

Annotated list of taxonomic novelties published in “Fungi Fenniae Exsiccati. Samling af Finska svampar” issued by P.A. Karsten between 1861 and 1870

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Abstract: Mitchell, J. K. & Bensch, K. 2023: Annotated list of taxonomic novelties published in “Fungi Fenniae Exsiccati. Samling af Finska svampar” issued by P.A. Karsten between 1861 and 1870. *Schlechtendalia* **40**: 280–347.

New taxa and new combinations published by P. A. Karsten in “Fungi Fenniae Exsiccati” in the second half of the 19th century are listed and annotated, supplemented by copies of the labels with the original descriptions or new combinations. References, citations, and the synonymy are corrected when necessary. The nomenclature of some taxa is discussed in more detail. The new combinations *Byssonectria deformis*, *Calycellina leucella*, *Calycellina microspis*, *Echinospaeria canescens*, *Hymenoscyphus suspectus*, *Keissleriella culmifida*, *Lachnellula abietis*, *Leiosphaerella lycopodina*, *Paraleptosphaeria praetermissa*, *Pezoloma ciliiferum*, *Rhodotarzetta euchroa*, *Sydowiella depressula*, and *Tephrocycbe cessans* and the replacement name *Niptera bispore* are introduced.

Zusammenfassung: Mitchell, J. K. & Bensch, K. 2023: Annotierte Liste taxonomischer Neuheiten publiziert in “Fungi Fenniae Exsiccati. Samling af Finska svampar”, herausgegeben von P. A. Karsten zwischen 1861 und 1870. *Schlechtendalia* **40**: 280–347.

Neue Taxa und Kombinationen publiziert von P. A. Karsten in “Fungi Fenniae Exsiccati” in der zweiten Hälfte des 19. Jahrhunderts werden aufgelistet und annotiert, ergänzt durch Kopien der Etiketten mit den Originalbeschreibungen oder Kombinationen. Referenzangaben, Zitate und die Synonymie werden korrigiert falls notwendig. Die Nomenklatur einiger Taxa wird detaillierter besprochen. Die neuen Kombinationen *Byssonectria deformis*, *Calycellina leucella*, *Calycellina microspis*, *Echinospaeria canescens*, *Hymenoscyphus suspectus*, *Keissleriella culmifida*, *Lachnellula abietis*, *Leiosphaerella lycopodina*, *Paraleptosphaeria praetermissa*, *Pezoloma ciliiferum*, *Rhodotarzetta euchroa*, *Sydowiella depressula*, und *Tephrocycbe cessans* und der neue Name *Niptera bispore* werden eingeführt.

Keywords: Fungi, nomenclature, exsiccatae.

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Introduction

Petter Adolf Karsten, the “Father of Finnish mycology” and the pioneer of fungal microscopy (<https://www.luomus.fi/en/botanical-and-mycological-collections>), was born on 16 Feb. 1834 in Merimasku and died on 22 March 1917 in Forssa. His research work included a vast number of specimens representing all groups of fungi and was largely based on material he collected locally at Tammela, southern Finland where he worked as a lecturer at the Mustiala Agriculture Institute (now part of Häme Polytechnic) from 1865 until 1908.

His exsiccata “Fungi Fenniae Exsiccati. Samling af Finska svampar” comprises 998 specimens issued in ten centuries between 1861 and 1870 (nos. 332 and 660 apparently not having been issued). Most are specimens collected near Tammela, but an additional significant source of material was an expedition Karsten had participated in in 1861 to the Kola Peninsula in Russia funded by the Societas pro Fauna et Flora Fennica (Sennikov & Kozhin 2018). The standard abbreviation according to IndExs, the Index of Exsiccatae (<http://indexs.botanischestaatssammlung.de/>) is “Karsten, Fungi Fenn. Exs.” Karsten’s collection is preserved at the Botanical Museum of Finland (H), which bought it from him in 1905 for 10.000 Mk (Elfving 1921: 17).

Details of this exsiccata are provided in Pfister (1985) but are scant. This is due largely to the fact that little has been published about this set. Despite being among Karsten’s earliest scientific works, even detailed biographies typically mention only the start and end dates of this ten-century exsiccata (Elfving 1921, Hintikka 1935, 1950). It is not known how many copies there are or where they are all held, but in addition to the listed copies at FH, UPS, H, and BM and a partial copy at NY can be added a copy at K, possibly an additional partial copy in K in Plowright’s herbarium, and at least a partial copy in S in Rehm’s herbarium. The listing of a possible set at BPI by Pfister has been confirmed to be an error; records at BPI confused this set with Kari’s Fungi Exsiccati Fennici. The dates given by Pfister are based on the title pages of the ten centuries, but there has been some uncertainty about the accuracy of the date given for the first century. This uncertainty has risen largely from the fact that

