  inch high, striate, nearly  $\frac{1}{2}$  an inch thick, smooth, ochraceous; gills distant, pallid, shortly decurrent.

Somewhat resembling *A. irrufatus*.

93. A. (CLITOCYBE) MYOCHROUS, B. & Br. Pileo convexo obtuso pulverulento-tomentoso estriato; stipite tenaci insititio pallidiore apice candido intus deorsum cinerascens; lamellis albidis adnato-decurrentibus, interstitiis reticulatis (no. 1178, cum icone).

On dead sticks. July 1869.

Pileus  $\frac{3}{4}$  inch across, convex, subcampanulate, mouse-coloured, clothed with pulverulent down, margin even; flesh white; stem 1 inch high, scarcely a line thick, solid, minutely velvety white above, cinereous within below; gills nearly horizontal, adnato-decurrent, nearly white, about 2 lines broad.

This species belongs to Fries's section *Versiformes*.

94. A. (CLITOCYBE) SPODOPHORUS, B. & Br. Rufulus; pileo subhemispherico umbilicato flocculis nigris obsito membranaceo; stipite sursum dilatato solido flocculento; lamellis adnatis denticulo decurrente acie nigra serrulata (no. 1215, cum icone).

On the ground. Sept. 1869.

Pileus  $\frac{1}{2}$  inch across, subhemispherical, slightly umbilicate, beset with black flocculent specks, membranaceous; stem dilated upwards, solid, covered, especially above, with delicate black flocci; gills few, adnate, with a decurrent tooth; edge serrulate, marked with interrupted black specks. General colour dull flesh-colour.

Allied to *A. laccatus*.

95. A. (CLITOCYBE) LACCATUS, Scop. (no. 846). (No. 949, cum icone.)

On the ground in the higher forests of the Central Provinces. Oct. 1868.

"Deep sanguineous; gills reddish yellow, sometimes red."

No. 949 is a large form deeply and broadly sulcate; gills very broad,

powdered with the echinulate globose spores '00035 inch in diam. ; stem striate, red-brown, dilated upwards.

Var. *AMETHYSTEUS* (no. 203 in part).

96. A. (*CLITOCYBE*) *SUBLACCATUS*, B. & Br. Pileo convexo laccato ; stipite sursum attenuato farcto lamellisq̄ue adnatis planis concoloribus (no. 894, cum icone).

On the ground. Peradeniya, Jan. 1869.

Pileus  $\frac{1}{2}$  inch across, convex, smooth, striate ; stem 1 inch high, paler, dilated upwards, springing from a downy stratum which runs a little way up, stuffed ; gills plane ; spores subglobose, '0002' in diameter.

No. 894\* is rather larger, with a stouter stem and even pileus.

97. A. (*CLITOCYBE*) *PORPHYRODES*, B. & Br. Pileo depresso squamuloso purpureo sulcato ; stipite subæquali fusco ; lamellis latis adnatis crassis distantibus interstitiis lævibus (no. 840).

On the ground. Peradeniya, Nov. 1868.

"Apparently very rare."

Pileus  $1\frac{1}{4}$  inch across, depressed or umbilicate, dark purple, sulcate, clothed with minute fibrillose scales ; stem  $1\frac{1}{4}$  inch high, 2 lines thick, brown ; gills broad, adnate ; spores subglobose, nucleate, '0002'-'00025' in diameter.

98. A. (*CLITOCYBE*) *VINOSO-FUSCUS*, B. & Br. Pileo convexo depresso sulcato fuligine consperso ; stipite brevi glabro ; lamellis latis adnato-decurrentibus distantibus crassis, interstitiis reticulatis (no. 96.)

On dead wood. Peradeniya, Nov. 1867.

Pileus 1 inch or more across ; stem  $1-1\frac{1}{2}$  inch high, 2 lines thick ; spores as in the last, to which it is closely allied.

99. A. (*COLLYBIA*) *ENDOCHORDA*, B. & Br. Pileo plano-depresso umbonato brunneo centro decolorante ; stipite basi incrassato radicante sordide lilacino, medulla discreta ; lamellis undulatis ventricosis adnato-decurrentibus (no. 703, cum icone).

On wood. Peradeniya, Aug. 1868.

Pileus 3 inches across, plane, depressed, broadly umbonate, brown, becoming paler in the centre, fleshy, flesh white ; stem 6 inches or more high,  $\frac{1}{2}$  thick in the centre, thickened at the base, rooting, dull lilac, transversely spotted above, white at the apex, stuffed with a separable white substance ; gills 5 lines broad, ventricose, undulated, adnate, decurrent ; spores '0008' long.

Habit of *A. radicans*.

100. A. (*COLLYBIA*) *MULTIJUGUS*, B. & Br. Cæspitosus, lentus ; pileo e companulato depresso sulcato-rugoso tenui ; stipite subæquali fistuloso ; lamellis latis adnatis postice rotundatis, interstitiis reticulatis (no. 692, cum icone).

On dead wood. Peradeniya, Nov. 1868.

Cæspitose, sometimes forked; pileus  $1\frac{1}{4}$ – $2\frac{1}{2}$  inches across, at first campanulate, umbonate, vinous red, gradually becoming depressed or umbilicate, at length dirty white, strongly sulcate, and rugose; stem very variable in thickness, fistulose, smooth, much paler than the pileus or white; gills  $\frac{1}{2}$ – $\frac{3}{4}$  an inch wide, waved, reddish or white; mycelium filamentous.

A very singular Agaric, apparently allied to *A. schizoxylon*, an undescribed species, of which we have a figure from the Swedish Museum.

101. *A. (COLLYBIA) APALOSARCUS*, B. & Br. Totus tener; pileo plano-convexo usque ad centrum striato; stipite brevi solido subæquali; lamellis ventricosis latis postice rotundato-adnexus margine crenatis (no. 699, cum icone).

On dead wood. Peradeniya, July, Aug., Nov. 1868.

“Very tender,” dirty white; pileus  $1\frac{1}{2}$  inch across, striate from the margin to the obtuse centre; flesh moderately thick, cinereous; stem 1 inch high,  $1\frac{1}{2}$  line thick, solid, smooth, distinct from the flesh of the pileus, truncate at the base; gills  $\frac{1}{4}$  inch broad, rounded behind, ventricose, nearly free, pallid; spores globose, ‘0008’–‘0006’ in diameter.

Undoubtedly allied to *A. magisterium*; but the drawing shows that it is a very different species. In some specimens the spores vary from ‘0003’ to ‘0009’ in diameter.

102. *A. (COLLYBIA) MAGISTERIUM*, B. & Br. Totus albidus; pileo late expanso carnosio molli obtusissimo margine crenato plicato; stipite apice basique dilatato discreto; lamellis latis serrulatis ventricosis crassis rotundato-adnatis (no. 768, cum icone).

On dead bark. Peradeniya, Sept. 1868.

“Soft and tender;” pileus 4–5 inches across, very obtuse, fleshy, margin crenate and striate; stem  $1\frac{1}{2}$  inch high,  $\frac{1}{2}$  inch thick in the centre, solid, fibrous within, quite distinct from the pileus, dilated above and below, truncate at the base; gills  $\frac{1}{2}$  inch broad, thick, ventricose, rounded behind, and broadly adnate serrulate; spores globose, ‘0006’–‘0008’ in diameter. The pileus densely pulverulent from the spores, which look like a *magisterium*. When dry, ochraceous or fuliginous.

103. *A. (COLLYBIA) EUPHYLLUS*, B. & Br. Ochraceo-albidus; pileo convexo obtusissimo subcarnoso estriato leviter maculato pulverulento; stipite brevi e farcto cavo basi dilatato truncato; lamellis latis sinuatis undulatis dente adnatis (no. 1201, cum icone) no. 731.

On dead wood. August 1865, July 1869.

Pileus  $1\frac{1}{2}$  inch across, hemispherical, plane above, pulverulent, minutely

spotted; flesh distinct from the stem, the substance of which, however, spreads above the gills; stem  $\frac{1}{2}$  inch high, 1 line thick in the centre, at length hollow; gills  $\frac{1}{2}$  inch broad, undulated, ventricose, adnate, with a little tooth. Spores '0006'-'0008' in diameter.

A miniature form of *A. magisterium*, with several distinctive characters.

104. *A. (COLLYBIA) CHRYSOROPHUS*, B. & Br. Pileo convexo tenui croceo lineato; stipite æquali pallidior e farcto cavo; lamellis pallidis distantibus dente adnatis (no. 858, cum icone).

On dead wood. Peradeniya, Dec. 1868.

Pileus about 1 inch across, convex, with occasionally a minute central papilla, orange with darker streaks; flesh white, thin; stem nearly equal, 1 inch high, stuffed, then hollow, truncate at the base; gills few, distant, very pale straw-colour, adnate, with a small decurrent tooth.

Evidently allied to *A. velutipes*, but with a smooth stem.

105. *A. (COLLYBIA) NEPHELODES*, B. & Br. Pileo hemisphærico centro leviter depresso subfulvo nebuloso estriato; stipite recto glabro fistuloso; lamellis latis albidis truncatis leviter adnatis (no. 1172, cum icone).

On the ground. June 30, 1869.

Pileus  $1\frac{1}{2}$  inch across, hemispherical, slightly depressed in the centre, sienna-brown, paler towards the margin, fleshy; flesh sienna-brown beneath the cuticle; stem 3 inches high,  $\frac{1}{4}$  thick, nearly white, fistulose; gills  $\frac{1}{2}$  inch broad, truncate behind, shortly adnate, pale straw-coloured.

Allied to *A. maculatus*. The pileus is curiously clouded. Spores oblong, '0005' by '00025'.

106. *A. (COLLYBIA) CUBISTES*, B. & Br. Pileo plano umbonato pulverulento estriato subcarnoso; stipite obliquo æquali albo-farcto; lamellis angustis postice rotundatis adnexis stramineis (no. 1158, cum icone).

Probably on dead wood. July 1869.

Pileus  $1\frac{1}{2}$  inch across, plane, with the edge slightly turned up, obtusely and broadly umbonate, pulverulent, subcarnose, margin even, dirty white; stem 2 inches high, 2 lines thick, flexuous, slightly tinged without and within with rufous; gills crowded, 1 line broad, straw-coloured; mycelium rooting.

Allied to *A. magisterium* and *A. euphyllus*.

107. *A. (COLLYBIA) DIMINUTUS*, B. & Br. Pileo e subcampanulato expanso subcarnoso albedo pulverulento; stipite brevi farcto; lamellis angustis adnatis (no. 1147, cum icone).

On dead wood. June 1869.

Dirty white; pileus  $\frac{1}{2}$  inch across, at first campanulate, then expanded, pulverulent, margin even; stem  $\frac{1}{4}$  inch high,  $\frac{3}{4}$  line thick, stuffed; gills crowded, narrow,  $\frac{1}{2}$  a line broad.

Allied to *A. cubistes*.

108. A. (COLLYBIA) VERTICOLOR, B. & Br. Pusillus, albidus; pileo convexo subcarnoso estriato; stipite æquali solido e basi floccosa oriundo; lamellis adnatis (no. 834, cum icone).

On dead bark. Peradeniya, Nov. 1868.

Gregarious; pileus  $\frac{1}{2}$  inch across, convex, slightly fleshy, dirty white; extreme margin fulvous, as is the whole plant when dry, pulverulent; stem  $\frac{3}{4}$  inch high, 1 line thick, solid, springing from an orbicular floccose base; gills moderately broad, adnate or slightly adnato-decurrent.

Allied, though distantly, to *A. velutipes*. Apparently, as in that species, the cuticle is of a gelatinous consistence.

108 bis. A. (COLLYBIA) CLARUS, B. & Br. Pileo convexo fulvo cuticula gelatinosa margine inflexo; stipite subæquali glabro; lamellis tenuibus ventricosis postice attenuatis flavis.

On dead wood. Peradeniya, Nov. 1867.

Pileus  $1\frac{1}{2}$  inch across: stem  $1\frac{1}{2}$  inch high.

Allied closely to *A. velutipes*.

No. 103, Gardner, is apparently the same species; but the specimens are in bad condition.

109. A. (COLLYBIA) SCOTODES, B. & Br. Pileo convexo umbonato subcinereo subtiliter tomentoso; stipite deorsum attenuato cavo albo fibrilloso; lamellis ventricosis subliberis candidis (no. 205, cum icone).

On the ground. Peradeniya, Oct. 1868, Jan. 1869.

Pileus  $1\frac{1}{2}$  inch across, convex, very obtusely umbonate, cinereous, paler towards the margin, not striate; stem 1 inch high,  $\frac{1}{4}$  thick in the centre, at length hollow, the cavity extending nearly to the top of the umbo, fibrillose, white; gills 2 lines wide, white, ventricose, nearly free; spores '000125' long.

There is a form with the pileus chestnut-coloured (*A. contrarius*, B. & Br., MSS.), the stem of the same colour and rooting, and the gills ochraceous sinuated behind. Nov. 1867. Pileus 2 inches across; stem 2 inches high,  $\frac{1}{4}$  thick.

110. A. (COLLYBIA) SPARSIBARBIS, B. & Br. in Linn. Tr. xxvii. p. 151. (No. 697, cum icone.)

On the ground. Peradeniya, July, August 1868.

Eaten by the Cingalese. Allied to *A. curhizus*.

111. A. (COLLYBIA) *RUFIPICTUS*, B. & Cr. Pileo e campanulato plano striato umbrino subvirgato; stipite solido radicante intus umbrino; lamellis angustis liberis (no. 707, cum icone).

On the ground. Peradeniya, Nov. 1868.

Pileus nearly 2 inches across, at first campanulate, then plane, umber streaked with darker lines, margin striate; flesh white except beneath the cuticle; stem 2 inches high,  $1\frac{1}{2}$  line thick, solid, umber within; gills crowded, 1 line broad, arched, rounded behind, free, pale umber.

Without a sight of fresh specimens it may be doubtful whether this should not be referred to *Marasmius*.

112. A. (COLLYBIA) *DRYOPHILUS*, Bull. (No. 702\*, cum icone.)

Amongst dead vegetable remains. Peradeniya, Sep. 1868.

113. A. (COLLYBIA) *LEUCOPHÆUS*, B. & Br. Tener, pileo plano depresso tenuissimo subrugoso fusco, stipite fistuloso stricto subconcolori glabro pilis brevibus circumdato; lamellis angustissimis arcuato-adnexus confertis (no. 204, cum icone).

On the ground.

Pileus 1 inch across, dark brown, plane, depressed, very thin, slightly rugose; stem  $1\frac{3}{4}$  inch high,  $\frac{3}{4}$  line thick, fistulose; gills very narrow, crowded, nearly white, arcuate, adnexed.

Allied to *A. ocellatus*. Contracts very much and loses its colour in drying.

114. A. (COLLYBIA) *OMOTRICHUS*, B. in Hook. Lond. Journ. vol. iii. p. 410; Gardn. no. 10.

On the roots of plants. Peradeniya, May 1844. Uitenhage.

115. A. (COLLYBIA) *STUPPARIUS*, B. & C. Linn. S. I. x. p. 285.

(No. 101 in part. Cuba, no. 75.)

On dead vegetables. Peradeniya, Nov. 1867.

116. A. (MYCENA) *MYODERMA*, B. & Br. Pileo campanulato tenero subcinereo piloso; stipite concolori fibrilloso fistuloso; lamellis uncinatis adnatis pallido-carneis (855 bis, cum icone).

On the ground. Peradeniya, Dec. 1868.

Pileus  $\frac{3}{4}$  inch across, cinereous, clothed with short hairs; stem  $1\frac{1}{2}$  inch high, fistulose, streaked; gills 1 line broad, ascending, uncinato-adnate.

Allied to *A. cohærens*.

117. A. (MYCENA) *MELANATOMUS*, B. & Br. Pileo campanulato-striato stipiteque solido particulis fuscis inspersis; lamellis antice latioribus, postice arcuato-adnexus (no. 855\*\*\*, cum icone).

On the ground. Dec. 1868.

Pileus  $\frac{1}{2}$  an inch across, campanulate, grey, sprinkled with brown parti-

cles, as is the stem,  $1\frac{1}{2}$  inch high,  $\frac{1}{2}$  a line thick; gills cinerous, ventricose, arched behind, and adnexed.

118. A. (MYCENA) *ÆTITIS*, Fr. (No. 1194, cum icone.)

On dead wood. July 1869.

119. A. (MYCENA) *PALLIDO-RUBENS*, B. & Br. Rubidus: pileo campanulato membranaceo sulcato-striato, carne disci alba; stipite brevi truncato fistuloso; lamellis ventricosis postice sinuato-affixis (no. 1179).

On dead wood. July 1869.

Whole plant, with the exception of the flesh of the disk, dull reddish; pileus  $\frac{1}{2}$  inch across, campanulate, sulcate; stem  $\frac{1}{4}$  inch high,  $\frac{3}{4}$  line thick, truly fistulose, truncate at the base, where it is slightly thickened; gills ventricose, shortly adnate, 1 line wide.

