

№ 139

Pseudotomentella griseopergamacea

M.J. Larsen

Figures 1–8

Pseudotomentella griseopergamacea M.J. Larsen 1971 [1 : 38] BPI!

Basidiome effused, separable, araneose to submembranaceous, becoming pellicular, soft, fragile, up to 0.2 (0.4) mm thick.

Hymenophore smooth, some parts with crateriform depressions, pelliculose, somewhat crustose, brittle and slightly fissured when dry.

Hymenial surface becoming continuous, light greyish brown to light olive grey (10YR 7/2 – 5Y 6/2).

Subhymenium thin, poorly developed, not more than 0.1 mm.

Subiculum araneose to hypochnoid, soft fibrous, greyish brown (10YR 5/2), darker than the fertile area.

Margin almost fertile throughout and abrupt or shortly thinning out, infrequently sterile and then byssoid, concolorous with the subiculum.

Rhizomorphs common, easily seen at the margin, in subiculum and cracks of the substratum, compact, smooth or pubescent for the projecting hyphae, up to 0.1 mm thick, pale brown (10YR 6/3).

Hyphal system dimitic with skeletal hyphae associated with rhizomorphs; all generative hyphae with simple septa.

Subhymenial hyphae regular, with relatively long cells, 2.5–4 (5) μm wide, hyaline to subhyaline or very pale yellowish brown.

Subicular hyphae regular, 2–3.5 μm wide, with thickening wall, often branching at right angles and with some simple anastomosis, subhyaline to yellowish or pale ochraceous.

Rhizomorphs starting as thin strands of generative hyphae, 2–5 μm in diam., with thin or slightly thickening wall, almost subhyaline, soon associated with some straight, regular skeletal hyphae, (1) 1.5–2.5 (3) μm wide, with thick to solid walls and a narrow lumen, subhyaline to pale yellowish brown; later becoming structured with a core built up by compactly arranged generative hyphae 2–5 μm , wider in the centre of

rhizomorphs and progressively thinner toward the outer layer built up mostly by numerous skeletal hyphae.

Cystidia absent.

Basidia napiform, stalked and somewhat ventricose or subcylindric in the upper half, (35) 50-70 (100)×(7) 8–10 (11) μm ; 4 sterigmata up to 8 μm long and about 2 μm broad at the base.

Basidiospores with distinctly lobed outline in frontal view and often almost cruciate or 5-lobed, in lateral view slightly elongate with a flattening adaxial side, polar face normally transversally ‘ellipsoid’, 6–9×5–6.5 ×6.8–9 μm , with lobes or broad verrucae not or only shortly and bluntly echinulate, subhyaline to pale yellowish.

Chlamydospores absent.

Chemical reactions: IKI–. CB–. KOH: faint colour change of basidia and hyphae that become slightly more olivaceous.

Incrustation: none.

Specimens examined

USA — New York – Highland Forest, Fabius P. O., Onondaga County, on bark of *Pinus resinosa*, leg. R.L. Gilbertson 3096, 21.X.1961, holotype of *Pseudotomentella griseopergamacea* M.J. Larsen (BPI 291343)

Materials and methods

Specimens sampling and methodological details are described separately in this issue:
Excerpts from *Crusts & Jells, n° 0*

References

- [1] LARSEN, M.J. (1971). ‘Notes on tomentelloid fungi III. New species of *Pseudotomentella*’. *Bulletin of the Torrey Botanical Club*, 98 (1): 38–41. DOI: <http://dx.doi.org/10.2307/2483496>. URL: <http://www.jstor.org/stable/2483496>



Fig. 1: Basidiocarps, ex holotype of *Pseudotomentella griseopergamea* M.J. Larsen. Image width = 65 mm [BPI 291343]



Fig. 2: Basidiome, ex holotype of *Pseudotomentella griseopergamea* M.J. Larsen. Image width = 9 mm [BPI 291343]



Fig. 3: Basidiome, ex holotype of *Pseudotomentella griseopergamea* M.J. Larsen. Image width = 9 mm [BPI 291343]



Fig. 4: Basidiome with rhizomorphs, ex holotype of *Pseudotomentella griseopergamea* M.J. Larsen. Image width = 9 mm [BPI 291343]