Saelan, in an overview of Finnish botanical literature, listed Centuries I–IV as having been issued in 1865–6 (Saelan 1867: 104). Saelan later contradicted this, listing Century I as having been issued in 1861 as indicated on the title page (Saelan 1916: 575). Verification of the publication dates has been complicated by the fact that no announcements or advertisements for *Fungi Fenniae Exsiccati* were known to have been published; the only known mentions in contemporary scientific contexts were a report on the 1867 International Exposition in Paris that stated that Century V was being sold by Wasenius & Comp. in Helsinki for 25 Mk (Kornhuber 1869: 279) and Karsten’s (1869: 101) mention in the introduction to *Monographia Pezizarum Fennicarum* that Century VII had been published and was available for 20 Mk from Wasenius & Co. in Helsinki. In both cases, the century mentioned is supposed to have already been available for purchase for years by the time of publication, limiting the usefulness of these mentions for confirming the title page dates. It has come to our attention, though, that announcements were published in local Finnish newspapers. In particular, Century I was announced as being available from Frenckellska Bokhandeln and A. W. Edgren for 4 Rbls in the 25 May 1861 (p. 4) and 28 May 1861 (p. 4) editions of *Åbo Underrättelser*, confirming its publication in 1861 (<https://digi.kansalliskirjasto.fi/sanomalehti/binding/365664?term=Samling%20af%20finska%20svampar&page=4>). The publication dates of some later centuries are likewise confirmed by these announcements: Century II was announced for 16 Mk in the 31 Oct. 1865 edition of *Helsingfors Dagblad* (p. 4, <https://digi.kansalliskirjasto.fi/sanomalehti/binding/688848?term=P.%20A.%20Karsten&page=4>), Century III was announced for 18 Mk in the 21 Nov. 1865 edition of *Helsingfors Tidningar* (p. 4, <https://digi.kansalliskirjasto.fi/sanomalehti/binding/516909?term=P.%20A.%20Karsten&page=4>), and Century VII was announced in the 28 Dec. 1867 edition of *Helsingfors Dagblad* (p. 4, <https://digi.kansalliskirjasto.fi/sanomalehti/binding/436528?term=Fungi&term=Fenniae&term=exsiccati&page=4>).

While extremely helpful for verification of publication dates, the announcements in local newspapers also raise questions about the purpose and intended audience of this exsiccata. By most biographic accounts of Karsten (e.g., Elfving 1921, Hintikka 1935, 1950), mycology was in its infancy in Finland while this set was being issued. There was only one notable mycologist in Finland, William Nylander, and not yet much interest at the amateur level. The choice to advertise this set (at least at first) solely in local newspapers and not in scientific publications would seem to indicate that Karsten intended the set to be used primarily by Finns, perhaps for the purpose of sparking interest in mycology in his country. If the 16 advertisements placed by Wasenius & Comp. in February and March of 1866 offering Centuries II and III for sale in *Helsingfors Tidningar* are anything to go by, this effort was less than successful. This would seem to be borne out also by the fact that only one set is at present known to still be in Finland.

An almost complete set of “*Fungi Fenniae Exsiccati*” (only one label missing, no. 316) preserved in FH was the base for the present nomenclatural study and reassessment of names; a scan of the missing label was provided by staff at H. While possessing an almost complete set of labels, the FH set presents several irregularities. Foremost among these is the fact that many specimens are missing. This has been noted on many packets, most dating to the re-curation of the set in 1975, when the packets and sheets specimens were stored in were replaced with archival materials. In addition to the empty packets, many packets contain replacements. These are generally indicated by a handwritten slip in the packet in Karsten’s hand containing a taxon name and collecting information. In at least one case (no. 932, *Schmitzomyces elevata*) though, the specimen in the packet is apparently wrong (the specimen is on a monocot and not *Symphoricarpos*, as indicated on the packet) and lacks any other indication of replacement. While these factors complicate use of this set (researchers may wish to consult one of the other sets as well), the substituted material in some cases seems to represent candidate type material of taxa not included in the original issue of the set (e.g., FH 00785331, *Sphaeria hydrophila* P. Karst. substituted for no. 335, *Hysterium pinastri* var. *juniperinum*) or issued later in the exsiccata (e.g., FH 00785019, *Sphaerella caulicola* substituted for no. 20, *Sphaeria leptidea* Fr.). These substitutions would seem to point to this copy of *Fungi Fenniae Exsiccati* having been made up of leftover material and labels rather than being one of the original sets presumably prepared by Karsten. The archives of the Farlow Herbarium were searched for information on the provenance of this set to no avail. While Karsten corresponded directly with both William Gilson Farlow and his student, Roland Thaxter, very little of this correspondence has been preserved, and no mention of the set is made in the remaining letters.

According to ICN, Art. 30.7 (Ex. 13), descriptions on labels accompanying distributed specimens (exsiccatae) issued prior to 1953 are effectively published. This means that (contrary to widely held belief) valid names published on printed labels of distributed exsiccatae must be taken into consideration with regard to priority issues of taxa. Later publications in books or journals (possibly with repeated descriptions) are later isonyms (Art. 6.3, Note 2) that have to be disregarded (Braun 2018).

Another portion of the ICN relevant to this exercise is Art. 41.5–8, the portion concerning requirements post-1953 for valid publication of new combinations, names at new rank, and replacement names. While originally vaguely worded (Greuter 1998), the clarified and added rules in the St. Louis (Art. 33.3–6) and later codes require that authors publishing new combinations, names at new state, and replacement names cite the place of original publication of the previously validly published name their proposed nomenclatural novelty is based on, and not later publications. This requirement does include a handful of exceptions (outlined in Art. 41.8) which allow citation of a later or earlier work to be treated as a correctable error, not requiring any additional nomenclatural acts, but these exceptions are limited. This has resulted in a fairly large number of invalidly published combinations proposed after 1953 which have not widely been realized to be invalidly published. This has been recognized by some authors (e.g., Redhead et al. 2011, Ahti et al. 2015, Parra et al. 2017), but remains relatively unknown with many people apparently satisfied to take the entries in Index Fungorum or MycoBank at face value. This rule is particularly relevant in the case of names originally published in exsiccatae as publication of these names frequently precedes publication elsewhere by years. The situation is made worse by the widespread misunderstanding that printed labels in exsiccatae do not constitute valid publication and researchers' limited access to exsiccatae labels for verification.