No. 937 is possibly the same species. Spores '0003' by '00025', echinulate.

120. A. (MYCENA) *SILENUS*, B. & Br. Pusillus, pileo campanulato striato rubro carnosio; stipite brevi fistuloso pallidiore; lamellis ventricosis breviter adnatis (no. 1162, cum icone).

On dead wood. July 1869.

Pileus  $\frac{1}{4}$  inch across, campanulate, striate, dark vinous red, fleshy, with a minute papillæform umbo; flesh white; stem  $\frac{1}{4}$  inch high,  $\frac{3}{4}$  line thick, paler than the pileus, fistulose; gills ventricose, slightly adnate, deep red. Whole plant, when dry, with the exception of the flesh, deep red.

121. A. (MYCENA) *HÆMATERUS*, B. & Br. Sanguineus; pileo campanulato umbone papillæformi; stipite curvo farcto; lamellis ventricosis dente adnexis (no. 854, cum icone).

On dead wood. Dec. 1868.

Cæspitose, dark blood-red; pileus scarcely  $\frac{1}{2}$  inch across, campanulate, with a large nipple-shaped umbo, smooth, even; stem  $\frac{3}{4}$  inch high,  $\frac{1}{2}$  line thick, with a slender cavity; gills narrow, ventricose, attenuated behind, adnexed, sometimes slightly decurrent.

122. A. (MYCENA) *FILOPES*, Bull. (No. 938.)

On the ground. Peradeniya, Jan. 1869.

123. A. (MYCENA) *ACICULA*, Schæff. (No. 816 bis, cum icone.)

On rotten sticks. Nov. 1868, Jan. 1869.

124. A. (MYCENA) *CITRINELLUS*, P. (No. 929, cum icone.)

On dead wood. Peradeniya, Dec. 1868.

125. A. (MYCENA) *STYLOBATES*, P.

On dead wood. Peradeniya, Jan. 1869.

The specimens are darker than usual, but have exactly the same radiated disk.

126. A. (*MYCENA*) *CLAVULIFER*, *B. & Br.* *Tenerrimus*, albus; pileo hemisphærico setis clavuliformibus obsito; stipite e disco orbiculari oriundo; lamellis ventricosis (no. 803).

On decayed vegetable matter. Peradeniya, Nov. 1868.

Extremely delicate, white; pileus about a line across, convex, beset with clavate stiff hairs; stem  $\frac{1}{4}$  inch high, filiform, springing from an orbicular radiately striate base; gills ventricose; spores ovate, '0003' long.

127. A. (*MYCENA*) *TENERRIMUS*, *B. Outl.* p. 129. (No. 861.)

On dead wood. Peradeniya, Dec. 1868.

Spores '00025' long.

- 127\*. A. (*MYCENA*) *CORTICOLA*, *Schum.* (No. 1217, cum icone).

On bark. Aug. 1869.

A white variety with pale-brown flesh.

128. A. (*MYCENA*) *HELISCUS*, *B. & Br.* Pileo hemisphærico sulcato plumbeo stipiteque capillari albo pruinosis; lamellis paucis crassis adnatis (no. 944, cum icone).

On dead twigs. Jan. 1869.

Gregarious; pileus 1 line across, hemispherical, lead-coloured, deeply sulcate, pruinose; stem 1 inch high, white, thread-shaped, pruinose like the pileus; gills few, thick, white, adnate.

129. A. (*MYCENA*) *PÆDISCULUS*, *B. & Br.* *Candidus*, minimus, pileo subgloboso sulcato; stipite capillari, lamellis adnatis (no. 828).

On dead wood. Peradeniya, Oct. 1868.

Pileus  $\frac{1}{2}$  line across; stem 1 line high.

130. A. (*MYCENA*) *PERONE*, *B. & Br.* *Pusillus*, gregarius; pileo convexo umbonato pallido; stipite recto albo; lamellis ventricosis adnatis (no. 898, cum icone).

On the ground. Peradeniya, Jan. 1869.

Densely gregarious; pileus scarcely 2 lines across, convex, umbonate, dirty white; stem straight,  $\frac{1}{3}$  inch high, not  $\frac{1}{4}$  line thick, white; gills ventricose, slightly adnate; spores '00018' long.

131. A. (*OMPHALIA*) *HOLOCHLORUS*, *B. & Br.* Pileo membranaceo e convexo subinfundibuliformi flocculoso striato luteo; stipite dilatato fistuloso; lamellis decurrentibus citrinis (no. 1146, cum icone).

On dead wood. June 1869.

Pileus 1 inch across, at first convex, umbilicate, then subinfundibuliform, membranaceous, flocculose, striate, brownish yellow; stem  $\frac{3}{4}$  inch high, dilated above, fistulose, yellow, like the distant arched decurrent gills.

Certainly allied to *A. chrysophyllus*; but the pileus is a dark

red-brown when dry, and the gills lemon-coloured rather than yolk-of-egg colour; the gills, moreover, are not so decurrent. Whole plant rufous when dry.

132. A. (OMPHALIA) *VIRIDI-CARNEUS*, B. & Br. Pileo tenui crenato sulcato carneo-virescente; stipite curvo cartilagineo fistuloso fulvo; lamellis albo-carneis adnato-decurrentibus distantibus (no. 862, cum icone).

On dead wood, Oct. 1865.

Pileus  $\frac{3}{4}$ –1 inch across, thin, umbilicate, crenate, sulcate, either entirely flesh-coloured or greenish with the margin pink; stem curved, tawny, or pallid; gills 1 line broad, waved, adnato-decurrent.

133. A. (OMPHALIA) *LYCHNODES*, B. & Br. Pileo umbilicato, dein cyathiformi cinereo sulcato; stipite porrecto glabro fistuloso candido; lamellis distantibus ventricosis adnato-decurrentibus (no. 1181 cum icone).

On dead wood. July 1869.

Pileus  $1\frac{1}{2}$  inch across, at first umbilicate, then cyathiform, ash-coloured, sulcato-striate; stem  $1\frac{1}{2}$  inch high,  $1\frac{1}{2}$  line thick, subhorizontal or ascending, smooth, white; fistulose; gills white,  $1\frac{1}{2}$  line broad, slightly ventricose, attenuated behind, distant, subdecurrent.

134. A. (OMPHALIA) *CIRRHOCEPHALUS*, B. & Br. Pileo ex umbilicato depresso nitide gilvo; stipite undulato solido pallidiore; lamellis pallidis decurrentibus (no. 959, cum icone).

On dead wood. Peradeniya, Jan. 1869.

Pileus scarcely  $\frac{3}{4}$  inch across, bright yellow-red, smooth; stem  $\frac{3}{4}$  inch high, 1 line thick, undulated, smooth, paler than the pileus within and without; gills 1 line wide, pallid, decurrent, distant, interstices venose in front.

A very pretty little species, closely allied to the following.

135. A. (OMPHALIA) *SALMONICOLOR*, B. & Br. Pileo depresso margine sulcato arcuato pallide salmonicolori glabro; stipite brevi insititio farcto glabro; lamellis angustis postice attenuatis breviter decurrentibus (no. 782\*, cum icone).

On dead wood. Peradeniya, Jan. 1869.

Pileus 1 inch across, depressed, with the margin arched, sulcate, smooth, pale salmon-coloured; stem  $\frac{1}{2}$ – $\frac{3}{4}$  inch high,  $\frac{3}{4}$ –1 line thick, equal, attached by a little disk, truncate, paler than the pileus, smooth, stuffed; gills very narrow, of the same colour as the pileus, attenuated behind, slightly decurrent, distant, interstices venous towards the margin.

136. A. (OMPHALIA) *UMBELLIFERUS*, L.

Var. pileo nigro non hygrophano, stipite lamellisque candidis vel pallido-carneis (no. 951, cum icone). Jan. 1869.

A larger form is Gardn. no. 37 and (*monstrosus*) no. 35, stem confluent.

137. A. (OMPHALIA) *ANTHIDEPAS*, B. & B. Pileo depresso cyathiformique sulcato subtiliter fibrilloso; stipite sursum dilatato e farcto cavo; lamellis distantibus longe decurrentibus latis distantibus (no. 751, cum icone).

On dead wood. Peradeniya, Dec. 1868, Jan. 1869.

Pileus  $1\frac{1}{2}$ –2 inches across, dirty white, sulcate, marked with livid fibrils; stems  $2\frac{1}{4}$  inches high, 1 line thick in the centre, smooth; gills 2 lines broad, arcuate, distant, decurrent.

Allied to *A. lychnodes*, but differing in the fibrillose pileus, and the border not being so strongly involute. Spores '00025' long.

138. A. (OMPHALIA) *PERI*, B. & Br. Niveus; pileo membranaceo ex umbilicato infundibuliformi pulverulento estriato immutabili; stipite deorsum attenuato filiformi; lamellis confertis angustissimis adnato-decurrentibus (no. 1192, cum icone).

On the ground. July 1869.

Gregarious, snow-white; pileus  $\frac{3}{4}$  inch across, membranaceous, pulverulent, even at first umbilicate, then infundibuliform, slightly undulated; stem  $\frac{1}{2}$  inch high, not  $\frac{1}{2}$  a line thick, solid; gills scarcely  $\frac{1}{2}$  a line broad, crowded, adnato-decurrent.

Closely allied to *A. scyphoides*; but the pileus does not change colour in drying, the gills are much narrower, the stems more slender, and it is a more graceful species. There is sometimes a little down at the base of the stem.

139. A. (OMPHALIA) *MICROMELES*, B. & Br. Pusillus; pileo subinfundibuliformi hyalino; stipite brevissimo; lamellis paucis angustis decurrentibus (no. 1177, cum icone).

On dead wood. July 1869.

White, with sometimes a tinge of yellow; pileus scarcely 2 lines across, much depressed, striate; stem 1 line high, with a narrow central tube; gills few, very narrow, decurrent.

Closely allied to *A. microscopicus*.

140. A. (OMPHALIA) *DELICIA*, B. & Br. Pileo campanulato umbilicato, umbonato, striato, tomentoso; stipite brevi gracili basi incrassato, e filis radiantibus oriundo sursum pulverulento; lamellis decurrentibus (no. 398).

On dead sticks. July 1869.

Pileus 2–3 lines across.

- 140\*. A. (PLEUROTUS) *DRYINUS*, P. Gard. (No. 88, cum icone.)

On dead wood.

141. A. (PLEUROTUS) *ANGUSTATUS*, B. & Br. Cæspitosus; pileo excentrico flabelliformi glabro cinereo; stipite elongato cylindrico albo, deorsum incrassato reticulato; lamellis albis decurrentibus (no. 202).

On dead wood. Nov. 1867.

Cæspitose; pileus  $1\frac{1}{2}$  inch across, excentric, subflabelliform, smooth, cinereous; stem  $1\frac{1}{2}$  inch high,  $\frac{1}{4}$  thick, cylindrical, white, reticulate, often connate at the base; gills white, thin, decurrent; spores oblong, slightly curved, '0003' long.

142. A. (PLEUROTUS) *RIGESCENS*, B. & Br. Pileo e suborbiculari flabellato lobato glabro rufo zonato, sicco rugoso; stipite distincto subæquali deorsum nigricante; lamellis angustissimis omnibus una decurrentibus (no. 695, cum icone; no. 97, 88, in part).

On dead wood. Peradeniya, Nov. 1867, July 1868.

Pileus at first suborbicular, then flabelliform and lobed, smooth, wrinkled and rigid when dry, rufous-zoned; stem short, distant, cylindrical, dark at the base; gills very narrow, all ending abruptly.

143. A. (PLEUROTUS) *POLYCHROMUS*, B. & Br. Pileo suborbiculari excentrico glabro variicolori, carne alba; stipite brevi cylindrico albo farinaceo lamellisque angustis confertis postice attenuatis candidis (no. 960, cum icone).

On dead wood. Peradeniya, Jan. 1869.

Pileus  $\frac{3}{4}$ –1 inch across, excentric, sometimes quite lateral, convex, pale towards the margin, the disk, which is sometimes swollen, variously tinted with rufous and lilac; stem 1–2 lines high, white, farinaceous; gills white, very narrow and crowded, attenuated behind.

144. A. (PLEUROTUS) *GALEÆFORMIS*, B. & Br. Pileo obliquo tenui striato galeæformi, postice rufo; stipite cylindrico, deorsum polito, fusco e basi orbiculari oriundo; lamellis latis, interstitiis venosis (no. 1207, cum icone).

On dead wood. Peradeniya, June 1869.

Pileus  $\frac{3}{4}$  inch across, and as much high, helmet-shaped, thin, striate, pale in front, rufous behind; stem 2 lines high, cylindrical, polished, not a line thick; gills pale ochraceous, rather broad, interstices venous.

145. A. (PLEUROTUS) *FLABELLATUS*, B. & Br. Pileo flabelliformi tenui candido vel rubescente tomentoso glabrescente postice attenuato; stipite brevissimo tomentoso; lamellis angustis decurrentibus (no. 88, no. 92 in part).

On dead wood. Peradeniya, Aug., Nov. 1867, Aug. 1868.

Pileus 1– $1\frac{1}{2}$  inch across, flabelliform, white, sometimes tinged slightly with red, attenuated behind, and ending in a very short tomentose

stem; gills white, narrow, decurrent; spores oblong, with a little point at the base, '0004' long.

Adhering to the wood by a spongy base. It occurs also in Venezuela.

146. A. (PLEUROTUS) SCYTOCEPHALUS, B. & Br. Candidus; pileo orbiculari galeæformi glabro, margine involuto; stipite brevi deorsum attenuato glabro; lamellis angustis decurrentibus (no. 20).

On dead wood. Nov. 1867.

Pileus  $\frac{1}{2}$ – $\frac{3}{4}$  inch across, suborbicular, cuculliform, smooth; margin involute; stem about 1 line high and thick, smooth, distinct, incrassated upwards; gills narrow, decurrent; spores oblong, '00025' long. Distinguished at once from the last by the smaller spores.

147. A. (PLEUROTUS) LEPTOGRAMME, B. & Br. Pileo flabelliformi tomentoso lineis tenuibus versus marginem notato; stipite obsoleto; lamellis ventricosus candidis.

On dead wood. Nov. 1867.

Pileus 3 inches across, flabelliform, attenuated behind, tomentose, marked with little close-pressed fibrils in front; stem very short, almost obsolete, white, tomentose; gills ventricose, attenuated behind, white; spores '0002'–'0003' long.

Allied to *A. serotinus*. Margin involute.

148. A. (PLEUROTUS) VERSIFORMIS, B. in Hook. Lond. Journ. vi. p. 484.

In forests, on mossy branches. Talagalla, Feb. 1846 (*Gardner*).

149. A. (PLEUROTUS) TESTUDO, B. l. c. p. 485; *Gard.* no. 41.—*A. barbatus*, B. & C. (no. 88) in part.

On dead wood. Hautane. June 1844, *Gardner*. Peradeniya. Cuba, no. 44.

150. A. (PLEUROTUS) SUBBARBATUS, B. & C. in Linn. S. J. x. p. 288. Cuba, no. 808 (no. 89).

On dead wood. Peradeniya, Aug., Dec.

No. 391 is a tender variety, which comes very close to *A. striatulus*. This at length collapses and clings close to the matrix as in a state of *A. applicatus*, forwarded by Prof. Fries.

151. A. (PLEUROTUS) SEMISUPINUS, B. & Br. Pileo primum Pezizæformi villosio demum semisupino; lamellis ventricosus circa discum tomentosum sitis (no. 181).

On dead twigs and leaves. Peradeniya, Sept., Dec.

Pileus 2 lines across, at first appearing under the form of a snow-white pezizæform body, which gradually opens and exposes the gills, which are arranged round a central villous disk, at length half reflexed. The gills in age acquire a reddish tinge. Spores subglobose, '0004'–'0005' long.

152. A. (VOLVARIA) *TERASTIUS*, B. & Br. in *Linn. Tr.* xxvii. p. 151, tab. 34. (No. 689\*, cum icone.)

On the ground. Peradeniya, July–Nov. 1868.

Specimens with perfect spores have lately been received, which show that it is not an *Amanita* as originally supposed. Spores .00025'–.0002' long.

153. A. (VOLVARIA) *GEASTER*, B. & Br. Pileo campanulato sericeo-striato fusco; volva lævi lobata intus candida extus umbrina lobis reflexis (no. 822, cum icone).

On the ground. Peradeniya, Nov. 1868.

The only specimen is unfortunately in a young state, and the gills immature. It so closely resembles a *Geaster* that Mr. Thwaites thought that it was one till he divided it. Margin pale, closely striate.

154. A. (VOLVARIA) *VOLVACEUS*, Bull. (No. 790.)

On the ground. Peradeniya, Nov. 1868.

There is a pale variety with very broad gills.

155. A. (VOLVARIA) *PSEUDO-VOLVACEUS*, B. & Br. Pileo conico-convexo fibrilloso; stipite sursum incrassato e volva bifida fuliginosa oriundo; lamellis ventricosus liberis; sporis minoribus (no. 709, 777, 790 in part).