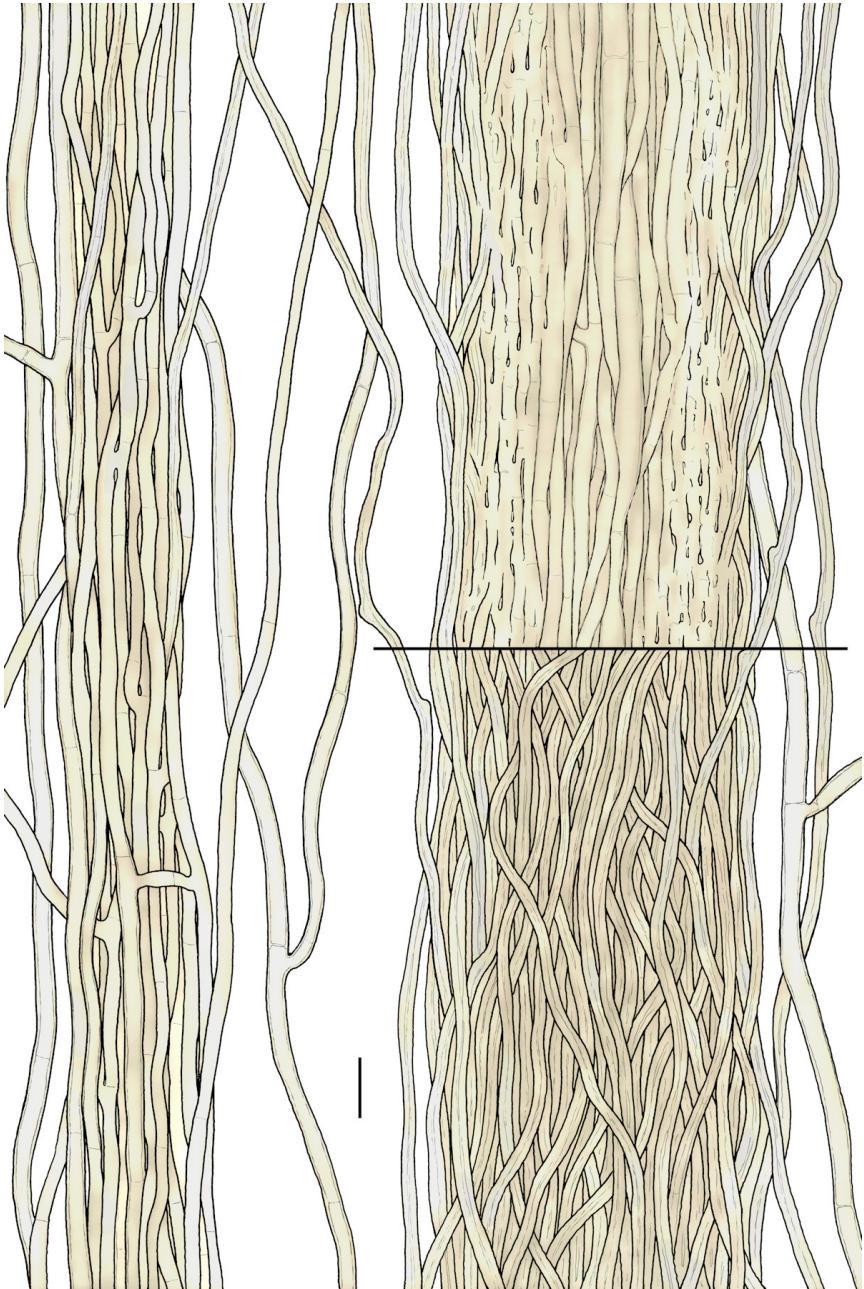


Fig. 5: Rhizomorphs, ex holotype of *Pseudotomentella griseopergamacea* M.J. Larsen. Bar = 10 μ m [BPI 291343]