In the particular case of Fungi Fenniae Exsiccati, this is a significant issue. Some names published in this exsiccata precede publication in a later work by up to 13 years (*Puccinia lysimachiae*). Most authors, perhaps ultimately following Saccardo's treatment in his *Sylloge Fungorum*, have cited as the place of publication of these new names Karsten's *Mycologia Fennica*, consisting of four parts published from 1871–9, entirely after the publication of Fungi Fenniae Exsiccati had concluded. This work contains extensive references to the specimens issued in Fungi Fenniae Exsiccati, as do many of Karsten's publications from the era. Citation as basionym a later work when Karsten references a label from Fungi Fenniae Exsiccati constituting valid publication is therefore not correctable under Art. 41.8(a). For an error in citation to be correctable in most cases, designation of or full and direct reference to a type is required. Not all the labels Karsten issued in this exsiccata and cited in later works bear a description or diagnosis, however, and so some name first mentioned in Fungi Fenniae Exsiccati are in fact to be cited as validly published in a later work. The fact that only eight partial or full copies of this exsiccata are known to exist and individual labels bear neither the name of the exsiccata or Karsten's name makes it difficult for researchers to obtain the information required to verify whether their citations of basionyms or replaced synonyms are correct when dealing with names Karsten cited in his journal articles as appearing in Fungi Fenniae Exsiccati.

In the course of this project, 14 "names" in current use were found to have been invalidly published and are validated here. This is done with the help of Hermann Voglmayr (*Leiosphaerella lycopodina*), Uwe Lindemann (*Byssonectria deformis*), Jan Hengstmengel (*Hymenoscyphus suspectus*), Andrew Miller (*Echinosphaeria canescens*), Ron Bronckers (*Rhodotarzetta euchroa*), Hans-Otto Baral (*Niptera bisporea*), and Gerard Verkleij (*Paraleptosphaeria praetermissa*). The remaining combinations validated here were originally proposed by authors now deceased.

The following list contains taxonomic novelties published in Karsten's exsiccata, together with copies of the original labels.

Annotated list of taxa

All scanned labels of "P.A. Karsten, Fungi Fenniae Exsiccati. Samling af Finska svampar" added to the following list are based on a nearly complete set of this exsiccata deposited at the Farlow Herbarium (FH) of Harvard University. Specimen barcodes are provided for all specimens in the figure legends.

Cent. 1

Phragmidium incrassatum f. *rosarum* (Rabenh.) P. Karst., Fungi Fenn. Exs., Cent. 1: no. 4, 1861.
≡ *Phragmidium incrassatum* a. *rosarum* Rabenh., Deutschl. Krypt.-Fl. 1: 32, 1844.

≡ *Phragmidium incrassatum* var. *rosarum* Wallr., Fl. Crypt. Germ. 2: 188, 1833, nom. illeg., Art. 52.1.
 Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 4 (fig. 1). The combination was also proposed by Fuckel (1861: 8).

4. *Phragmidium incrassatum* Link f. *rosarum* Rbnh.

Fig. 1 (FH 00785003)

Tubercularia vulgaris f. *betulae* (Wallr.) P. Karst., Fungi Fenn. Exs., Cent. 1: no. 14, 1861.

≡ *Tubercularia vulgaris* var. *betulae* Wallr., Fl. Crypt. Germ. 2: 238, 1833.

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 14 (fig. 2). It is very probably a synonym of *Nectria cinnabarina*.

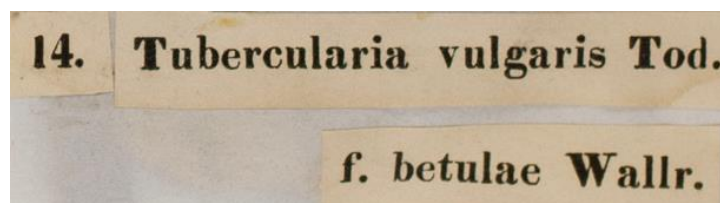


Fig. 2 (FH 00785013)

Aecidium cornutum f. *sorbi* (Rabenh.) P. Karst., Fungi Fenn. Exs., Cent. 1: no. 28, 1861.

≡ *Aecidium cornutum* d. *sorbi* Rabenh., Deutschl. Krypt.-Fl. 1: 20, 1844.

≡ *Caeoma cylindrites* Link, in Willd., Sp. Pl. 6(2): 64, 1825, nom. illeg., Art. 52.1.

= *Aecidium cornutum* J.F. Gmel., Syst. Nat. Ed. 1791 2(2): 1472, 1792, nom. sanct. [Pers., Syn. Meth. Fung. 1: 205].

≡ *Gymnosporangium cornutum* (J.F. Gmel.) Arthur, Mycologia 1(6): 240, 1909.

[Full synonymy, see <https://www.mycobank.org/MB/541831>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 28 (fig. 3).

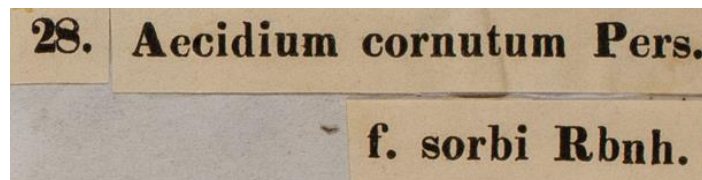


Fig. 3 (FH 00785027)

Aecidium compositarum f. *tussilaginis* (J.F. Gmel.) P. Karst., Fungi Fenn. Exs., Cent. 1: no. 39, 1861.

≡ *Aecidium tussilaginis* J.F. Gmel., Syst. Nat. Ed. 1791 2(2): 1473, 1792, nom. sanct. [Pers., Syn. Meth. Fung. 1: 209].