On the ground. Peradeniya, Nov.–Dec. 1868, Jan. 1869.

Differs from the last in the smaller size of the spores, which are .00015'–.0002' long.

156. A. (VOLVARIA) *DIPLASIUS*, B. & Br. in *Linn. Tr.* xxvii. p. 151, tab. 33 c. (No. 689, cum icone.)

On the ground, springing from rotten wood. Peradeniya, July 1868.

Spores .00028'–.0003' long.

157. A. (VOLVARIA) *APALOTRICHUS*, B. & Br. Pileo convexo subcarnoso subtiliter piloso virgatove cinereo, carne alba; stipite gracili e volva parva libera oriundo solido; lamellis ventricosus (no. 709, cum icone).

On the ground. Peradeniya, Nov. 1868.

Pileus 1–1½ inch across, delicately pilose or virgate subcarnose; flesh white; stem 2 inches high, 1 line thick in the middle, smooth, solid, springing from a small bilobed free volva; gills slightly ventricose; spores .0002' long.

158. A. (VOLVARIA) *COLEATUS*, B. & Br. Pileo convexo subcarnoso, subtiliter piloso, cinereo; stipite subæquali e volva vaginata oriundo solido; lamellis angustis (no. 709\*, cum icone).

On the ground. Peradeniya, July, Aug. 1868.

Pileus 1½ inch across, convex, obtuse, clothed with delicate hairs, ci-

nereous: stem  $1\frac{1}{2}$  inch high,  $1\frac{1}{2}$  line thick, rather contracted in the centre, undulated, with corresponding darker portions within, springing from a close sheath-like volva; gills about a line broad, not ventricose, free; spores '00025' long.

Closely allied to the last, but differing in several important particulars.

159. A. (VOLVARIA) MICROCELIUS, *B. & Br.* Pileo e campanulato plano fibrillis sparsis obsito; stipite gracili; lamellis angustis ventricosis; sporis globosis (with no. 709).

On the ground. Peradeniya, Nov. 1868.

Pileus  $\frac{1}{2}$  inch across, livid, clothed with scattered hairs; stem 1 inch high,  $\frac{1}{2}$  line thick; volva dark; gills narrow; spores globose, '00025' in diameter.

160. A. (VOLVARIA) GLANDIFORMIS, *B. & Br.* Pileo ovato obtuso estriato glabro; stipite sursum attenuato e volva cupulæformi multipartita intus pubescente oriundo; lamellis tarde carneis (no. 946, cum icone).

On dead wood. Peradeniya, Dec. 1868.

Pileus  $\frac{1}{2}$  inch across, snow-white, smooth, ovate obtuse; flesh white; stem  $\frac{1}{2}$  inch high,  $\frac{1}{2}$  line thick, white, springing from a multifid cup-shaped volva, which is tomentose within; gills very pale flesh-colour; spores ovate, '00025' long.

161. A. (PLUTEUS) CERVINUS, *Schæff.; Gardn.* (nos. 22-98); *Thwaites* (no. 760\*\*\*, cum icone).

On dead wood and on the ground. Hautane (*Gardner*), Sept. 1844. Peradeniya, Sept. 1868.

Spores subglobose, '00025' long.

162. A. (PLUTEUS) SUBCERVINUS, *B. & Br.* Pileo convexo fibrilloso-picto cervino; stipite subæquali albo fibrilloso solido; lamellis ventricosis postice rotundatis; sporis ovatis (no. 917).

On dead wood. Peradeniya, Jan. 1869.

Pileus livid-brown,  $1\frac{1}{2}$  inch across; stem 1 inch high, about a line thick; spores ovate, '0002 long.

Smaller than the last, and with different spores.

163. A. (PLUTEUS) ÆOLUS, *B. & Br.* Pileo convexo areolato particulis nigris obsito; stipite basi dilatato; lamellis falciformibus (no. 925).

On dead wood. Peradeniya, Dec. 1868.

Pileus 2 inches across, convex, covered with sooty particles, which are so disposed as to leave paler spots; stem 3 inches high, 2 lines thick, solid, dilated at the base; gills falciform; spores globose. '00025 in diameter.

Allied to *A. cervinus*.

164. A. (PLUTEUS) PSICHIOPHORUS, *B. & Br.* Pileo e campanulato plano fortiter umbonato lurido miculato; stipite tenui basi incrassato; lamellis latis (no. 915).

On dead wood. Peradeniya, Jan. 1869.

Pileus 1 inch across, at first campanulate, then convex, expanded or slightly depressed, strongly umbonate, brown, clothed with scattered little scales or patches; stem 1 inch or more high, thickened at the base; gills broad, ventricose; spores globose, '00025' in diameter.

165. A. (PLUTEUS) SPILOPUS, *B. & Br.* Pileo convexo, carnoso, obtusissimo, atro-fusco, floccoso-virgato, carne medio crassa candida; stipite basi incrassato particulis nigris insperso solido; lamellis ventricosis latis postice attenuatis remotis carneis (no. 1167, cum icone).

On sandy soil. July 1869.

Pileus 2 inches across, convex, very obtuse, dark brown with paler streaks; flesh white, thick in the centre; stem  $1\frac{3}{4}$  inch high,  $\frac{1}{2}$  thick in the centre, solid, white within, sprinkled with black specks, thicker below; gills 3 lines or more broad, ventricose in front, attenuated behind, and having a broad space round the top of the stem; spores subglobose, with a large nucleus, '0003' in diameter.

Remarkable amongst its allies for the gills being strongly attenuated behind.

166. A. (PLUTEUS) ALBO-LINEATUS, *B. & Br.* Pileo campanulato umbonato atro-cinereo albo-lineato; stipite flexuoso sursum attenuato solido in umbonem immerso; lamellis undulatis ventricosis postice rotundatis liberis remotis (no. 757, cum icone).

On dead wood.

Pileus  $1\frac{1}{2}$  inch across, umbonate, livid-brown variegated with white lines; flesh brown under the cuticle; stem flexuous, 2 inches high, 2 lines thick in the centre, attenuated from the base upwards, sunk into the umbo; gills pale pink, undulated, slightly ventricose, rounded behind, remote, nearly 2 lines broad; spores subglobose, '00025' long.

167. A. (PLUTEUS) NANUS, *P.* (No. 760\*\*.)

On dead wood.

Spores globose, '00025' in diameter.

168. A. (PLUTEUS) GLYPHIDATUS, *B. & Br.* Pileo e campanulato plano l. depresso pallido particulis parvis pulverulento, margine striato; stipite citrino solido; lamellis remotis liberis crenulatis (no. 707, cum icone).

On dead wood. Peradeniya, Aug.-Dec. 1868.

Pileus  $1\frac{1}{2}$  inch across, campanulate, obtuse, or with an obtuse umbo, then plane or depressed, lemon-coloured, or tinged with cinereous, thin; flesh white, dark beneath the cuticle; stem  $1\frac{1}{2}$  inch high, 2 lines

thick, generally attenuated upwards, solid, lemon-coloured, sometimes slightly twisted; gills segmentiform, rounded behind, remote, at first white, slightly tinged with yellow, then rose-coloured; spores globose, '00025' in diameter.

Undoubtedly nearly allied to the last; but, as appears from the numerous drawings, the campanulate pileus and crenate gills are distinctive.

No. 860 is a variety, "dull, transparent, white or pale gilvous." Pileus  $\frac{3}{4}$  inch across.

169. A. (PLUTEUS) STIGMATOPHORUS, *B. & Br.* Pileo convexo umbonato demum depresso fuliginoso stipiteque basi incrassato pallido particulis concoloribus obsitis; lamellis ventricosis (no. 918, cum icone).

On dead wood. Peradeniya, Jan. 1869.

Pileus 2 inches across, convex, then depressed, fuliginous, clothed with minute sooty particles; stem  $1\frac{1}{2}$ –2 inches high, dilated at the base, truncate, clothed like the pileus with dingy scattered particles; gills broad, ventricose; spores globose, '00025' in diameter.

170. A. (PLUTEUS) ESCHARITES, *B. & Br.* Pileo convexo umbilicato squamulis minutissimis obsito, margine striato; stipite sursum incrassato griseo-glaucobasi truncato; lamellis fuliginosis falciformibus postice attenuatis (no. 868, cum icone).

On dead wood. Jan. 1869.

Pileus  $\frac{3}{4}$  inch across, convex, umbilicate, brown, covered with minute dot-like scales; margin striate; stem  $1\frac{1}{2}$  inch high, dilated upwards, curved and truncate at the base, fibrillose, stuffed; gills falciform; spores globose, '00022' in diameter.

171. A. (PLUTEUS) BRUNNEO-PICTUS, *B. & Br.* Pileo convexo fortiter umbonato lineis fibrillosis picto brunneo; stipite candido; lamellis ventricosis postice rotundatis (no. 916, cum icone).

On dead wood, Peradeniya, Dec.–Jan.

Pileus  $\frac{3}{4}$  inch across, convex, with a strongly developed papillæform umbo streaked with brown fibrillæ; stem nearly equal, white, stuffed; gills pale, ventricose, rounded behind; spores ovate, '00025' long.

Differs from *A. psychiophorus* in the marking of the pileus, and in the ovate not globose spores.

172. A. (PLUTEUS) CONIZATUS, *B. & Br.* Pileo plano tenui umbonato in particulas pulveraceas hic illic fracto, margine striato; stipite sursum attenuato; lamellis ventricosis postice rotundatis remotis; sporis globosis (no. 757\*\*, cum icone).

On dead wood. Peradeniya, Oct., Nov. 1868.

Pileus 3 inches across, plane, umbonate, pale gilvous, striate, the surface broken up into minute powdery patches, at length leaving the substratum exposed in parts; stem 3 inches high,  $\frac{3}{8}$  thick in the centre, attenuated from the base upwards, lemon-coloured, solid; gills  $\frac{1}{2}$  inch broad, ventricose, rounded behind, free, remote; spores globose, '00028' in diameter. "Tough and elastic."

173. A. (PLUTEUS) MARMORATUS, B. & Br. Pileo convexo fortiter umbonato marmorato; stipite recto truncato torto striato solido; lamellis segmentiformibus postice rotundatis approximatis (no. 754\*, cum icone).

On rotten wood. Dec. 1868.

Pileus  $1\frac{3}{4}$  inch across, pale gilvous, marbled with darker lines; stem  $1\frac{1}{2}$  inch high,  $\frac{1}{4}$  thick, truncate at the base, twisted, striate, the striæ following the twisting of the stem; gills nearly  $\frac{1}{4}$  inch across.

174. A. (PLUTEUS) PULVINUS, B. & Br. Pileo convexo fortiter umbonato striato particulis pulveraceis consperso; stipite subæquali solido; lamellis latis ventricosis approximatis (no. 757\*\*\*, cum icone).

On dead wood. Peradeniya, Nov. 1868.

Spores '00025' long.

The cuticle does not chip off as in *A. conizatus*; gills nearly  $\frac{1}{4}$  inch broad.

175. A. (PLUTEUS) AGLÆOTHELES, B. & Br. Mollis, tener; pileo convexo expanso obtuso albido glabro; margine tenui estriato; stipite horizontali subæquali albo solido; lamellis rotundato-liberis (no. 1189, cum icone).

On dead wood. July 1869.

Subcæspitose, soft, tender; pileus 3 inches or more across, convex, expanded, very obtuse, smooth, dirty white, slightly wrinkled at the apex; flesh thick in the centre, white; stem horizontal, 3 inches long,  $\frac{1}{4}$  thick, smooth, white, solid, nearly equal, a little thicker at the base; gills 4 lines broad, ventricose, rounded behind, free; spores '00025' long, cystidia urn-shaped.

Allied to *A. roseo-albus*.

176. A. (PLUTEUS) FUSCO-NIGRICANS, B. & Br. Pileo tenui convexo fortiter umbonato atomato-pruinato striato; stipite obliquo albido fistuloso; lamellis latis ventricosis postice rotundatis liberis (no. 1150, cum icone).

On dead wood. June 1869.

Pileus 1 inch across, dark brown, convex, strongly umbonate, striate, clothed with powdery particles; stem 1 inch high, scarcely 1 line thick, dirty white, fistulose; gills 2 lines broad, ventricose, rounded behind, free; spores ovate, '00025' long.

Differs from *A. nanus* in the umbonate pileus, fistulose stem, and ovate spores.

177. A. (PLUTEUS) *GRANDINEUS*, *B. & Br.* Pileo e convexo depresso verruculis minutis pulveraceis obsito; stipite subæquali; lamellis latis ventricosus liberis (no. 919).

On dead wood. Peradeniya, Dec. 1868.

Pileus 1 inch across, fawn-coloured, convex, then depressed, beset with minute pulverulent granules; stem  $1\frac{1}{2}$  inch high, downy at the base; gills 2 lines or more broad; spores ovate, '0003' long.

178. A. (PLUTEUS) *PHLEBOPHORUS*, *Dittm. Gardner*, no. 46.

On dead wood. Hautane, 1844.

179. A. (PLUTEUS) *EUGRAPTUS*, *B. & Br.* Pileo plano leviter umbonato umbrino lineis obscurioribus radiato; stipite curvo sursum pallido basi umbrino farcto; lamellis leviter ventricosus umbrino-carneis (no. 1148, cum icone).

On dead wood. June 1869.

Pileus  $\frac{3}{4}$  inch across, plane, slightly umbonate, membranaceous, smooth, umber marked with radiating darker striæ; stem  $\frac{3}{4}$  inch high, not a line thick, pale above, umber below, stuffed; gills pinkish, slightly ventricose, about a line wide in the middle; spores subglobose or broadly elliptic, '00025' long.

Allied to *A. umbrinellus*.

180. A. (PLUTEUS) *PELINUS*, *B. & Br.* Pileo convexo argillaceo, carne alba; stipite subæquali concolore; lamellis latis ventricosus carneo-subconcoloribus (no. 920, cum icone).

On dead wood. Peradeniya, Dec. 1868.

Pileus 1 inch across, convex, dirty yellow-brown, mottled, obscurely pulverulent; stem 1 inch high, 1 line thick, of the same colour within and without, stuffed, nearly equal; gills nearly 2 lines broad, tinged with pink; spores ovate, '0003' long.

181. A. (PLUTEUS) *BALANATUS*, *B. & Br.* Pileo glandiformi glabro; stipite striato sursum attenuato farcto; lamellis ventricosus liberis (no. 943, cum icone).

On dead wood. Peradeniya, Dec. 1868.

Pileus acorn-shaped,  $\frac{1}{2}$  inch across in the middle, smooth, white, mottled with pink specks; stem 1 inch high, 1 line thick, white, stuffed; gills 1 line broad, pale-pink; flesh white, except just above the gills, where it is red.

- 181\*. A. (ENTOLOMA) *ARDOSIACUS*, *Bull.*

Var. *AGAUS*, *B. & Br.* Pileo pulveraceo amethystino, margine sulcato; stipite ceruleo (no. 799, cum icone).

On the ground. Peradeniya, Nov. 1868.

A very beautiful Agaric, approaching very near to a form of *A. ardosiacus*, of which we have a drawing from the Swedish Museum, which Fries supposes may possibly be distinct.

182. A. (ENTOLOMA) *CHRYSEGIS*, B. & Br. Pileo convexo demum centro depresso tenui aureo striato; stipite basi dilatato striato solido; lamellis postice truncato-sinuatis adnexis (no. 811, cum icone). On decaying wood. Peradeniya, Nov. 1868. Rare.

Pileus 2 inches across, of a brilliant golden-yellow, slightly wrinkled at the depressed apex, striate; flesh thin, white; stem  $2-2\frac{1}{2}$  inches high, about two lines thick in the centre, thickened at the base, striate, solid, white; gills arched, not ventricose,  $\frac{1}{4}$  inch broad, pale-pink, truncate and sinuated behind, almost free; spores subglobose, with a large nucleus, .00025 in diameter.

In many points resembling *A. leoninus*, but is not campanulate, nor are the gills ventricose or rounded behind; they approach rather to the type of *Entoloma*, to which it is accordingly referred.

183. A. (ENTOLOMA) *GRISEO-CYANEUS*, Fr.

Var. *coloribus saturatioribus* (no. 799, cum icone).

On the ground. Jan. 1869.

Pileus and stem blue; flesh and interior of fistulose stem pale blue.

184. A. (ENTOLOMA) *RETROFLEXUS*, B. & Br. Pileo convexo umbilicato alutaceo glabro; stipite gracili subtiliter fistuloso concolori; lamellis crassiusculis ventricosis postice rotundato-sinuatis adnexis, antice excedentibus (no. 948, cum icone).

On wood. Peradeniya, Dec. 1868.

Pileus not  $\frac{1}{2}$  an inch across, convex, umbilicate, clay-coloured, darker in the centre, smooth; stem  $1\frac{3}{4}$  inch high,  $\frac{1}{8}$  line thick, paler; gills ventricose, sinuated behind, adnexed, buff, extending beyond the margin, so as to give the pileus the appearance of having its margin turned back; spores angular.