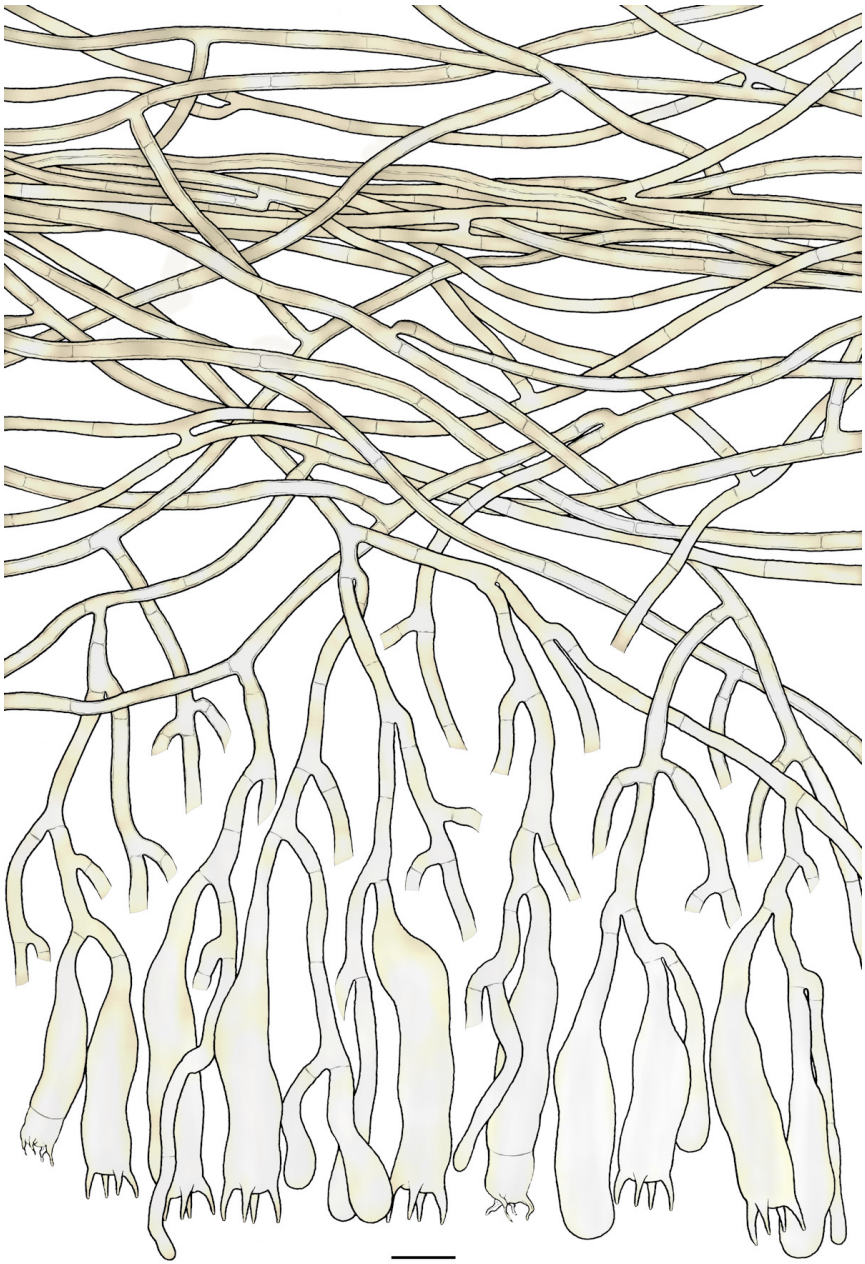


Fig. 6: Basidia, subhymenial and subicular hyphae, ex holotype of *Pseudotomentella griseopergamacea* M.J. Larsen. Bar = 10 μ m [BPI 291343]



Fig. 7: Basidiospores, in LA, ex holotype of *Pseudotomentella griseopergamea* M.J. Larsen [BPI 291343]

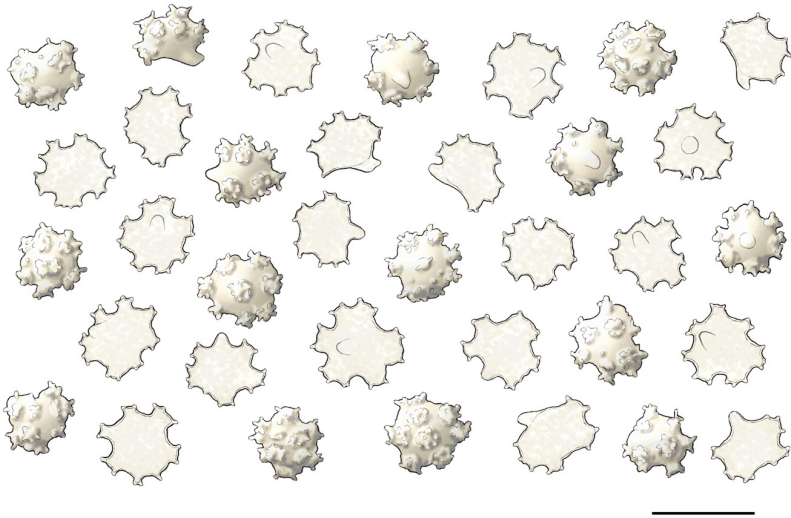


Fig. 8: Basidiospores, ex holotype of *Pseudotomentella griseopergamea* M.J. Larsen. Bar = 10 μm [BPI 291343]



Excerpts from *Crusts & Tells*

Descriptions and reports of resupinate Aphyllophorales and Heterobasidiomycetes

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