= *Puccinia poarum* Nielsen, Bot. Tidsskr. Ser. 3 2: 34, 1879.

[Full synonymy, see <https://www.mycobank.org/MB/194454>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 39 (fig. 4). The current name for this species is not compliant with Art. 11.4; a combination in *Puccinia* should likely be proposed for *Aecidium tussilaginis*, or *Puccinia poarum* should be conserved or protected.

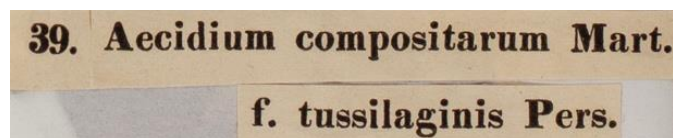


Fig. 4 (FH 00785038)

Phragmidium incrassatum f. *ruborum* (Rabenh.) P. Karst., Fungi Fenn. Exs., Cent. 1: no. 60, 1861.

≡ *Phragmidium incrassatum* b. *ruborum* Rabenh., Deutschl. Krypt.-Fl. 1: 32, 1844.

≡ *Phragmidium incrassatum* var. *ruborum* Wallr., Fl. Crypt. Germ. 2: 189, 1833, nom. illeg., Art. 52.1.

≡ *Puccinia mucronata* var. *rubi* Pers., Neues Mag. Bot. 1: 118 & T. 3 fig. 5b, 1794, nom. sanct. [Pers., Syn. Meth. Fung. 1: 230].

≡ ***Phragmidium rubi*** (Pers.) G. Winter, Rabenh. Krypt.-Fl. Ed. 2, Band 1 Abth. 1(Lief. 4): 230, 1881 [1884].

[Full synonymy, see <https://www.mycobank.org/MB/210476>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 60 (fig. 5). The combination was also proposed by Fuckel (1861: 8).

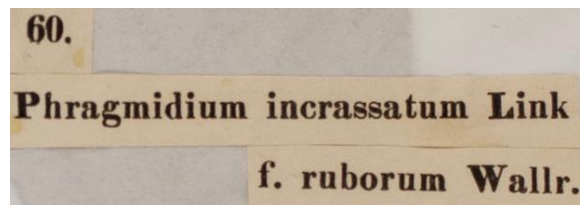


Fig. 5 (FH 00785059)

Uredo candida f. *cruciferarum* (Rabenh.) P. Karst., Fungi Fenn. Exs., Cent. 1: no. 78, 1861.

≡ *Uredo candida* a. *cruciferarum* Rabenh., Deutschl. Krypt.-Fl. 1: 13, 1844.

≡ *Uredo cruciferarum* DC., in Lam. & DC., Fl. Franç. 2: 596, 1805, nom. illeg., Art. 52.1.

= *Aecidium candidum* Pers. ex. J.F. Gmel., Syst. Nat. Ed. 1791 2(2): 1473, 1792.

≡ *Uredo candida* (Pers. ex. J.F. Gmel.) Pers., Syn. Meth. Fung. 1: 223, nom. sanct. [Pers., l.c.].

≡ ***Albugo candida*** (Pers. ex. J.F. Gmel.) Roussel, Fl. Calvados Ed. 2: 47, 1806.

[Full synonymy, see <https://www.mycobank.org/MB/122113>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 78 (fig. 6).

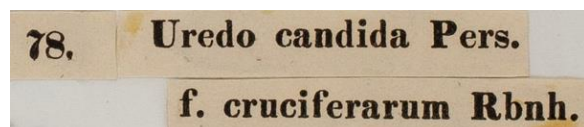


Fig. 6 (FH 00785077)

Uredo fulva f. *sonchorum* (Wallr.) P. Karst., Fungi Fenn. Exs., Cent. 1: no. 83, 1861.

≡ *Erysibe fulva* var. *sonchorum* Wallr., Fl. Crypt. Germ. 2: 188, 1833.

≡ *Uredo fulva* a. *sonchorum* (Wallr.) Rabenh., Deutschl. Krypt.-Fl. 1: 12, 1844.

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 83 (fig. 7).

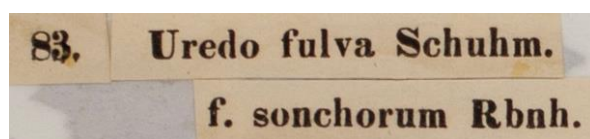


Fig. 7 (FH 00785082)

Cent. 2

Coniophora puteana (Schumach.) P. Karst. (as '*puteanea*'), Fungi Fenn. Exs., Cent. 2: no. 135, 1865 [Not. Sällsk. Fauna Fl. Fenn. Förh. 9: 370, 1868].

≡ *Thelephora puteana* Schumach., Enum. Plant. 2: 397, 1803, nom. sanct. [Fr., Syst. Mycol. 1: 448, 1821].

[Full synonymy, see <https://www.mycobank.org/MB/204571>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 135 (fig. 8).

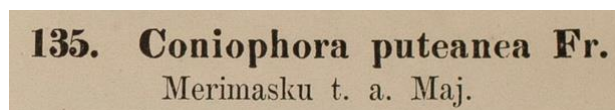


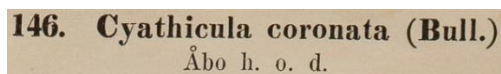
Fig. 8 (FH 00785134)

Cyathicula coronata (Bull.) P. Karst., Fungi Fenn. Exs., Cent. 2: no. 146, 1865.

≡ *Peziza coronata* Bull., Herb. France 9: pl. 416, fig. 4, 1789, nom. sanct. [Fr., Syst. Mycol. 2: 120, 1822].