185. A. (ENTOLOMA) *RHODOPOLIUS*, Fr. (No. 760, cum icone.)

On the ground. Peradeniya, Sept. 1868.

Spores .0005' long.

186. A. (ENTOLOMA) *IODNEPHES*, B. & Br. Pileo e campanulato subacuto cyathiformi violaceo pulverulento; stipite compresso concolori cavo; lamellis falciformibus carneis (no. 749, cum icone).

On the ground. Peradeniya, Sept. 1868.

Pileus  $\frac{3}{4}-\frac{1}{2}$  inch across, campanulate, rather acute, then cup-shaped, bright violet, pulverulent; stem  $1-1\frac{1}{2}$  inch high, slender or rather stout, in the latter case compressed, hollow, paler than the pileus,

rather rooting; gills falciform, adnexed; mycelium white, fibrous; spores angular, '0003'-'0004' by '0002'-'0003'.

187. *A. (ENTOLOMA) SERICEUS*, *Bull.*

Var. stipite fibrilloso-farcto (no. 869, cum icone).

On the ground. Peradeniya, Dec. 1868.

188. *A. (ENTOLOMA) MAZOPHORUS*, *B. & Br.* Pileo convexo eximie umbonato subcarnoso glabro; stipite subæquali e farcto cavo; lamellis arcuatis adnexis (no. 1185, cum icone).

On the ground. June 1869.

Pileus nearly an inch across, convex, slightly fleshy, with a well-developed obtuse umbo, smooth, pallid; flesh with a slight pinkish tint; stem 1 inch high,  $1\frac{1}{2}$  line thick, smooth, stuffed, then hollow; gills rather more than a line broad, arched, rounded behind, and slightly adnexed, pink; spores angular, '00025' across.

Allied to *A. elodes*.

189. *A. (ENTOLOMA) MICROCARPUS*, *B. & Br.* Cæspitosus, edulis, albidus; pileo convexo fisso acutissime umbonato; stipite farcto glabro; lamellis arcuatis pallide carneis liberis (no. 748, cum icone; *Gardn.* no. 71, cum icone).

In large patches, on the flower-borders and on grass. Peradeniya, Sept. 1868.

Eaten by the natives.

Cæspitose; pileus  $\frac{1}{2}$ -1 inch across, dirty-white, darker towards the prominent umbo, soon split at the margin, even; stem  $1\frac{1}{2}$ -2 inches high,  $\frac{3}{4}$ -1 thick, somewhat rooting, nearly equal, smooth, stuffed, at length partially hollow; gills about a line broad, rounded behind, free, or nearly so; spores obliquely oblong, '0002'-'00025' long; mycelium forming little granular masses.

190. *A. (ENTOLOMA) INTERMIXTUS*, *B. & Br.* Pileo e convexo umbonato plano fibroso-striato; stipite elongato æquali radicante; lamellis adnexis (no. 784 in parte).

On the ground. Peradeniya, Jan. 1869.

Pileus 1 inch across, convex, sharply umbonate, streaked with dark fibres; stem  $1\frac{1}{2}$ -3 inches high, 1 line thick, more or less rooting; gills slightly ventricose, adnexed; spores '0003'-'0005' long, often adhering to each other.

191. *A. (ENTOLOMA) STYLOPHORUS*, *B. & Br.* Pileo conico sericeo-nitente, umbone elongato; stipite farcto subæquali; lamellis angustis ventricosis (no. 748\*, cum icone).

On the ground. Peradeniya, Sept. 1868.

Pileus  $\frac{3}{4}$  inch across, conical, white tinged with pink, shining, umbo

elongated cylindrical acute or truncate; stem 1 inch high, equal, stuffed; gills not a line wide; spores angular.

Differs obviously from *A. microcarpus* in the angular spores.

192. A. (ENTOLOMA) *PALLIDO-GILVUS*, B. & Br. Pileo convexo umbonato; stipite brevi æquali e farcto cavo; lamellis planis postice sinuatis (no. 863).

On the ground. Peradeniya, Dec. 1868.

Pileus  $\frac{3}{4}$  inch across, convex, umbonate, smooth; stem  $\frac{3}{4}$  inch high, 1 line thick; gills plane, arcuate, sinuated behind, 1 line broad; spores angular.

The whole plant becomes umber in drying.

193. A. (ENTOLOMA) *ARGILOPHYLLUS*, B. & Br. Pileo convexo cinereo pruinoso; stipite curvo particulis fuscis insperso; lamellis tenuibus latissimis (no. 873).

Pileus 1 inch high, dark grey, pulverulent; stem 1 inch high, 1 line thick, curved, beset with little dark particles; gills 2 lines wide, thin, pallid, argillaceous; cystidia large.

There may possibly be some doubt as to the proper position of this species, as we have not seen the spores.

194. A. (CLITOPILUS) *TEPHRAS*, B. & Br. Pileo e convexo plano subdepresso cinereo-glaucio tenui pulverulento l. virgato; stipite sursum incrassato subconcolori cavo; lamellis arcuatis leviter decurrentibus carneis (no. 747\*, cum icone).

Amongst decayed vegetable matter. Peradeniya, Dec. 1868.

Pileus  $\frac{1}{4}$  inch across, convex, then plane or depressed, bluish ash-colour, pulverulent, or minutely virgate; stem  $\frac{3}{4}$  inch high, dilated upwards,  $\frac{1}{2}$  line thick in the centre, hollow, nearly of the same colour as the pileus; gills narrow, flesh-coloured, decurrent; spores dingy, '0002' inch long.

195. A. (CLITOPILUS) *SUBGILVUS*, B. & Br. Pileo plano-depresso subzonato membranaceo pallide gilvo estriato; stipite sursum dilatato pallido fistuloso radicante; lamellis adnato-decurrentibus pileo concoloribus (no. 1184, cum icone).

On the ground. June 1869.

Pileus about 1 inch across, plane, depressed, slightly zoned, pale reddish, membranaceous; stem 1 inch high, 1 line thick in the centre, dilated upwards, truly fistulose, much paler; gills 1 line broad, adnato-decurrent, of the same colour as the pileus.

Allied to *A. cancrinus*. Stem rooting, with a thread-like mycelium.

196. A. (LEPTONIA) *GNAPHALODES*, B. & Br. Pileo tenui umbilicato; margine arcuato substriato flocculento; stipite sursum attenuato

pallido; lamellis latis dente adnatis secedentibus (no. 921, cum icone).

On the ground. Peradeniya, Jan. 1869.

Pileus 1 inch across, umbilicate; border arched, faintly striate, pinkish-grey; stem  $\frac{3}{4}$  inch high, minutely hollow, white within, externally pallid; gills 2 lines wide, adnate, with a small tooth at length seceding; spores angular.

197. A. (LEPTONIA) GNOPHODES, B. & Br. Pileo convexo profunde umbilicato caliginoso; stipite sursum dilatato solido, intus extusque brunneolo; lamellis latis adnatis (no. 841, cum icone).

On the ground. Peradeniya, Nov.-Dec. 1868.

Pileus  $\frac{3}{4}$  inch across, convex, deeply and acutely umbilicate, dingy; stem  $1\frac{1}{2}$  inch high, slender, dilated upwards, brown without and within, except at the apex; gills 2 lines broad, arched, horizontal, adnate, edge entire.

Mixed with *A. serrulatus*.

198. A. (LEPTONIA) SERRULATUS, P. (No. 841\*, cum icone.)

On the ground. Peradeniya, Nov.-Dec. 1868.

No. 841\*\*, cum icone, is a variety with a solid stem.

199. A. (LEPTONIA) INCANUS, Fr., var. POLYCHROUS.

Pileo nitide æruginoso, lamellis e lilacino virescentibus (no. 801, cum icone).

On the ground. Peradeniya, Nov. 1868.

Spores '00025'-'0004' long.

200. A. (NOLANEA) FULVO-LANATUS, B. & Br. Pileo tenui convexo pilis fulvis strigoso; stipite tubuloso deorsum fulvo-lanato; lamellis carneis subliberis (no. 855, cum icone).

On the ground. Dec. 1865.

Pileus  $\frac{1}{2}$  inch across, convex, obtuse, yellowish or tawny, thin, clothed with fascicles of tawny hairs; stem  $1\frac{1}{2}$  inch high,  $\frac{3}{4}$  line thick, smooth above, clothed with tawny down below, equal or attenuated downwards, tubular; gills ventricose, about a line wide, nearly free.

Undoubtedly allied to *A. Babingtonii*, Blox. The stem is clothed as in *A. campanulatus*.

201. A. (NOLANEA) LASIUS, B. & Br. Pileo e campanulato umbilicato griseo squamulis pilosis obsito; stipite sursum dilatato concolori hispidulo e farcto eximie fistuloso; lamellis sinuato-affixis denticulatis (no. 855\*, cum icone).

On the ground. Jan. 1869.

Pileus  $\frac{1}{2}$  inch across, at first campanulate, then convex, umbilicate, grey, clothed with little erect pilose scales; stem  $\frac{3}{4}$  inch high,  $\frac{3}{4}$  line thick, dilated upwards, beset with little hispid specks, downy at the base,

stuffed, then fistulose; gills rather broad, pink, serrated, sinuated behind; spores '0005' long.

202. A. (NOLANEA) ELAPHINES, *B. & Br.* Pileo campanulato cervino breviter lanato; stipite gracili concolori glabro; lamellis ventricosis postice attenuatis sinuatis breviter affixis e cervino carneis (no. 941).

On the ground. Peradeniya, Dec. 1868.

Pileus  $\frac{1}{2}$  inch across, campanulate, pale fawn-coloured, clothed with short down; gills ventricose, fawn-coloured, sinuated and attenuated behind, distant, at length sprinkled with the rosy angular spores.

203. A. (ECCILIA) HYALODEPAS, *B. & Br.* Pileo ex umbilicato cyathiformi pallido striato; stipite flexuoso e farcto subtiliter fistuloso, lamellis ex albo carneis decurrentibus (no. 871, cum icone).

On the ground. Peradeniya, Dec. 1868.

Pileus 1 inch across, deeply cup-shaped, striated; margin waved, striate, white, shaded with pink; stem 1 inch high, stuffed, running through the flesh of the pileus to the bottom of the cavity, with a slender channel in the centre; gills white, thin, narrow, slightly ventricose, decurrent, pink; spores angular or subglobose, '0004'-'0005' in diameter.

204. A. (PHOLIOTA) MICROMERES, *B. & Br. in Linn. Tr.* vol. xxvii. p. 152 (no. 690, cum icone).

On dead wood. Peradeniya, July 1868.

205. A. (HEBELOMA) MICROPYRAMIS, *B. & Br.* Pileo campanulato umbone prominente papillæformi, verrucis pulvereque ferrugineis obrito; stipite gracili flexuoso; lamellis latiusculis postice rotundatis adnexus olivaceo-fuscis acie albidis.

On the ground. Peradeniya, Nov. 1869. Sent without any number.

Pileus 1 inch across, stem 2 inches high; spores ovate, '00025' long.

Allied to Fries's first section of *Hebeloma*.

206. A. (FLAMMULA) RUFIPUNCTATUS, *B. & Br.* Pileo depresso tenui punctato estriato; stipite subæquali liturato solido, lamellis ventricosis e pallido ferrugineis decurrentibus (nn. 207, 704, cum icone).

On dead wood. Peradeniya, July-Aug. 1868.

Pileus  $1\frac{1}{2}$ -2 inches across, soon depressed, pale rufous, with darker dots; stem  $1\frac{1}{2}$  inch high,  $1\frac{1}{2}$  line thick, pale, with short rufous streaks, nearly equal, solid; mycelium white, thread-like; gills  $1\frac{1}{2}$  line broad, ventricose, decurrent, ferruginous; spores '00025' long.

There is a form less distinctly dotted. Sometimes the stem is dilated above. Allied, but not very closely, to *A. fusus*.

207. A. (FLAMMULA) JANUS, *B. & Br.* Cæspitosus, sulfureus; pileo convexo umbonato subcarnoso; stipite subæquali fistuloso glabro; lamellis angustis e subfusco ferrugineis (no. 759, cum icone). On dead wood. Dec. 1868.

Cæspitose, sulphur-coloured; pileus  $\frac{3}{4}$ –1 inch across, convex, obtuse, or umbonate, slightly fleshy, flesh lemon-coloured; stem about an inch high, 1 line thick, curved, smooth, fistulose; gills very narrow, arched, slightly adnate; spores '00025'–'0003' long by '00015'–'0002'.

Allied to *A. conissans*.

208. A. (FLAMMULA) GONIOSPORUS, *B. & Br.* Albidus; pileo convexo subcarnoso obtuso; stipite flexuoso cavo e basi suborbiculari tomentoso oriundo; lamellis subventricosus late adnatis; sporis angulatis (no. 835, cum icone).

On dead wood. Peradeniya, Nov. 1868.

Gregarious; pileus scarcely  $\frac{3}{4}$  inch across, dirty white, with occasionally a darker zone which remains in drying, slightly fleshy, flesh white; stem 1 inch high, flexuous, hollow, springing from a white suborbicular base; gills 1 line broad, slightly ventricose, broadly adnate; spores '0002 across, angular.

The spores are nearly square or spade-shaped, and different from any thing we have seen in this subgenus.

209. A. (FLAMMULA) ALUTIPHYLLUS, *B. & Br.* Pileo convexo aurantiaco subtiliter tomentoso postice fuliginoso, stipite compresso pallido; lamellis adnexas nitide alutaceis margine albo (no. 405).

On dead wood.

There are unfortunately no spores in the specimens. It appears to be a very beautiful species. The black matter looks, at first sight, like some mould; but the microscope shows it to be a part of the pileus.

210. A. (FLAMMULA) SAPINEUS, *Fr.* (No. 401, cum icone.)

On dead wood, evidently of some Conifer. Possibly from imported deal. Peradeniya, Sep.–Nov. 1868.

Far paler in colour than European specimens. Spores '00025'–'0003' long.

211. A. (FLAMMULA) HOLOCROCINUS, *B. in Lond. Journ.* vol. vi. p. 485.

On dead wood. Ambegama, Feb. 1846.

Gills narrow.

212. A. (FLAMMULA) OXYLEPIS, *B. & Br.* Pileo plano depresso squamulis erectis acutis hispido, stipite gracili; annulo flocculoso e sporis fulvo; lamellis arcuatis (no. 909\*).

On dead wood. Peradeniya, Jan. 1869.

Pileus  $\frac{1}{2}$  an inch across, convex, then plane, tawny, clothed with erect acute scales; stem 1 inch high, 1 line thick; ring floccose, situated near the top, deflexed, tawny from the spores; gills 1 line broad, adnate, arched, tawny; spores obliquely ovate, '00025' long.

Belongs to the same section as the two foregoing species.

213. A. (FLAMMULA) DILEPIS, B. & Br. Pileo e convexo umbonato depresso luteo squamulis obsito; stipite curvo glabro pallido farcto; lamellis ventricosus postice sinuatis adnato-decurrentibus flavis (no. 878, cum icone).

On dead wood. Peradeniya, Jan. 1869.

Pileus  $\frac{3}{4}$ -1 inch across, convex, umbonate, then depressed, sulphur-coloured, clothed with minute brown scales in the centre, and tawny towards the margin; flesh nearly white; stem  $1\frac{1}{4}$  inch high, 1 line thick, pallid without and within, smooth, slightly swollen at the base; gills 1 line broad, ventricose, sinuated behind, adnato-decurrent, yellow; spores '00025' long.

Resembles, in some respects, *A. heliocaes*, B. & Br.

214. A. (FLAMMULA) CROCIAS, B. & Br. Cæspitosus; pileo convexo squamulis pilosis erectis obsito; stipite squamuloso; lamellis adnatis latiusculis croceis (no. 1126).

On dead wood. Central Provinces, Feb. 1869,

We have no figure of this species, which appears to be very beautiful. Spores '00025' long. Stem sometimes attenuated below, sometimes above.

215. A. (NAUCORIA) PHÆDROPIS, B. & Br. Pileo e campanulato plano sulcato-striato fulvo; stipite clavato albido fistuloso; lamellis postice rotundatis liberis fulvis (no. 890, cum icone).

On the ground. Peradeniya, Dec. 1868, Jan. 1869.

Pileus  $\frac{3}{4}$  inch across, at first campanulate, then plane, bright tawny; margin sulcato-striate, crenate; stem  $1\frac{1}{2}$  inch high, 1 line thick, pallid, fistulose; gills ventricose or falciform, rounded behind, free, bright tawny; spores obliquely ovate, '0003'-'0006' long by '0002'-'0003'. Turns to a vinous red in drying.

It belongs to Fries's first section, and is a very pretty bright-looking species.

216. A. (NAUCORIA) MICROPHUES, B. & Br. Pileo plano albicante usque ad centrum striato; stipite filiformi albo basi substrigoso, lamellis distantibus liberis (no. 1203, cum icone).

On sandy soil. Peradeniya, July 1869.

Pileus  $\frac{1}{4}$  inch across, plane, at length white, striate up to the centre; margin crenate; stem  $\frac{3}{4}$  inch high,  $\frac{1}{4}$  line thick, filiform; gills segmentiform, free, or nearly free; spores pure, '0003' long.

Allied to *A. centunculus*.

217. *A. (NAUCORIA) ABJECTUS*, *B. & Br.* Pileo e campanulato depresso tenui striato livido griseove; stipite gracili subtiliter fistuloso; lamellis ventricosus luteis (no. 897, cum icone).

On the ground. Peradeniya, Jan. 1869.

Pileus  $\frac{1}{3}$ – $\frac{1}{2}$  inch across, campanulate, then plane or slightly depressed, brownish livid, deeply striate; stem  $\frac{3}{4}$ –1 inch high, not half a line thick, of the same colour, fistulose; gills about half a line broad, clay-coloured, ventricose, adnexed; spores '0003' long.

There is a variety (no. 897\*, cum icone) with a grey pileus and rather broader gills and a more slender stem, which is dark at the base.

218. *A. (NAUCORIA) PYGMÆUS*, *Bull.* (No. 945.)

On rotten wood. Peradeniya, Jan. 1869.

Pileus 2–8 lines across; stem springing from a floccose disk.

219. *A. (NAUCORIA) PELIDNUS*, *B. & Br.* Pileo conico livido, margine plicato crenato; stipite concolori sursum dilatato roseo-farcto; lamellis ventricosus ascendentibus rubro-rufis (no 854\*, cum icone).

On the ground. Peradeniya, Dec. 1868, Jan. 1869.

Pileus  $\frac{1}{2}$  inch across, conical, smooth, pinkish, shaded with livid blue; margin plicate; stem  $\frac{3}{4}$  inch high, of the same colour, stuffed with pink matter; gills ventricose, ascending, adnexed, reddish; spores '0003' long.

Somewhat resembling a small form of *A. cucumis*.

220. *A. (NAUCORIA) CERODES*, *Fr.; Gardner.* (No. 713, cum icone.)

On the ground. Peradeniya, May 1844.

221. *A. (NAUCORIA) PEDIADES*, *Fr., var. MAJOR.* (No. 713, cum icone.)

On the ground. Peradeniya, *Gardner, Thwaites*, Aug.–Sep. 1868.

Pileus  $1\frac{1}{2}$ – $2\frac{1}{2}$  inches across, even, pitted, umbonate. It has a strong scent of meal. Spores '0005' by '0004'.

222. *A. (NAUCORIA) SEMIORBICULARIS*, *Bull.* (No. 839, 930, cum iconibus.)

On the ground amongst micaceous soil. Peradeniya, Dec. 1868.

Spores '0004' long.

223. *A. (NAUCORIA) CROBULUS*, *Fr.* (No. 857, cum icone.)

On dead wood. Peradeniya, Dec. 1868.

Spores '00035'–'0004' long.

224. *A. (NAUCORIA) FURFURACEUS*, *P.* (No. 1182, cum icone; no. 93.)

On dead wood. June 1869.

Spores '00028' long.

We consider this a form of the common species.

225. A. (NAUCORIA) LONCHOPHORUS, B. & Br. Pileo hemisphærico acute umbonato furfuraceo; stipite subæquali farcto parce furfuraceo; lamellis arcuatis cinnamomeis (no. 835, cum icone).

On dead wood. Dec. 1868.

Pileus 2-3 lines across, convex, tawny, with a very acute elongated umbo; stem  $\frac{1}{2}$  an inch or more high,  $\frac{1}{2}$  a line thick, of the same colour, dilated upwards, stuffed, then hollow; gills arched, narrow, cinnamon; spores '00025' long.

No. 835\*\*\* is a variety with a broader,  $\frac{1}{2}$  paler pileus and stem, and broader gills.

226. A. (NAUCORIA) SOBRIUS, Fr. (No. 854.)

On the ground. Dec. 1868, Jan. 1869.

227. A. (NAUCORIA) GNAPHOLOPUS, B. & Br. Pusillus; pileo convexo tabacino tomentoso quandoque particulis flavis obsito; stipite conico albido-velutino; lamellis ventricosus tabacinis flavo-marginatis (no. 957, also with no. 814).

On very decayed wood. Peradeniya, Jan. 1869.

Pileus 3 lines across; stem very short, conical; spores ovate, '0003' long.

228. A. (NAUCORIA) FULVO-ALBUS, B. & Br. Pileo campanulato obtuso fulvo papillis pulverulentis obsito; stipite gracili subtiliter fistuloso candido; lamellis ventricosus fulvis (no. 889, cum icone).

On the ground. Peradeniya, Jan. 1869.

Pileus  $\frac{1}{4}$  inch across, campanulate, sometimes contracted in the centre, tawny, darker above, clothed with minute pulverulent papillæ; stem  $\frac{2}{3}$  inch high,  $\frac{1}{3}$  line thick, white, pulverulent; gills tawny, ventricose,  $\frac{3}{4}$  line broad; spores clay-coloured, '0002' long.

Allied to *A. conspersus*.

229. A. (NAUCORIA) OCHRUS, B. & Br. Ochraceus; pileo plano verrucis pulveraceis obsito; stipite e farcto cavo furfuraceo; lamellis ventricosus adnexus (no. 1175, cum icone).

On the ground. June 1869.

Pale ochre; pileus  $\frac{3}{4}$  inch across, rough, with little pulveraceous warts; flesh brownish; stem  $1\frac{1}{2}$  inch high, nearly a line thick, stuffed, then hollow, pulverulent; gills a line broad, ventricose, rounded behind, slightly adnexed; spores '0001'-'0002' long by '00015'.

Allied to *A. conspersus*, *escharoides*, and *limbatus*.

230. A. (NAUCORIA) HELIOCAES, B. & Br. Pileo convexo tarde depresso subcarnoso punctato ochraceo; stipite subæquali farcto glabro albido; lamellis adnatis pallide ferrugineis (no. 859, cum icone).

On the ground. Peradeniya, Dec. 1868.

Pileus 1-1½ inch across, convex, sometimes at length depressed, ochraceous, freckled, flesh white except immediately under the cuticle; stem flexuous, 1½-2 inches high, 1-2 lines thick, stuffed, but not medullate, nearly white, smooth; gills 1-2 lines wide, distant, ochraceous, segmentiform, adnate, sometimes slightly ventricose; spores '0002'-'00025' long; mycelium fibrous, white.

231. A. (NAUCORIA) SIENNOPHYLLUS, B. & Br. Pileo plano umbrino pulverulento, margine crenato; stipite gracili fistuloso; lamellis adnatis nitide cinnamomeis (no. 833).

On the ground. Peradeniya, Jan. 1869.

Pileus ¾ inch across; stem 1½ inch high, not a line thick; gills 1 line wide; spores oblong, '00038' long.

232. A. (GALERA) GLAUCOPURPUREUS, B. & Br. Pileo plano depresso mucoso luride cæruleo-purpureo striato; stipite subæquali candido; lamellis pallide fuscis, sporis elongatis metulæformibus (no. 952).

On very decayed wood. Dec. 1868.

Pileus 1 inch across, plane, at length slightly depressed, striate, mucous, dull blue-purple; stem 1 inch high, scarcely a line thick, white, stuffed; gills narrow, pale brown, free; spores '0006' long, clear yellow-brown, obliquely lanceolate.

233. A. (GALERA) LATERITIUS, Fr. (No. 711, cum icone.)

On the ground. Peradeniya, Sep. 1868.

A large form, approaching, in general appearance, *A. apalus*, but with tawny pileus and stem; gills narrow, spores '0005' long.

234. A. (GALERA) SILIGINEUS, Fr.; Gardn. (No. 40, cum icone.)

On fallen flowers of *Caryota urens*. Peradeniya, June 1844.

235. A. (CREPIDOTUS) HEPATIZON, B. in *Lond. Journ.* vi. p. 416; Gardn. (No. 52, cum icone.)

On decayed wood. Hautane Range, June 1844.

236. A. (CREPIDOTUS) PHÆOPHYLLUS, B. l. c.; Gardn. (no. 36, cum icone); Thwaites (no. 87).

On decayed wood. Hautane range, June 1844; Peradeniya, July, Dec. 1868.

Spores '00025'-'0003' long.

237. A. (CREPIDOTUS) EPICROCINUS, B. & Br. Pileo e resupinato reflexo, supra nitide croceo tomentoso suborbiculari floccis albis affixo, margine undulato-crenato; stipite nullo; lamellis pallide ferrugineis (no. 954, cum icone).

On dead wood. Peradeniya, Dec. 1868.

Pileus ¾-1 inch across, suborbicular or reniform, at first resupinate, then reflexed, bright orange-chrome-yellow, tomentose, at first fixed by a

few white flocci, sometimes slightly lobed, sulcate when dry; gills pale ferruginous; spores subglobose, '0004' in diameter.

A very beautiful species.

There is a variety with a dull ferruginous pileus and broader gills. The spores are of the same size (no. 954 *b*).

238. A. (CREPIDOTUS) FLAVO-MARGINATUS, *B. & Br.* Pileo suborbiculari aurantiaco; stipite brevissimo; lamellis latis distantibus postice subtruncatis e sporis rufo-ferruginatis, margine floccoso flavo (no. 392).

On dead wood. Peradeniya, Dec. 1868.

Pileus  $\frac{1}{2}$  an inch across, nearly orbicular, orange-yellow; stem very short or obsolete; gills distant, broad, densely clothed with the bright ferruginous spores; margin like that of the pileus, yellow, floccose; spores subglobose, '0004' long; when seen laterally, as in many other *Agarics*, menisoid.

239. A. (CREPIDOTUS) GRUMOSO-PILOSUS, *B. & Br.* Pileo suborbiculari e resupinato reflexo albido pilis grumosis fasciculatis ferrugineis conspurcato, margine striato; stipite brevissimo l. obsoleto; lamellis latis ventricosus ferrugineis (no. 954 *a*, cum icone).

On dead wood. Jan. 1869.

Pileus 1-1 $\frac{1}{4}$  inch broad, suborbicular or reniform, rarely flabelliform, at first resupinate, then reflexed, white, striate, at first marked with radiating matted hairs which gradually acquire a more or less ferruginous tint and form scattered spots; stem very short or quite obsolete; gills 2 lines or more broad, ventricose, pale ferruginous; spores ovate or subglobose, '00028'-'0004' long by '0002'-'00025' broad.

240. A. (PSALLIOTA) CROCOPEPLUS, *B. & Br.* Pileo conico carnososquamulis erectis croceis obsito; stipite subæquali dense fulvo-lanato; annulo superiore; lamellis atro-rubentibus liberis, no. 696, 716 (no. 1210, cum icone).

On the ground. July, Aug. 1868, May 1869.

Pileus 2 inches across, conical, fleshy, tawny, covered with erect scales of the same colour, which extend beyond the margin; stem 2 inches high, 2 lines thick, nearly equal, hollow, densely clothed, especially in the centre, with tawny down; ring ample, superior; gills 1 $\frac{1}{2}$  line broad, brown-purple, free; spores '0003' by '0002' obliquely ovate, curved.

A magnificent species.

241. A. (PSALLIOTA) CAMPESTRIS, *L.; Gardn.* (No. 19.)

On the ground in open places. Peradeniya, June 1844.

Var. pileo nitide piloso-squamoso, annulo amplissimo descendente, stipite albo-farcto; lamellis postice rotundatis (no. 763, cum icone).

Var. pileo squamis basi fibrilloso-radiantibus; stipite farcto demum cavo deorsum brunneo fibrilloso (no. 1155, cum icone). July 1869.

242. A. (PSALLIOTA) DIDACTYLUS, B. & Br. Pileo convexo carnosio piloso-squamoso squamis superioribus erectis; stipite bulboso deorsum floccoso-maculato candido penetrante annulo amplo descendente duplici; lamellis utrinque attenuatis (no. 706, cum icone).

On the ground. Peradeniya, July 1868.

Pileus 4 inches across, convex, fleshy, clothed with pilose scales, of which those in the centre are erect, brownish; stem 5 inches high,  $\frac{1}{2}$  inch thick, bulbous, attenuated upwards, stuffed, sunk above into the flesh of the pileus, clothed with transverse patches of white flocci; ring large, superior, reaching halfway down, double; gills moderately broad, attenuated at either end, brown.

Resembling *A. arvensis* in the double ring, *A. cretaceus* in the penetrating stem.

243. A. (PSALLIOTA) SPILOCEPHALUS, B. & Br. in Linn. Tr. xxvii. p. 152. (No. 698, cum icone.)

On the ground.

Inside of the stem consisting of loose intricate threads; spores '0002' long.

244. A. (PSALLIOTA) TRACHODES, B. in Lond. Journ. vi. p. 487; Gardn. (no. 64, cum icone); Thwaites (no. 911, cum icone).

On the ground in shady places. Peradeniya, July 1844, Jan. 1869.

245. A. (PSALLIOTA) LASIOPHRYS, B. & Br. Pileo conico lateritio squamulis floccosis ubique obsito, stipite concolori subæquali annuloque fibrilloso; lamellis pallidis ventricosus postice rotundatis (no. 913, cum icone).

On the ground. Peradeniya, Jan. 1869.

Pileus  $3\frac{1}{2}$  inches across, broadly conical, fleshy, thin towards the margin, clothed with little, brick-red, pilose scales; stem 3 inches high,  $\frac{1}{4}$  thick in the middle, truncate at the base, stuffed, clothed with red fibrillæ, ring fibrillose; gills  $3\frac{1}{2}$  lines broad, pale purple-brown, ventricose, rounded behind; spores '0002' long. Whole plant dark red when dry.

246. A. (PSALLIOTA) HEMILASIUS, B. & Br. Pileo carnosio convexo dilatato squamulis pilosis sublateritiis toto obsito; stipite irregulari deorsum tumido glabro; annulo ascendente amplo lacerato; lamellis utrinque attenuatis remotis cinereis (no. 912, cum icone).

On the ground. Peradeniya, Jan. 1869.

Pileus 4 inches across, convex, fleshy; flesh white, slightly stained; stem 5 inches high, nearly 1 inch thick in the middle, swollen and

undulated below, white, slightly tinged or striated with umber, stuffed; gills 2 lines wide, attenuated at either end, leaving a free space round the top of the stem; spores '00015' long.

Compared with *A. simulans*, the ring is different, the spores more minute, nor does it become tawny in drying. *A. spilocephalus* has broad gills, a descending ring, and is stuffed with loose intricate threads.

247. *A. (PSALLIOTA) ENDOXANTHUS*, B. & Br. Pileo e campanulato plano-depresso. Epidermide brunnea in squamas squamulasve rupta; stipite sursum attenuato fibroso-farcto, carne basis nitide flava; annulo amplissimo, lamellis postice rotundatis atro-purpureis (no. 787, cum icone).

On the ground. Peradeniya, Nov. 1868.

Pileus 3 inches across, at first campanulate, then plano-depressed, pinkish, the brown cuticle broken up into broad or minute scales; flesh moderately thick, white, stained with brown; stem 2-3 inches high,  $\frac{1}{3}$ - $\frac{1}{2}$  inch thick, rather dingy, attenuated upwards, truncate at the base, stuffed with white threads, bright yellow within towards the base; ring large, deflexed, persistent; gills moderately broad, ventricose, purple-brown; spores '0002.

Nos. 761, 762 agree in all points except that the stem is not yellow within. The spores vary from '0002' to '0003' long. Sep. 1868.

248. *A. (PSALLIOTA) ACTINORACHIS*, B. & Br. Pileo convexo carnosus, epidermide in fragmenta radiantia punctata rupta; stipite valido radicante glabro farcto; annulo magno descendente; lamellis arcuatis postice attenuatis (no. 875, cum icone).

On the ground. Jan. 1869.

Pileus 3 inches across, convex, slightly depressed, fleshy, cuticle brownish, broken up into radiating minutely squamulose patches, interstices and flesh white; stem 5 inches high, nearly equal, 7 lines thick, smooth, rooting, not truncate, white, pinkish within, stuffed; ring large, white, descending; gills arched, nearly 3 lines broad, attenuated behind, pinkish; spores '00025'-'0003' long.

Resembles in many respects the last; but the rooting base and gills are different.

249. *A. (PSALLIOTA) SIMULANS*, B. Lond. Journ. vi. p. 487; Gardn. (no. 79); Thwaites (no. 764, 698, cum icone).

On the ground. Peradeniya, Aug. 1844, Sep. 1868.

Whole plant tawny when dry. Spores '0003' long.

250. *A. (PSALLIOTA) TORNOCEPHALUS*, B. & Br. Pileo campanulato nitido demum plano glabro margine incurvo; stipite sursum atte-

nuato furfuraceo, annulo descendente amplissimo; lamellis angustis utrinque attenuatis fuscis (no. 789, cum icone).