[Full synonymy, see <https://www.mycobank.org/MB/144480>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 146 (fig. 9). The combination was also proposed by Rehm (1893: 740).



146. *Cyathicula coronata* (Bull.)
Åbo h. o. d.

Fig. 9 (FH 00785145)

Tubercularia vulgaris f. *aesculi* (Opiz) P. Karst., Fungi Fenn. Exs., Cent. 2: no. 156, 1865.

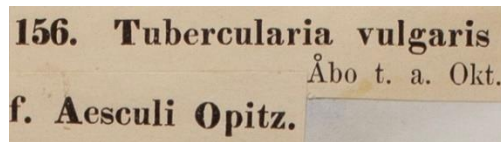
≡ *Tubercularia aesculi* Opiz, in Corda, Icon. fung. 1: 4, tab. 1, fig. 77, 1837.

= *Sphaeria cinnabarina* Tode, Fung. Mecklenb. Sel. 2: 9, 1791, nom. sanct. [Fr., Syst. Mycol. 2(2): 412, 1823].

≡ *Nectria cinnabarina* (Tode) Fr., Summa Veg. Scand. 2: 388, 1849.

[Full synonymy, see <https://www.mycobank.org/MB/249710>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 156 (fig. 10).



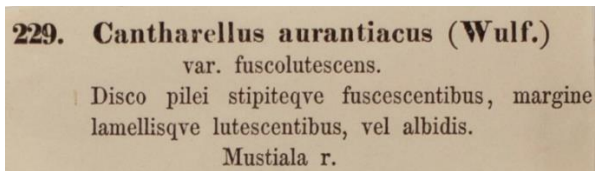
156. *Tubercularia vulgaris*
f. **Aesculi Opitz.**
Åbo t. a. Okt.

Fig. 10 (FH 00785155)

Cent. 3

Cantharellus aurantiacus var. *fuscolutescens* P. Karst., Fungi Fenn. Exs., Cent. 3: no. 229, 1865.

Notes: This is a new variety name validly published on the label of Karsten, Fungi Fenn. Exs. 229 (fig. 11).



229. *Cantharellus aurantiacus* (Wulf.)
var. *fuscolutescens.*
Disco pilei stipiteqve fusciscentibus, margine
lamellisqve lutescentibus, vel albidis.
Mustiala r.

Fig. 11 (FH 00785228)

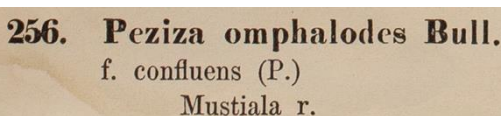
Peziza omphalodes f. *confluens* (Pers.) P. Karst., Fungi Fenn. Exs., Cent. 3: no. 256, 1865.

≡ *Peziza confluens* Pers., Observ. Mycol. 2: 81, 1800 [1799].

= *Pyronema omphalodes* (Bull.) Fuckel, Jahrb. Nassauischen Vereins Naturk. 23–24: 319, 1870.

[Full synonymy, see <https://www.mycobank.org/MB/195122>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 311 (fig. 12).



256. *Peziza omphalodes* Bull.
f. *confluens* (P.)
Mustiala r.

Fig. 12 (FH 00785255)

Tubercularia vulgaris f. *sambuci* (Corda) P. Karst., Fungi Fenn. Exs., Cent. 3: no. 258, 1865.

≡ *Tubercularia sambuci* Corda, Icon. Fung. 1: 4, tab. 1, fig. 69, 1837.

≡ *Tubercularia vulgaris* l. *sambuci* (Corda) Rabenh., Deutschl. Krypt.-Fl. 1: 54, 1844.

= *Nectria cinnabarina* (Tode) Fr., Summa Veg. Scand. 2: 388, 1849.

[Full synonymy, see <https://www.mycobank.org/MB/249710>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 258 (fig. 13).

258. Tubercularia vulgaris Tod.
f. Sambuci Rab.
Tub. Sambuci Cda.
Åbo t. a.

Fig. 13 (FH 00785257)

Sordaria coprophila f. *hirtula* P. Karst., Fungi Fenn. Exs., Cent. 3: no. 284, 1865, nom. inval., Art. 35.2.

= *Sordaria winteri* P. Karst. (as 'Winterii'), Bidrag Kännedom Finlands Natur Folk 23: [251], 1873.

= ***Podospora appendiculata*** (Auersw. ex Niessl) Niessl, Hedwigia 22(10): 156, 1883.

Notes: This is an invalidly published name as the epithet is not definitely associated with the name of the species on the label of Karsten, Fungi Fenn. Exs. 284 (fig. 14). Later, it was included in the circumscription of the new species *Sordaria winteri* P. Karst. 1873. Karsten (1873: 52) first published the name *Sordaria breviseta* with a detailed description but as a combination based on *Malinvernia breviseta* Fuckel. The latter one is however an illegitimate name as its circumscription includes the name *Sphaeria pauciseta* Ces. On page [251] Karsten (1873) corrected the name to 'winteri' stating that it is not identical with Fuckel's name. Lundqvist (1972: 129–132) lectotypified *Sordaria winteri* and placed it in synonymy with ***Podospora appendiculata*** (Auersw. ex Niessl) Niessl.

284. Sordaria coprophila (Fr.) Ceset DN.
Sfer. ital. Cent. 1. n. 20. Hypoxylon Fr. Summ.
Tyrvis h. o. d.
Obs. Occurrit etiam forma: hirtula, haud dissimilis
Sord. fimisedae. Ces. et DN., at sporidia appendiculaeque
polorum Sord. coprophilae.

Fig. 14 (FH 00785283)

Cent. 4

Trametes fibrillosa (P. Karst.) P. Karst., Fungi Fenn. Exs., Cent. 4: no. 311, 1866.

≡ *Polyporus fibrillosus* P. Karst., Syd. Finl. Polypor.: 30, 1859.

= ***Pycnoporellus fulgens*** (Fr.) Donk, Persoonia 6(2): 216, 1971.

[Full synonymy, see <https://www.mycobank.org/MB/322113>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 311 (fig. 15). The name was lectotypified by Lowe (1956), see also Niemelä (1980).

311. Trametes fibrillosa Karst.
Polyp. fibrill. Karst. Syd. Finl. Polyp. 30.
Pileo applanato, adpresse fibrosohirto, purpurascente
(praec. madefacto), leviter zonato, intus laxe fibroso, poris
sat minutis, longis, subangulatis, laceratis, pallidioribus.
Affinis Polyp. cuticular.
På aspstubbar vid Rosnäs i Sideby den 23 Juni 1859.

Fig. 15 (FH 00785310)

Tremella albida f. *betulae* P. Karst., Fungi Fenn. Exs., Cent. 4: no. 317, 1866.

= ***Exidia candida*** Lloyd, Mycol. Not. 5(44): 620, 1916.

[Full synonymy, see <https://www.mycobank.org/MB/205540>]

Notes: This is a new form name validly published on the label of Karsten, Fungi Fenn. Exs. 317 by provision of the host ("björk", *Betula* sp.) (fig. 16). A lectotype (H 6048760) was designated by Spirin et al. (2017: 5).

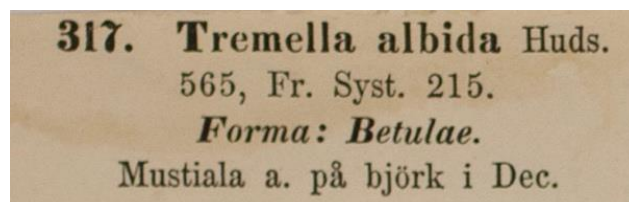


Fig. 16 (FH 00785315)

Peziza resinae var. *stipitulata* P. Karst., Fungi Fenn. Exs., Cent. 4: no. 324, 1866, nom. inval., Art. 38.1(a).

= *Zythia resinae* (Ehrenb.) P. Karst., Meddeland. Soc. Fauna Fl. Fenn. 14: 104, 1887 [1888].

[Full synonymy, see <https://www.mycobank.org/MB/146209>].

Notes: This is a *nomen nudum*, invalidly published as a description is lacking (fig. 17). Later, it was mentioned by Karsten (1885: 154) with the brief diagnosis “variat stipitata” under *Tromera resinae*, but without denoting a rank or definitely associating the epithet “*stipitulata*” with the name *Tromera resinae*, a fact overlooked by Mitchell et al. (2021). The name was validly published as *Tromera resinae* var. *stipitulata* Sacc. in 1889 by reference to Karsten’s (l.c.) diagnosis (Saccardo 1889: 469).

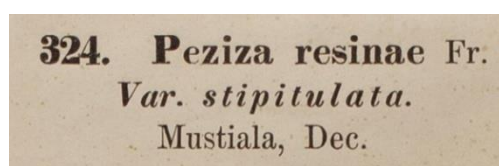


Fig. 17 (FH 01093952)

Cenangium furfuraceum (Roth) P. Karst., Fungi Fenn. Exs., Cent. 4: no. 326, 1866.

≡ *Peziza furfuracea* Roth, Catal. Bot. 2: 257, 1800, nom. sanct. [Fr., Syst. Mycol. 2: 76, 1822]

≡ *Encoelia furfuracea* (Roth) P. Karst., Bidrag Kännedom Finlands Natur Folk 19: 218, 1871.

[Full synonymy, see <https://www.mycobank.org/MB/202507>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 326 (fig. 18). The combination is often attributed to De Notaris (1864: 384), but the species is given there as *Dermatea furfuracea* although listed in the genus *Cenangium*.

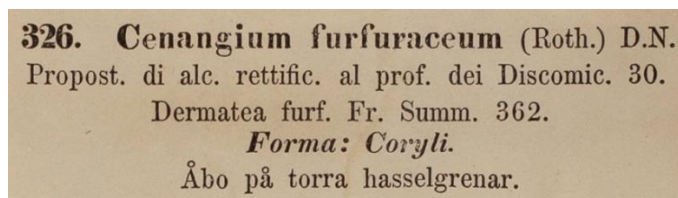


Fig. 18 (FH 00785323)

Lachnella alboviolascens f. *caraganae* P. Karst., Fungi Fenn. Exs., Cent. 4: no. 329, 1866.

= *Lachnella alboviolascens* (Alb. & Schwein.) Fr., Summa Veg. Scand. 2: 365, 1849.

Notes: This is a new form name validly published on the label of Karsten, Fungi Fenn. Exs. 329 by provision of the host (*Caragana arborescens*) (fig. 19). Donk (1959) lists the name as synonym of *Lachnella alboviolascens*.

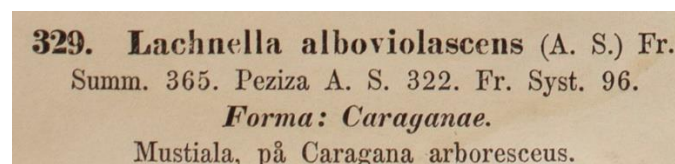


Fig. 19 (FH 00785326)

Phacidium pini f. *juniperi* P. Karst., Fungi Fenn. Exs., Cent. 4: no. 339, 1866.

≡ *Phacidium juniperi* (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 257, 1870 [1871].