On the ground. Jan. 1869.

Pileus 3-4 inches across, campanulate, regular, very pale lemon-colour, quite smooth, at length plane with the edge incurved; stem 5 inches high,  $\frac{1}{3}$  thick in the middle, rather swollen at the base, white, densely floccoso-furfuraceous; ring large, white, descending; mycelium fibrous, white; gills narrow,  $1\frac{1}{2}$  line wide, attenuated at either end; spores '0002' long.

Turns tawny in drying, but differs from the last in the gills and ring.

251. A. (PSALLIOTA) NYMPHIDIUS, B. & Br. Pileo convexo umbonato candido subtiliter squamuloso; stipite flexuoso granulato farcto, annulo descendente amplissimo; lamellis falciformibus postice rotundatis pallide atro-purpureis (no. 872, cum icone).

On the ground. Peradeniya, Dec. 1868.

White. Pileus  $1\frac{1}{2}$  inch across, convex, umbonate, fleshy, clothed with very delicate scales; stem flexuous, equal, densely stuffed, almost solid, becoming pinkish at the base; ring very broad, descending; mycelium ample, fibrillose, white; gills  $1\frac{1}{2}$  line broad, rounded behind, pale brown-purple.

252. A. (PSALLIOTA) ARVENSIS, Schæff.; Gardn. (no. 27, cum icone).

On the ground in woods. Hautane, June 1844.

A small form.

253. A. (PSALLIOTA) SILVATICUS, Schæff.; Gardn. (no. 28, cum icone).

On the ground. Peradeniya, June 1844.

254. A. (PSALLIOTA) BOLORHIZUS, B. & Br. Pileo e convexo plano umbonato squamuloso; stipite elongato albo-farcto basi marginato-bulboso; lamellis angustis brunneis (no. 753, cum icone).

On the ground.

Pileus  $2\frac{1}{2}$ -3 inches across, convex, then plane or depressed, broadly umbonate, dirty pinkish-white, with little brown floccose scales; stem 3 inches high,  $2\frac{1}{2}$  lines thick, pinkish, floccose, stuffed, nearly equal, with a subglobose base, which gives out white fibrils; gills not a line broad, brownish; spores '00025' long.

The substance of the stem, which is brownish, penetrates that of the pileus, from which it is distinguished by its different tint. There is a form with a nearly smooth pileus.

255. A. (PSALLIOTA) DYSPINES, B. & Br. Pileo convexo striato albido maculis punctivse brunneis sordido; stipite clavato, annulo erecto; lamellis carneo-lividis postice rotundatis liberis (no. 717, cum icone).

On the ground. Peradeniya, Jan. 1869.

Pileus  $1\frac{1}{4}$  inch broad, French-grey, striate, thin, stained with dark specks or blotches, especially in the centre, which is slightly umbonate, but dimpled; stem  $2\frac{1}{2}$  inches high, 1 line thick, stuffed; ring narrow, white, erect, pinkish grey; gills ventricose, pink, inclining to cinereous,  $1\frac{1}{2}$  line broad; mycelium filamentous; spores '00025' long.

There are two forms, one of which is less squamulose and even with narrower paler gills.

256. A. (PSALLIOTA) LITURATUS, B. & Br. Pileo plano tenui late umbonato liturato; stipite clavato albo-farcto albo fulvo-tincto; lamellis angustis utrinque attenuatis cinereis (no. 717\*, cum icone).

On the ground. Dec. 1868.

Pileus  $1\frac{1}{4}$  inch across, French-grey, marked with little brown fibrillæ, darker in the centre; stem  $2\frac{1}{2}$  inches high, 1 line thick in the centre, white, stained with tawny; ring descending; gills narrow, attenuated at either end, cinereous; spores '0002' long.

Closely allied to the last, but apparently distinct.

257. A. (PSALLIOTA) CELIDOTUS, B. & Br. Pileo convexo umbonato piloso-squamuloso brunneo; stipite clavato radicante fulvo-tincto albo-farcto penetrante; lamellis falciformibus postice attenuatis brunneis (no. 717\*\*, cum icone).

On the ground. Peradeniya, Sep. 1868.

Pileus  $1\frac{1}{4}$  inch across, convex, umbonate brown, with darker pilose squamules; flesh pallid, except above the head of the stem, where it is dark umber; stem 3 inches high, about 2 lines thick in the centre, clavate, rooting, stained with tawny spots, stuffed with white; ring small, descending; gills broad in front, attenuated behind.

There is a dwarf variety, with the pileus whitish, shaded into dark greyish purple, stem white.

258. A. (PSALLIOTA) CHRYSOCYCLUS, B. & Br. Pileo convexo papillato-umbonato squamuloso, margine floccis aureis picto appendiculatoque; stipite gracili subæquali nitide aurantiaco-flavo flocculoso e farcto cavo, annulo angusto; lamellis ventricosis approximatis (no. 708, cum icone).

On the ground. Peradeniya, Aug. 1868.

Pileus  $1\frac{1}{4}$  inch across, convex, with a prominent papillæform umbo, white, marked with little scales, which become orange-yellow towards the appendiculate margin; stem 2 inches high, 1 line thick, flexuous, stuffed, then hollow, thickly clothed with orange-yellow flocci, rooting; gills  $1\frac{1}{2}$  line broad, French-grey, approximate, at length nearly black.

The yellow margin reminds one of *Hygrophorus chrysodon*. In some respects it resembles *A. crocopenplus*.

259. A. (PSALLIOTA) LEPIOTOIDES, B. & Br. Pileo campanulato tenui squamis minutis sursum nigris deorsum dilutioribus vestito; stipite curvo basi bulbilloso, annulo erecto; lamellis ventricosus porstice attenuatis liberis (no. 1196, cum icone).

On the ground. July 1869.

Pileus 1 inch or more across, campanulate, thin, clothed with small scales, which are black at the apex and brownish towards the margin; stem  $1\frac{1}{2}$  inch high,  $1\frac{1}{2}$  line thick, equal, with the exception of the bulb-like base, nearly white, reddish within, hollow; gills 1 line or more wide, brown, slightly ventricose, attenuated behind, free; spores '00025' long.

It has somewhat the habit of a *Coprinus*.

260. A. (PSALLIOTA) RHODOCHROUS, B. & Br. Pileo primum ovato dein conico-campanulato umbonato subcarnoso carneo; stipite glabro albo-farcto intus extusque rubro; lamellis liberis sanguineis (no. 744, cum icone).

On the ground. Peradeniya, Sep. 1868.

Pileus  $1\frac{1}{4}$ – $1\frac{1}{2}$  inch across, at first ovate, then conico-campanulate, umbonate, fleshy, of a beautiful flesh-colour; stem 2 inches high, 1 line or more thick, red within and without, stuffed with white; ring ample, descending; gills blood-red, more or less ventricose, attenuated behind in the more conical form, truncate in a form in which the pileus is more expanded, the stem equal, and the ring far more fugitive; spores '0002 long, brown-purple.

261. A. (PSALLIOTA) ARGINEUS, B. & Br. Pusillus; pileo campanulato umbonato glabro substriato albedo; stipite flexuoso filiformi concolori; lamellis ventricosus carnis (no. 900, cum icone).

On the ground. Jan. 1869.

Pileus 5 lines across, campanulate, umbonate, dirty white, smooth, slightly striate; stem  $1\frac{1}{4}$  inch high, not  $\frac{1}{2}$  line thick, flexuous, fistulose; gills narrow, ventricose, flesh-coloured, nearly free; ring fugaceous, situated in the middle of the stem; spores '0002 long. Turns red in drying.

Habit that of a *Mycena*.

No. 723 appears to be a var., gregarius pileo candido subfloccoso, lamellis pallide umbrinis. Peradeniya, Aug. 1868.

262. A. (PSALLIOTA) MICROCOSMUS, B. & Br. Pusillus, gregarius; pileo campanulato late umbonato glabro; stipite curvo cavo, annulo descendente; lamellis ventricosus pallide rubris (no. 1156, cum icone).

On the ground. July 1869.

Gregarious; pileus 2 lines high, white, campanulate, strongly umbonate, umbo reddish brown; flesh thick in the centre, very thin to-

wards the even margin; stem  $\frac{3}{4}$  inch high,  $\frac{1}{2}$  line thick, at length hollow, smooth, white or tinged with red; ring proportionally large, descending; gills ventricose,  $\frac{1}{2}$  line wide, reddish; spores '0002' long. The gills are very dark when dry.

263. A. (PSALLIOTA) PLUMARIUS, B. & Br. Pusillus; pileo e campanulato convexo papillato-umbonato floccoso-squamuloso; stipite gracili flexuoso subtiliter fistuloso, annulo erecto; lamellis ventricosis umbrino-carneis (no. 191, cum icone).

On banks. Peradeniya, July-Aug. 1868.

Gregarious; pileus  $\frac{1}{4}$ — $\frac{1}{2}$  inch across, at first campanulate, then convex with a little umbo, greyish white, minutely floccoso-squamulose, even; stem 1 inch high,  $\frac{1}{2}$  line thick, white above, slightly umber below, flexuous, minutely fistulose; ring white, erect; gills pinkish umber; spores '0002 long. Whole plant dark when dry.

Closely allied to the last. This is just one of the cases in which the spores may have changed colour in drying.

264. A. (PSALLIOTA) CALLIPEPLUS, B. & Br. Pusillus; pileo convexo obtusissimo fuligine violaceo obsito; stipite gracili albo; lamellis carneis ventricosis (no. 853, cum icone).

On the ground. Peradeniya, Dec. 1868.

Gregarious; pileus  $\frac{1}{2}$  inch across, convex, very obtuse, clothed with violet meal; stem  $\frac{1}{2}$  an inch high,  $\frac{1}{4}$  line thick, white, curved, with a narrow cavity springing from radiating white threads; gills  $\frac{3}{4}$  line broad, pinkish, ventricose; spores '0002 long.

Allied to *A. fumoso-purpureus*; gills much paler. Dark when dry.

265. A. (PSALLIOTA) CHLOROCONIUS, B. & Br. Pusillus; pileo convexo umbonato pulvere viridi farinaceo; stipite gracili subtiliter fistuloso pulverulento; lamellis ventricosis carneis liberis (no. 892, cum icone).

On the ground. Peradeniya, Jan. 1869.

Pileus  $\frac{1}{2}$ — $\frac{3}{4}$  inch across, at first subcampanulate, then convex, with a papillæform umbo, clothed with green meal; stem  $\frac{1}{2}$ — $1\frac{1}{2}$  inch, equal, or slightly dilated below, pale, clothed here and there with a little green meal; gills ventricose, 1 line broad, rounded behind, free; spores '00025 long.

There are two forms, one taller with a very slender stem and campanulate pileus, the other with the pileus more expanded and a short, stouter, paler stem.

266. A. (PSALLIOTA) ILLOTUS, B. & Br. Pileo convexo umbonato carneo-fuligineo carne alba; stipite tenui rubro albo-farcto; lamellis rubris postice rotundatis (no. 896, cum icone).

On the ground. Peradeniya, Jan. 1869.

Pileus  $\frac{3}{4}$  inch across, convex, subconical, umbonate, red, clothed more or less partially with fuliginous particles; stem  $1\frac{1}{4}$  inch high, 1 line thick, red, stuffed with white; gills 1 line across, red, rounded behind, slightly ventricose; spores .00015 long.

As in the last case, there is a form with a shorter stem and the margin of the pileus fimbriated.

Var. *THYSANOPHORUS*. Pileo convexo rubro fimbriato-appendiculato; stipite extus intusque concolori albo-farcto; lamellis angustis.

Pileus  $\frac{1}{2}$  inch across; stem  $\frac{1}{2}$  inch high; gills scarcely  $\frac{1}{2}$  a line across.

267. A. (*PSALLIOTA*) *SUBCITRINUS*, B. & Br. Pusillus, gregarius; pileo convexo minute umbonato citrino particulis nigris consperso; stipite filiformi citrino particulis citrinis obsito; lamellis ventricosus rubris (no. 852, cum icone).

On decayed vegetable matter. Dec. 1868.

Gregarious; pileus  $\frac{1}{4}$  inch across, convex, minutely umbonate, yellowish, sprinkled with minute black specks; stem  $\frac{1}{2}$  inch high,  $\frac{1}{4}$  line thick, curved, yellow, dusted with yellow particles; gills ventricose, red; spores .0002 long, brown-purple. Plant red when dry; ring very fugacious.

268. A. (*PSALLIOTA*) *MYRIOSTICTUS*, B. & Br. Gregarius; pileo hemisphærico obtuso stramineo verrucis minutis pulveraceis obsito; stipite elongato concolori furfuraceo cavo; annulo minute furfuraceo; lamellis stramineis postice rotundatis (no. 833, cum icone).

On the ground. Nov. 1868.

Pileus scarcely  $\frac{3}{4}$  inch across, convex, obtuse, straw-coloured, covered with minute pulveraceous brown warts; stem 2-2 $\frac{1}{2}$  inches high,  $\frac{1}{2}$  line thick, of the same colour, but paler, with brown specks; gills straw-coloured, rounded behind, free; spores .0002 long.

269. A. (*PSALLIOTA*) *EPIPASTUS*, B. & Br. Pileo convexo tenui squamuloso flavo-olivaceo pulvere olivaceo insperso; stipite concolori stricto pulverulento fistuloso lamellis brunneolis (no. 756, cum icone).

On the ground. Peradeniya, Sept. 1868.

Gregarious; pileus  $\frac{3}{4}$  inch across, convex, thin (except in the centre), yellow-olive, sprinkled, as is the straight fistulose stem (1 $\frac{1}{2}$  inch high,  $\frac{3}{4}$  line thick), with olivaceous powder; ring narrow; gills slightly ventricose, 1 line broad, free; spores .0002 long.

270. A. (*PSALLIOTA*) *ERYTHROSPILA*, B. & Br. Pileo convexo obtuso albido punctis rubris pulveraceo; stipite stricto candido; annulo erecto; lamellis liberis brunneolis (no. 850, cum icone).

On the ground. Peradeniya, Sept., Dec. 1868.

Pileus  $\frac{1}{2}$  inch across, convex, subconical, powdered with red particles; stem 1 inch high,  $\frac{3}{4}$  line thick, hollow, white; ring narrow, erect; gills slightly ventricose, brown, free; spores  $\cdot 0002$  long, brown. Dark when dry.

271. A. (PSALLIOTA) RUFO-ALBUS, B. in *Journ. of Bot.* vi. p. 488; *Gardn.* (no. 23, cum icone).

On the ground. Peradeniya, June 1844.

272. A. (PSALLIOTA) SUBÆRUGINOSUS, B. & Br. Pileo convexo umbonato viscidulo demum depresso carnoso ex ærugineo flavo-fusco, carne rubescente; stipite glabro candido, annulo angusto; lamellis e subcarneo fuscis adnexis (no. 756, cum icone).

On the ground. Dec. 1868.

Cæspitose; pileus  $1\frac{3}{4}$  inch across, convex, obtusely umbonate, at length depressed, greenish at first, then yellow-brown, minutely scaly; flesh reddish; stem  $1\frac{1}{2}$  inch high,  $\frac{1}{2}$  thick, equal or attenuated below, white, smooth, reddish within, stuffed with white; ring narrow; gills rounded behind, adnexed, brownish.

We have no specimens of this species; but the two drawings show very clearly that it is distinct from *A. æruginosus*.

273. A. (HYPHOLOMA) SUBLATERITIUS, Fr.; *Gardn.* (no. 89, cum icone).

On old wood. Hautane Range, Aug. 1844.

274. A. (HYPHOLOMA) FASCICULARIS, Huds. (no. 746, 759 cum iconibus); *Gardn.* (no. 45, cum icone).

On dead wood and chips. Peradeniya, June 1844.

275. A. (PSILOCYBE) CERNUUS, Müll.; *Gardn.* (no. 26, cum icone).

On the ground and attached to twigs. Peradeniya, June 1844.

276. A. (PSILOCYBE) CANO-RUBER, B. & Br. Pileo plano depresso pellicula atro-rubra e margine striato sericeo pallido deglubato; stipite e farcto cavo; lamellis pallidis horizontalibus postice rotundato-adnatis (no. 842, cum icone).

On the ground. Dec. 1868.

Pileus  $\frac{3}{4}$ –1 inch across, plane, slightly depressed, at first clothed with a smooth brown-red skin, which separates from the pale striate silky margin, forming a patch in the centre; stem about 1 inch high,  $\frac{1}{2}$  a line thick, brownish or reddish, within reddish, stuffed with white; gills  $1\frac{1}{2}$  line wide, horizontal, rounded behind, slightly adnate; spores  $\cdot 00025$  long.

Allied to *A. cano-brunneus*, Fr. Whole plant dark red when dry.

277. A. (PSILOCYBE) BULLACEUS, *Bull.* (No. 838, cum icone.)

On dung. Peradeniya, Dec. 1868.