≡ *Coccomyces juniperi* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 19: 254, 1871.

≡ *Colpoma juniperi* (P. Karst.) Dennis, Kew Bull. 12(3): 401, 1957.

[Full synonymy, see <https://www.mycobank.org/MB/295446>]

Notes: This is a new form name validly published on the label of Karsten, Fungi Fenn. Exs. 339 by provision of the host (“enbarr”, needles of *Juniperus* sp.). (fig. 20).

339. Phacidium Pini (A. S.) Schm.
Forma: Juniperi.
Merimasku a. på enbarr.

Fig. 20 (FH 00785335)

Pseudovalsa schistostroma (Duby ex Rabenh.) P. Karst., Fungi Fenn. Exs., Cent. 4: no. 344, 1866.

≡ *Sphaeria schistostroma* Duby ex Rabenh., Fungi Eur. Exs., Cent. 1: no. 53, 1859.

[Full synonymy, see <https://www.mycobank.org/MB/202825>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 344 (fig. 21).

344. Pseudovalsa schistostroma (Dub.)
Mustiala, på Ribes aureum i Febr.

Fig. 21 (FH 00785340)

Gnomonia gnomon (Tode) P. Karst., Fungi Fenn. Exs., Cent. 4: no. 348, 1866.

≡ *Sphaeria gnomon* Tode, Fung. Mecklenb. Sel. 2: 50, 1791, nom. sanct. [Fr., Syst. Mycol. 2: 517, 1822].

[Full synonymy, see <https://www.mycobank.org/MB/120553>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 348 (fig. 22). Karsten attributes the combination to Cesati & De Notaris (1863: 232), but those authors used instead the illegitimate (Art. 52.1) replacement name *Gnomonia vulgaris*, likely to avoid a perceived tautonym. The combination was also proposed by Schröter in Cohn (1897: 390). The type species of the genus *Gnomonia* was lecto- and epitypified in Sogonov et al. (2005).

348. Gnomonia Gnomon (Tode) Ces, D.N.
Schem. sfer. Sphaeria Gn. Fr. Syst. 517.
Runsala, på förmultnande hasselblad i Maj 1861.

Fig. 22 (FH 00785344)

Gnomonia curva (Wallr.) P. Karst., Fungi Fenn. Exs., Cent. 4: no. 349, 1866.

≡ *Sphaeria curva* Wallr., Fl. Crypt. Germ 2: 803, 1833.

≡ *Stromatostysanus curvus* (Wallr.) U. Braun, Sydowia 45(1): 88, 1993.

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 349 (fig. 23). The combination was also proposed by Fuckel (1870: 123).

349. Gnomonia curva (Wallr.)
Sphaeria curva Wallr. 803. Rab. Krypt. fl. 172.
Mustiala, på nedfallna blad af Rib. alpin. i Dec. 1865.

Fig. 23 (FH 00785345)

Cryptosphaeria stricta (Pers.) P. Karst., Fungi Fenn. Exs., Cent. 4: no. 353, 1866.

≡ *Sphaeria stricta* Pers., Syn. Meth. Fung. 1: 59, 1801, nom. sanct. [Fr., Syst. Mycol. 2: 474, 1823].

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 353 (fig. 24).

353. Cryptosphaeria stricta (Pers.)
Sphaeria str. Pers. Fr. Syst. 474.
Merimasku på ekved i Mars.

Fig. 24 (FH 00785349)

Valsa sorbi f. *padi* P. Karst., Fungi Fenn. Exs., Cent. 4: no. 355, 1866.

≡ *Valsa padi* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 23: 134, 1873.

≡ *Eutypella padi* (P. Karst.) Sacc., Syll. Fung. 1: 147, 1882.

[Full synonymy, see <https://www.mycobank.org/MB/150300>]

Notes: This is a new form name validly published on the label of Karsten, Fungi Fenn. Exs. 355 (fig. 25) by provision of the host ("hägg", *Prunus padus*).

355. Valsa sorbi Fr. Summ. 411.
Forma: Padi.
Wasa, på hägg i Juni 1864.

Fig. 25 (FH 00785351)

Phoma excentrica P. Karst. (as 'excentricum'), Fungi Fenn. Exs., Cent. 4: no. 364, 1866.

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 364 (fig. 26).

364. Phoma excentricum n. sp.

Peritheciis medio magnitudine, sparsis vel fere gregariis, primo tectis, dein epidermide secedente liberis, multiformibus, compressis vel complanatis, plicatulis, atris, nitidis, ostiolis cylindraceis, perithecia aequantibus, quasi lateralibus, epidermidem erumpentibus, sporidiis cylindraceis vel fusoides, parvis, hyalinis.

Kitsa i ryska lappmarken (latit. 68°), på Astragalus alpinus d. 30 Juni 1861.

Fig. 26 (FH 00785360)

Uncinula adunca f. *salicum* (Rabenh.) P. Karst., Fungi Fenn. Exs., Cent. 4: no. 367, 1866.

≡ *Erysiphe adunca* bb. *salicum* Rabenh. (as 'Erysibe'), Deutschl. Krypt.-Fl. 1: 236, 1844.

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 367 (fig. 27).

367. Uncinula adunca Lév.
Forma: Salicum.
Syn. Erysiphe adunca Lk bb. Salicum Rab. Krypt. fl. 236.
Mustiala på Salix.

Fig. 27 (FH 00785363)

Phyllosticta trientalis (Lasch ex Rabenh.) P. Karst., Fungi Fenn. Exs., Cent. 4: no. 373, 1866.

≡ *Depazea trientalis* Lasch ex Rabenh., Deutschl. Krypt.-Fl. 1: 138, 1844.