A widely distributed species. We have it from Secunderabad and the United States. The Ceylon specimens have a perfect ring, but the spores are the same as in the ringless specimens. The species evidently varies in this respect as regards European specimens.

278. A. (PSATHYRA) SPADICEO-GRISEUS, *Schæff.* (Nn. 712\*\*\*, 754, cum iconibus.)

On dead wood. Peradeniya, Aug.-Sep. 1868.

Spores '00028" long.

279. A. (PSATHYRA) OBTUSATUS, *Fr.* (Nn. 711\*, 712, 829, cum iconibus.)

On dead wood.

Two forms are figured—one with broader ventricose gills and more conical pileus, the other more campanulate. Spores '0003-'0004 by '0002-'0003.

280. A. (PSATHYRA) AMAURUS, *B. & Br.* Pileo campanulato brunneo tenui glabro profunde striato-sulcato; stipite brevi albido glabro e farcto fistuloso; lamellis ventricosus adnatis purpureo-fuscis (no. 829, cum icone).

On dead wood. Peradeniya, Jan. 1869.

Pileus  $\frac{1}{2}$ – $\frac{3}{4}$  inch across, campanulate, smooth, thin, deeply sulcato-striate; stem  $\frac{3}{4}$  inch high, 1 line thick, smooth, fistulose, nearly white; gills ventricose, adnate,  $1\frac{1}{2}$  line broad, brown-purple; spores '0003 long.

281. A. (PSATHYRA) OCHREATUS, *B. & Br.* Pileo conico-subcampanulato umbonato e griseo candicante hygrophano subcarnoso; stipite subæquali e farcto cavo cinereo; lamellis angustis adnexis atro-purpureis (no. 835\*\*\*\*, cum icone).

On dead wood. Peradeniya.

Pileus  $\frac{3}{4}$  inch high, conico-subcampanulate, then expanded, umbonate, grey-brown, turning white above, so as to leave a broad zone near the somewhat lobed margin, smooth, not striate; stem 1 inch high, 1 line thick, cinereous, nearly equal, or slightly dilated above, smooth; gills  $\frac{1}{2}$  line broad, brown-purple; spores '00025 long.

282. A. (PSATHYRA) EFFLORESCENS, *B. & Br.* Gregarius; pileo hemisphærico materie saccharina obsito; stipite curvo tenui e strato tomentoso candido oriundo; lamellis adnatis.

On dead mossy trunks. Peradeniya, Nov. 1867.

Pileus  $\frac{1}{4}$  inch across; spores brown-purple, .0003 long.

Habit of *A. corticolor*.

283. *A. (PSATHYRA) ASCEUS*, B. & Br. Pileo ex hemisphærico plano l. depresso sulcato carneo-griseo; stipite curvo gracili subtiliter fistuloso albo; lamellis latis postice rotundatis adnatis (no. 870, cum icone).

On dead wood. Peradeniya, Dec. 1868.

Pileus  $\frac{3}{4}$  inch across, of a dull pinkish grey, sulcate; stem 1 inch high,  $\frac{1}{2}$  line thick, curved, white; gills  $1\frac{1}{2}$  line wide, pinkish; spores brown-purple, .00025 long.

Allied to *A. obtusatus*, veiless. No. 718 appears to be the same species with a brownish pileus and whitish stem. Aug. 1868.

284. *A. (PSATHYRA) LUCIPETUS*, B. & Br. Pileo subhemisphærico pallide carneo estriato: stipite curvo glabro fistuloso; lamellis angustis ventricosus postice rotundatis adnatis (no. 895, cum icone).

On dead sticks. Peradeniya, Jan. 1869.

Gregarious; pileus  $\frac{1}{2}$  inch across, nearly hemispherical, white, tinged with pink, darker in the centre, margin slightly crenate; stem 1 inch high,  $\frac{3}{8}$  line thick, curved, of the same colour as the pileus, smooth, fistulose; gills narrow, ventricose, rounded behind, adnate; spores ovate, .0003-.0004 long.

There appears to be no trace of a ring; and, like the last, it allied to *A. obtusatus*.

285. *A. (PSATHYRA) PORPHYRELLUS*, B. & Br. Pileo subcampanulato membranaceo atro-purpureo estriato; stipite gracili tubuloso pallido e basi floccosa oriundo; lamellis ventricosus adnatis (no. 1152, cum icone).

On the ground. June 1869.

Pileus  $\frac{1}{3}$  inch across, subcampanulate, purplish, thin; stem  $1\frac{1}{4}$  inch high, not  $\frac{1}{2}$  a line thick, pallid, with a central cavity; gills ventricose, 1 line broad, adnate, purplish; spores .0002 long.

Allied to *A. strictus*, Lasch.

286. *A. (PSATHYRA) TYTHUS*, B. & Br. Pileo convexo atro-purpureo atomato; stipite flexuoso pallido tubuloso; lamellis ventricosus distantibus adnatis carnis (no. 1169, cum icone).

On the ground. July 1869.

Pileus  $\frac{1}{3}$  inch across, convex, obtuse, at length inverted; flesh rose-coloured; stem  $\frac{3}{4}$  inch high,  $\frac{1}{2}$  a line thick, pallid, yellowish within, with a narrow central channel; gills few, ventricose, nearly free, pinkish; spores .00025 long.

This appears, at first sight, to be a dwarf form of the last;

but the spores are larger. It might perhaps be doubted whether this is not one of those *Lepiotæ* whose spores turn to a dark purple in drying; but there is not a trace of a ring, either in the drawing or in the specimens.

287. A. (*PANÆOLUS*) *PAPILIONACEUS*, *Bull.* (No. 746\*.)

On dung. Peradeniya, Dec. 1868.

Spores vary from '0007 to '0001 long.

288. A. (*PANÆOLUS*) *CAMPANULATUS*, *L.*; *Gardn.* (no. 2, cum icone).

On the ground. Peradeniya, June 1864.

289. A. (*PANÆOLUS*) *CYANESCENS*, *B. & Br.* *Albidus cyanescens*; pileo hemisphærico glabro subcarnoso; stipite recto radicante umbrino farcto; lamellis ascendentibus ventricosis leviter adnatis cyaneo-nigris (no. 746\*\*, cum icone).

On rich manured soil. Peradeniya, Sept., Nov. 1868.

Pileus  $1\frac{1}{4}$  inch across, hemispherical, smooth, dirty white, tinged with yellow-blue, slightly fleshy; flesh turning partially blue; stem 4 inches high,  $1\frac{1}{2}$  line thick, straight, rooting, whitish, deeply tinged below with blue, with a few reddish dots at the apex, stuffed with reddish brown, the outer coat turning blue; gills ventricose, ascending, rounded behind, shortly adnate; spores lemon-shaped, '0004–'0005 long.

290. A. (*PANÆOLUS*) *CALIGINOSUS*, *Jungh.* (No. 746\*\*\*, cum icone.)

On dung. Sept. 1868. With *A. papilionaceus*.

Pileus semiovalate to hemispherical, membranaceous, livid; stem straight, livid; gills ventricose, ascending; spores lemon-shaped, '00035 long.

291. A. (*PSATHYRELLA*) *TIARELLA*, *B. & Br.* Pileo conico pallido membranaceo estriato; stipite flexuoso fistuloso pallido; lamellis ascendentibus angustis purpurascensibus (no. 1193, cum icone).

On decayed vegetable matter. July 1869.

Pileus  $\frac{1}{2}$  inch across, 1 inch high, dirty white, with the disk umber-coloured, membranaceous; flesh of disk umber; stem  $1\frac{1}{2}$  inch high,  $\frac{1}{8}$  line thick, pale umber, flexuous, fistulose; gills ascending, adnexed, about 1 line broad, purplish, at length nearly black; spores elongated, '00057 long.

Allied to *A. disseminatus*.

292. A. (*PSATHYRELLA*) *ACHNOUS*, *B. & Br.* *Gregarius*; pileo conico-campanulato albo striato glabro umbone papillæformi umbrino aucto; stipite curvo fistuloso glabro; lamellis angustis ex albo nigris postice attenuatis (no. 774, cum icone).

On dead wood. Jan. 1869.

Densely gregarious; pileus  $\frac{1}{4}$  inch across, white, campanulate, with a papillæform umbo, of a pale umber, deeply striate; stem 1 inch high, curved, fistulose, smooth, with a few reddish hairs at the base; gills at first white, narrow, attenuated behind.

Habit that of *A. disseminatus*.

293. *A. (PSATHYRELLA) HIASCENS*, Fr.; Gard. (no. 25, cum icone). On the ground. Peradeniya, June 1844.

294. *A. (PSATHYRELLA) LEPTOSCELES*, B. & Br. Pileo hemisphærico acute umbonato subtiliter tomentoso usque ad umbonem striato; stipite gracili (no. 770).

On the ground. Peradeniya, Sept. 1868.

Pileus 1 inch across, striated up to the acute or elongated and truncate umbo; stem  $2\frac{1}{2}$ –3 inches high,  $\frac{1}{2}$  line thick; gills ventricose, shortly adnate; spores egg-shaped, .0003 long.

Allied to *A. hydrophorus*.

295. *A. (PSATHYRELLA) AUCTUS*, B. & Br. Pileo campanulato hispidulo subcinereo umbone papillæformi albo aucto; stipite piloso flexuoso fistuloso; lamellis angustis adnatis (no. 774, cum icone).

On dead wood. Peradeniya. Sept. 1868.

Pileus  $\frac{1}{2}$  inch across, campanulate, very pale cinereous, clothed with a few short hairs; umbo white, prominent, papillæform; margin inclined to split; stem  $1\frac{1}{4}$  inch high, not a line thick, fistulose, flexuous, white, pilose; gills narrow, ascending, slightly ventricose, adnate; spores elongated, .0005 long.

Allied to *A. disseminatus*. There is a smooth, more gregarious form, deeply striate, with the umbo pale umber. Jan. 1869.

296. *A. (PSATHYRELLA) CTENODES*, B. & Br. Pileo campanulato usque ad umbonem plicato-striato; stipite curvo e basi strigosa oriundo subtiliter piloso fistuloso; lamellis carneis adnatis (no. 942\*\*, cum icone).

On dead wood. Jan. 1869.

Pileus  $\frac{1}{2}$  inch across, campanulate, of a delicate grey, plicato-sulcate up the small smooth umbo; delicately pilose, as is the fistulose curved stem, which is strigose at the base; stem 1 inch high,  $\frac{3}{4}$  line thick; gills slightly ventricose, ascending, shortly adnate; cystidia large, cylindrical; spores ovate, .00025–.00035 long. Dark when dry.

297. *A. (PSATHYRELLA) DISSEMINATUS*, P. (no. 776; no. 942, cum icone); Gard. (no. 61, cum icone).

On dead wood. Peradeniya, July 1844, Sept. 1868, Jan. 1869.

Spores .0005 by .0003.

298. A. (PSATHYRELLA) LEPTOMERES, *B. & Br.* Pileo late campanulato usque ad centrum striato; stipite elongato glabro solido; lamellis angustis adnexis (no. 775).

On dead wood. Peradeniya, Sept. 1868.

Pileus  $\frac{3}{4}$ –1 inch across, broadly campanulate, then expanded, striate almost to the apex; stem  $1\frac{1}{2}$  inch high, smooth, solid; gills narrow, adnexed; spores narrow, .0003–.0004 long by .00015–.0002.

Allied to *A. subtilis*, but the gills are not adnate.

299. A. (PSATHYRELLA) FURFURELLUS, *B. & Br.* Gregarius, minimus; pileo hemisphærico furfurello; stipite capillari tomentoso; lamellis adnatis e pallido nigris (no. 944).

On dead wood. Peradeniya, Jan. 1869.

Pileus not a line across, hemispherical, clothed with delicate furfuraceous particles, as is the thread-like stem  $\frac{1}{4}$  inch high. Spores .0002 long.

300. HIATULA FLOSCULUS, *B. & Br.* Candida; pileo plano usque ad centrum plicato, fibrillis hic illic obsito; stipite brevi e basi orbiculari oriundo; lamellis niveis (no. 905, cum icone).

On dead wood. Peradeniya, Jan. 1869.

White; pileus 2–5 lines across, plicato-sulcate, clothed with a few scattered fibrils; stem 1–2 lines high, springing from an orbicular base; spores ovate, .0003 long.

#### RHACOPHYLLUS, n. g.

Pileus tenuissimus, tenerrimus; lamellæ in fragmenta oblongo-obtusa flexuosa divisæ.

301. R. LILACINUS, *B. & Br.* (No. 825, cum icone.)

On dead wood, twigs, &c. Peradeniya, Dec. 1868, Jan. 1869.

Pileus cylindrical or digitaliform, lilac, striate, or even split more or less at the margin; stem dilated at the base, attenuated upwards; gills replaced by numberless oblong, irregular, waved, obtuse lobes, of the same colour as the pileus.

It is possible that there may be two species; but the number of specimens gathered at present is very small. *Pterophyllum*, Mont., agrees somewhat in character; but it is closely allied to *Panus*, while this is more closely to *Coprinus*.

302. COPRINUS FUSCESCENS, *Fr.* (No. 1001, cum icone.)

On manured soil.

No specimens were preserved of this deliquescent fungus; but the drawing agrees with *C. fuscescens*, Fr., except that the flesh is very thin at the apex of the stem. The gills, as in that, are strongly attenuated to the margin of the pileus.

303. *C. FIBRILLOSUS*, *B. & Br.* Pileo semiovato squamis innatis fibrillosis obsito; stipite curvo subfloccoso; lamellis ascendentibus arcuatis fuscis adnexis (no. 940).

On the ground. Peradeniya, Jan. 1869.

Pileus  $\frac{1}{2}$  inch across; stem  $1\frac{1}{2}$  inch high; gills narrow; spores  $\cdot 0002$  long.

304. *C. MICROSPORUS*, *B. & Br.* Pileo campanulato obtuso squamulis innatis fibrosis vestito; stipite incurvo fistuloso; lamellis segmentiformibus pallidis tarde nigricantibus; sporis minimis (no. 1197, cum icone).

On soil. July 1869.

Pileus about  $\frac{1}{2}$  an inch across, dirty-white, campanulate, obtuse, clothed with scattered, innate, fibrous, pale-umber scales; stem  $1\frac{1}{2}$  inch high, about a line thick, flexuous, smooth, fistulose; gills 1 line broad, ascending, at first white, with a tinge of red, free; spores subelliptic, pale,  $\cdot 00016$  long.

305. *C. EXTINCTORUS*, *Fr.* (No. 844 in part; no. 848, cum icone.)

On fragments of decaying vegetables. Peradeniya, Dec. 1868.

This appears to be a small form of the European species. At least we can find no distinctive characters. The gills are at length of a deep red-brown; spores narrow,  $\cdot 0004$  long; stem obtuse at the base.

306. *C. TOMENTOSUS*, *Fr.* (No. 844 in part, no. 773.)

On the ground. Peradeniya, Dec. 1868.

307. *C. MACROPUS*, *B. & Br.* Pileo campanulato striato brunneo floccis albis secedentibus primum obsito; stipite candido fistuloso subradicante glabro; lamellis angustis segmentiformibus adnexis brunneis (no. 783, cum icone).

On the ground.

Deliquescent; pileus nearly 3 inches across, at length turned up at the edge; stem 6 inches high,  $\frac{1}{4}$  inch thick; gills 2 lines broad.

308. *C. RUBECULA*, *B. & Br.* Pileo juniore ovato squamulis acutis castaneis ornato, seniore campanulato vix striato; lamellis ventricosus liberis; stipite fistuloso (no. 1216, cum icone).

On decaying vegetable matter. Aug. 1869.

Pileus at first broadly egg-shaped, covered with chestnut-coloured acute scales, and resembling a robin's egg, then campanulate,  $\frac{1}{2}$  an inch high, and nearly as much across; margin scarcely striate, white, with a cinereous tinge, squamulose above; stem 1 inch high, 1 line thick, white, smooth, fistulose; gills ventricose, free, tinged with red below.

309. *C. PALLIDUS*, *B. & Br.* Pileo inæquali subcylindrico pallido,

disco lævi umbrino; stipite flexuoso fistuloso pallido; lamellis sub-liberis fuscis (no. 1157, cum icone).

On dead wood. July 1869.

Pileus 3 lines across, 5 high, pale umber, disk even, much dark, its edges reflected; stem flexuous,  $1\frac{1}{2}$  inch high, 1 line thick, fistulose, equal, smooth, pale umber, truncate at the base; gills 1 line wide, umber, then dark brown, slightly ventricose, nearly free; spores  $\cdot 0003$  long.

310. *C. SETULOSUS*, B. & Br. Pileo cylindrico campanulato obtuso usque ad discum striato setis fulvis undique obsito; stipite fistuloso candido sursum attenuato; lamellis angustissimis adnatis (no. 845, cum icone; no. 936).

On dead vegetable matter. Peradeniya, Dec. 1868, Jan. 1869.

Pileus 5 lines high, 2 broad at the base, cylindrico-campanulate, obtuse, striate up to the pale broad disk, beset everywhere with short tawny bristles; stem 1 inch high,  $\frac{1}{2}$  line thick in the middle, white, fistulose; gills ascending, very narrow, not perfectly developed in the specimens, where they are white and without spores.

311. *C. CASTANEUS*, B. & Br. Pileo digitaliformi pallide castaneo glabro; stipite sursum attenuato basi truncato glabro eximie fistuloso; lamellis angustis ascendentibus adnatis (no. 935, cum icone).

On the ground. Peradeniya, Jan. 1869.

Pileus  $\frac{1}{2}$  inch across,  $\frac{3}{8}$  high, pale chestnut, smooth, slightly fleshy; flesh of the same colour; stem 3 inches high, 2 lines thick in the centre, incrassated and truncate at the base, smooth, fistulose, white without and within; gills scarcely 1 line broad, pallid.

As in the last, the spores are not developed. The pileus becomes of a bright chestnut when dry.

312. *C. FIMBRIATUS*, B. & Br. Pileo campanulato tomentoso, margine albo-fimbriato; stipite æquali fistuloso; lamellis adnatis (nos. 705, 808).

On dung. Peradeniya, Aug. 1868.

Pileus  $\frac{1}{2}$  an inch or more across, campanulate, tomentose, splitting along the back of the gills, fringed with white hairs; stem 2 inches high, white, equal, fistulose; gills moderately broad, adnate; edge white; spores  $\cdot 0003$  long.

Allied to *C. stercoreus*.

313. *C. PACHYTERUS*, B. & Br. Pileo persistenter campanulato plicato-sulcato; stipite firmiore; lamellis arcuatis adnatis (no. 806).

On the ground. Peradeniya, Oct. 1868.

Pileus 2 inches across, smooth, plicato-sulcate; stem  $2\frac{3}{4}$ –3 inches high, stouter than in *C. plicatilis*; gills arcuate, adnexed; spores  $\cdot 0006$  long, darker, larger, and longer than in that species.

There are two different species sent under the same number, with spores '0003; but we are unable to characterize them without figures.

314. *C. PLICATILIS*, Fr. (No. 715, cum icone.)

On the ground. Peradeniya, Aug.-Sept. 1868.

Spores '0003-'00045 by '0002-'00035.

315. *BOLBITIUS FISSUS*, B. & Br. Pileo e campanulato umbonato plano pallido striato margine fisso; stipite fistuloso sursum attenuato l. subæquali candido; lamellis ventricosus argillaceis (no. 931, cum icone).

On dung. Peradeniya, Jan. 1869.

Pileus  $1\frac{1}{2}$ - $1\frac{3}{4}$  across, very pale givous, at first campanulate, papillato-umbonate, then plane; margin striate, splitting; flesh very thin, except in the centre; stem  $1\frac{1}{2}$ - $2\frac{1}{2}$  inches high, incrassated at the base, nearly equal, fistulose, white; gills clay-coloured, ventricose, rounded behind, nearly free; spores ovate. '0003 long.

It has not the slightest gamboge-yellow tint.

316. *HYGROPHORUS CINERASCENS*, B. & Br. Pileo irregulari flexuoso depresso glabro lævi subcinereo; stipite sursum dilatato compresso e farcto cavo albo; lamellis ventricosus decurrentibus albidis (no. 1198, cum icone).

On the ground. July 1869.

Subcæspitose; pileus  $\frac{3}{4}$ - $1\frac{1}{4}$  inch across, undulated, irregular, even, smooth, pale cinereous; flesh brownish, especially towards the margin; stem  $\frac{3}{4}$  inch high,  $\frac{1}{4}$  thick at the apex,  $1\frac{1}{2}$  line at the base, stuffed, then hollow, compressed, white, smooth; gills white, or dirty white, slightly ventricose, truly decurrent, '0003 by '00015.

317. *H. MULTICOLOR*, B. & Br. Pileo convexo umbonato glabro, margine tenui estriato livido, carne cærulescente; stipite subæquali flexuoso anguste cavo; lamellis ventricosus lividis adnato decurrentibus (no. 899, cum icone).

On the ground. Jan. 1869.

Pileus  $\frac{3}{4}$  inch across, greenish, shaded with pink, umbonate; flesh blue; stem  $1\frac{1}{4}$  inch high, 1 line thick, with a narrow cavity, flexuous, somewhat attenuated at the base, greenish above, straw-coloured below; gills ventricose, greenish, adnate, decurrent.

Analogous to *H. psittacinus*. This is perhaps another representative of Fries's second section, and, indeed, makes a near approach to *Hygrocybe*.

318. *H. LÆTUS*, Fr. (No. 1209, cum icone.)

On the ground. July 1869.

Spores '00035-'0004 long by '00025-'0003 wide.

319. *H. ALLICIENS*, *B. & Br.* Pileo convexo centro depresso carneo-striato subcarnoso; stipite glabro æquali farcto demum cavo; lamellis carneis decurrentibus (no. 815, cum icone).

On the ground. Peradeniya, Nov. 1868.

Pileus  $\frac{3}{4}$ –1 inch across, pink, with darker striæ, convex, depressed in the centre, fleshy; flesh white; stem  $1\frac{1}{4}$  inch high, 1 line thick, smooth, red above, yellowish below, stuffed, then hollow; scarlet within above, gills arched, shortly decurrent, rose-coloured.

A very beautiful species, near *H. cantharellus* and *sciophanus*.

320. *H. PRASINUS*, *B. & Br.* Extus intusque viridis; pileo depresso subcarnoso striato; stipite recto glabro cavo; lamellis ventricosis decurrentibus (no. 866, cum icone).

On the ground. Peradeniya, Dec. 1868.

Pileus  $\frac{3}{4}$  inch across, depressed, striate; stem 1– $1\frac{1}{4}$  inch high, 1 line thick, nearly equal, hollow; gills 1 line wide, slightly ventricose, decurrent.

321. *H. NIVOSUS*, *B. & Br.* Niveus; pileo e convexo plano tenui subumbonato striato; stipite flexuoso farcto; lamellis angustis utrinque attenuatis subdecurrentibus (no. 904, cum icone).

On the ground. Peradeniya, Jan. 1869.

Snow-white; pileus  $\frac{1}{2}$ –1 inch across, at first campanulate, then plane, subumbonate, thin, smooth, shortly striate, not the least umbilicate; stem 1 inch high,  $\frac{3}{4}$  line thick, stuffed; gills  $\frac{1}{2}$  line broad, attenuated at either end, scarcely decurrent.

No. 877 is apparently a large form of the same species, "dull transparent white." Rather allied to *H. latus* and *H. virgineus*.

322. *H. ALUTACEUS*, *B. & Br.* Pileo umbilicato glabro; margine arcuato striato; stipite obconico; lamellis arcuatis longe decurrentibus alutaceis (no. 800\*).

On the ground. Peradeniya, Jan. 1869.

Pileus 1 inch across; stem 2 inches high, attenuated at the base, dilated upwards, stuffed; gills arched, truly decurrent, tan-coloured.

323. *H. FIRMUS*, *B. & Br.* Flavus; pileo depresso subtiliter tomentoso; stipite sursum dilatato cavo; lamellis segmentiformibus decurrentibus (no. 880).

On the ground. Peradeniya, Jan. 1869.

Yellow, minutely tomentose; pileus 1 inch or more across, umbilicate, margin arched; stem  $1\frac{1}{2}$  inch high, obconical; gills strongly decurrent.

Under the same number is another species, or variety, with the pileus less decidedly yellow, the gills arched, very decurrent, and pale buff.

324. *H. CERACEUS*, *Fr.*

Var. *moschatus*, *B. & Br.* (No. 812).

On the ground. Peradeniya, Nov. 1868.

The only point in which this differs from the European species is the strong musky scent; "but this may possibly be due to a musk-rat having passed over the plat."

325. *H. PYGMÆUS*, *B. & Br.* Pusillus; pileo coccineo glabro viscoso; stipite subæquali lamellisq̃ paucis arcuatis decurrentibus pallidioribus (no. 928, cum icone).

On very rotten wood. Peradeniya, Jan. 1869.

Pileus 1-4 lines across, convex, bright scarlet, viscid; stem  $1\frac{1}{2}$ -3 lines high,  $\frac{1}{2}$  a line thick, a little incrassated at the base, smooth, pale, as are the distant, arched, decurrent gills.

326. *H. MINIATUS*, *Fr.* (No. 816, cum icone.)

On the ground. Peradeniya, Dec. 1868.

A small form resembling *Agaricus coccinellus*, Ehrh.

Spores .0003 long.

327. *H. ROSEO-STRIATUS*, *B. & Br.* Pileo hemisphærico subcarnoso tenui toto roseo-striato; stipite compresso fistuloso lævi; lamellis paucis adnatis planis (no. 812, cum icone).

On the ground. Dec. 1868.

Pileo hemispherical, 1 inch across, yellowish, pink marked with salmon-coloured streaks; stem 2 inches high,  $\frac{1}{4}$  thick, nearly equal, slightly flexuous, yellowish, with a red tinge; gills of the same colour as the stem, nearly plane, adnate, few in number.

The habit is nearly that of *H. chlorophanus*.

328. *H. OBRUSSEUS*, *Fr.*; *Gardn.* (no. 70).

On the ground in woods. July 1844.

329. *H. CONICUS*, *Fr.* (No. 813, cum icone.)

On the ground. Peradeniya, Nov. 1868.

Var. pileo campanulato carnosus obtusus luteo nigro-virgato, carne subcuticula cinerascens; stipite æquali concolori solido; lamellis attenuato-liberis citrinis.

330. *H. CINEREUS*, *B. & Br.* Pileo conico obtuso cinereo glabro; carne alba; stipite deorsum attenuato farcto glabro candido; lamellis attenuato-adnatis (no. 1195, cum icone; no. 205).

On the ground. Jan. 1869.

Pileus  $\frac{3}{4}$  inch across, conical, obtuse, smooth, cinereous; flesh in the centre thick, white; stem  $1\frac{1}{4}$  inch high,  $\frac{1}{4}$  thick in the centre, stuffed, white; gills pallid, slightly ventricose, even, attenuated behind, adnexed.

Not closely allied to any described species. No. 235 is paler than no. 1195.

331. *H. BICOLOR*, *B. & Br.* Pileo e conico-campanulato coccineo, margine lobato, carne alba; stipite æquali e farcto cavo glabro; lamellis pallidis undulatis attenuato-adnexis (no. 702, cum icone).

On the ground. Peradeniya, July, Aug. 1868.

Pileus 1 inch or more across, conico-campanulate, obtusely umbonate, then expanded, scarlet, becoming paler above; flesh thin, white; stem  $2\frac{1}{2}$  inches high, about 2 lines thick, smooth, striate, equal, stuffed, then hollow, white within; gills pallid, undulated, narrow, attenuated behind, adnexed.

Allied to *H. calyptræformis*.

Spores .0002 by .0001.

332. *H. ELEGANTISSIMUS*, *B. & Br.* Roseus; pileo conico-campanulato, umbone acuto, margine extremo undulato rufescente; stipite fistuloso; lamellis undulatis attenuato-adnexis (no. 865, cum icone).

On the ground. Jan. 1869.

Rose-coloured; pileus 1 inch or more across, conico-campanulate, streaked, umbo acute; extreme margin rich sienna-brown, slightly undulated; stem 3 inches high,  $2\frac{1}{2}$  lines thick, smooth, fistulose, attenuated below, smooth; gills ventricose, undulated, uneven, attenuated behind, adnexed.

Allied to the last.

333. *H. APALUS*, *B. & Br.* Pileo conico estriato carnosio subacute umbonato tenui; stipite æquali solido candido lamellis late ventricosis adnexis niveis (no. 1204, cum icone).

On the ground. July 1869.

Pileus  $1-1\frac{1}{4}$  inch across, conical, rather acutely umbonate, smooth, even, fleshy, thin towards the margin, of a delicate clear lemon-colour, darker at the umbo; stem  $1\frac{1}{2}$  inch high, 2 lines thick, even, smooth, white, solid; gills broadly ventricose, slightly undulated, adnexed, white; flesh very pale lemon-coloured.

A very delicate species, differing from any with which it might be confounded in its strictly solid stem, which is distinct in colour from the flesh of the pileus.

Spores .0005 by .0003.

334. *H. ALWISII*, *B. & Br.* Pileo conico carnosio tenui virgato al-bido, margine crenato; stipite sulcato glabro æquali solido; lamellis attenuato-adnexis antice ventricosis candidis (no. 814, cum icone).

On the ground. Peradeniya, Nov. 1868.

Pileus 2 inches across, conical, white, here and there tinged with yellow-brown, especially at the obtuse fleshy umbo; stem nearly 3 inches

high,  $\frac{1}{4}$  thick, twisted, sulcate, smooth, white, solid; gills white, broad in front, attenuated behind, adnexed.

Habit like that of *H. conicus*. The specific name refers to Mr. W. De Alwis, who has drawn the fleshy fungi of Ceylon so exquisitely.

335. *H. CÆSIUS*, *B. & Br.* Pileo campanulato obtuso demum apice rupto livido striato, carne cæsia; stipite glabro eximie fistuloso basi dilatato; lamellis undulatis adnexus cæsiis (no. 856, cum icone).

On the ground. Peradeniya, Dec. 1868.

Pileus campanulate, 1 inch across, livid, smooth, striate, splitting at the apex; margin lobed; flesh thin, glaucous; stem  $1\frac{1}{2}$  inch high,  $\frac{1}{4}$  thick, dilated and truncate at the base, fistulose, sometimes pervious above from the rupture of the flesh of the pileus, smooth, even, white, with a livid glaucous tinge; gills undulated, blue, distant, adnexed.

336. *H. TRICOLOR*, *B. & Br.* Pileo primum digitaliformi demum expanso umbonato glabro; stipite candido subcavo glabro; lamellis versicoloribus truncato-adnexus (no. 794, cum icone).

On the ground. Peradeniya, Nov. 1868.

Pileus  $1\frac{1}{2}$ – $1\frac{3}{4}$  inch across, at first obtusely conical, yellow in the centre, scarlet towards the lobed margin, then expanded, umbonate, slightly striate, smooth; flesh reddish beneath the cuticle; stem 2 inches high,  $\frac{1}{4}$ – $\frac{1}{2}$  thick, nearly equal, white, smooth, stuffed; gills ventricose, truncate behind, adnexed, variously shaded with yellow and red.

Allied to *H. puniceus*, but a much smaller species.

Spores .00035–.0004 long, broadly elliptic.

337. *H. CHLOROPHANUS*, *Fr.* (No. 812.)

On the ground.

338. *H. GLANDULÆFORMIS*, *B. & Br.* Caspitosus; pileo campanulato obtuso estriato glabro demum centro depresso aurantiaco; stipite fistuloso basi attenuato glabro citrino; lamellis postice rotundatis citrinis (no. 879, cum icone).

On the ground. Jan. 1869.

Pileus 1 inch across, at first acorn-shaped, then depressed in the centre, bright orange, smooth, not striate; flesh thin, lemon-coloured; stem 2 inches high,  $\frac{1}{2}$  or more thick, fistulose, attenuated and obtuse at the base, with a little rooting down; walls rough, with little shreds; gills rounded behind, free, lemon-coloured.

This seems to be a distinct type.

339. *RUSSULA PERIGLYPTA*, *B. & Br.* Candidus; pileo hemisphærico viscido umbilicato sulcato; stipite deorsum angustato solido; lamellis arcuatis postice acutis attingentibus (no. 800, cum icone).

On the ground. Peradeniya, Nov. 1868.

Pileus  $2\frac{1}{2}$  inches across, hemispherical, viscid, margin regularly and strongly sulcate; stem nearly 3 inches high,  $\frac{3}{4}$  thick in the middle, attenuated at the base, somewhat swollen in the centre, solid; gills regular, arched,  $\frac{1}{4}$  inch wide, acute behind, reaching to the top of stem; interstices reticulate.

Very regular in form.

Spores globose, echinulate, .00025 in diameter †.

340. *R. EMETICA*, Fr.; *Gardn.* (no. 87, cum icone).

On the ground. Hautane, Aug. 1844.

341. *CANTHARELLUS STOLONIFER*, B. & Br. Pileo convexo umbilicato cinereo tomento adpresso insperso; stipite recto candido cavo; plicis angustis candidis decurrentibus, interstitiis parce reticulatis; mycelio crasso filiformi (no. 751\*, cum icone).

Peradeniya, Dec. 1868.

Pileus 1 inch across, convex, umbilicate, dark, cinereous, rough, with adpressed matted fascicles of down, thin, at length pallid; stem  $1\frac{1}{4}$  inch high, 2 lines thick, smooth, white, compressed, hollow, throwing out at the base stringy threads, which occasionally bear reproductive knots; folds narrow, decurrent, white; interstices slightly reticulated or nearly even.

† The decimals in this paper are all parts of an English inch.