≡ *Septoria trientalis* (Lasch ex Rabenh.) Sacc., Bull. Soc. Mycol. France 5(4): 121, 1890 [1889].

[Full synonymy, see <https://www.mycobank.org/MB/208628>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 373 (fig. 28).

373. Phyllosticta Trientalis (Lasch.)
Depaz. Trient. Lasch. Rab. Krypt. fl. 138.
Depaz. vagans a) Trientalis Fr. Syst. 534.
Wasa, på Dufkulleblad.

Fig. 28 (FH 00785369)

Ustilago segetum f. *polygoni* P. Karst., Fungi Fenn. Exs., Cent. 4: no. 394, 1866.

≡ *Caeoma utriculosum* Nees, Syst. Pilze: 14, tab. 1, fig. 6, 1816.

= *Sphacelotheca hydropiperis* (Schumach.) de Bary, Vergl. Morph. Biol. Pilze: 187, 1884.

[Full synonymy, see <https://www.mycobank.org/MB/227738>]

Notes: This is a new replacement name validly published on the label of Karsten, Fungi Fenn. Exs. 394 (fig. 29).

394. Ustilago segetum Ditm.
i Sturm. D. F. 111. H. 3. p. 67. Bon.
Coniomyc. u. Crypt. 26.
Forma: Polygoni.
Syn.: *Caeoma utriculosum* Lk.
Mustiala a. i Polygonum arters fröhus.

Fig. 29 (FH 00785390)

Cent. 5

Heyderia cucullata (Batsch) P. Karst., Fungi Fenn. Exs., Cent. 5: no. 447, 1866.

≡ *Helvella cucullata* Batsch (as 'Elvela'), Elench. Fung. Continuatio Prima: 189, 1786.

≡ *Geoglossum cucullatum* (Batsch) Fr., Elench. Fung. 1: 233, 1828, nom. sanct. [Fr., l.c.].

[Full synonymy, see <https://www.mycobank.org/MB/511214>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 447 (fig. 30). The combination was also proposed by Bacyk & Van Vooren in Bacyk (2005: 42).

447. Heyderia cucullata (Batsch.)
Fr. Summ. p. 347.
Merimasku, på barr, Sept.

Fig. 30 (FH 00785443)

Cyathicula calycina (Pers.) P. Karst., Fungi Fenn. Exs., Cent. 5: no. 460, 1866 [Enum. Fung. Lapponia: 207, 1866].

≡ *Peziza calycina* Pers., Syn. Meth. Fung. 2: 653, 1801 [Schumach., Enum. Pl. 2: 424, 1803], nom. sanct. [Fr., Syst. Mycol. 2: 91, 1822].

≡ *Helvella calyciformis* Batsch (as 'Elvela'), Elench. Fung. Continuatio Prima: 195, 1786.

≡ *Lachnellula calyciformis* (Batsch) Dharne, Phytopathol. Z. 53(2): 124, 1964.

[Full synonymy, see <https://www.mycobank.org/MB/332845>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 460 (fig. 31).

460. Cyathicula calycina (Schum.)
D. N:ris Prop. di alc. rett. al. Prof. d. Disc. p. 27.
Mustiala, Maj 1866.

Fig. 31 (FH 00785456)

Ascobolus carbonarius P. Karst., Fungi Fenn. Exs., Cent. 5: no. 463, 1866 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 202, 1870 [1871].

[Full synonymy, see <https://www.mycobank.org/MB/145251>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 463 (fig. 32).

463. Ascobolus carbonarius n. sp.
Sessilis, concaviusculus, externe furfuraceus, viridiluteus, mox brunneus; asci 8 spori; paraphyses filiformes; sporidia oblongo-ellipsoidea purpurascente nigra; magnitudo Asc. furf., cui primum externa facie similis.
På svedjeländer vid Mustiala, Sept. 1866.

Fig. 32 (FH 00785459)

Gnomonia coryli (Batsch) P. Karst., Fungi Fenn. Exs., Cent. 5: no. 472, 1866 [Not. Sällsk. Fauna Fl. Fenn. Förh. 13: 222, 1873].

≡ *Sphaeria coryli* Batsch, Elench. Fung. Continuatio Secunda: 131, 1789, nom. sanct. [Fr., Syst. Mycol. 2: 436, 1823].

≡ ***Mamianiella coryli*** (Batsch) Höhn., Ber. Deutsch. Bot. Ges. 35(8): 637, 1917.

[Full synonymy, see <https://www.mycobank.org/MB/179634>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 472 (fig. 33). The combination was also proposed by Auerswald in Gonnermann & Rabenhorst (1869: 23).

472. *Gnomonia Coryli* (Batsch.)
Sphaer. Batsch. El. Fr. Syst. 11. p. 436.
Runsala, 15 Sept. 1866.

Fig. 33 (FH 00785468)

Gnomonia chamaemori (Fr.) P. Karst., Fungi Fenn. Exs., Cent. 5: no. 473, 1866 [Bidrag Kännedom Finlands Natur Folk 23: 123, 1873; Not. Sällsk. Fauna Fl. Fenn. Förh. 13: 222, 1873].

≡ *Sphaeria chamaemori* Fr., Syst. Mycol. 2(2): 519, 1823, nom. sanct. [Fr., *l.c.*].

≡ ***Gnomoniopsis chamaemori*** (Fr.) Berl., Icon. Fung. 1(3): 93, 1893 [1894].

[Full synonymy, see <https://www.mycobank.org/MB/209402>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 473 (fig. 34).

473. *Gnomonia Chamaemori* (Fr.)
Sph. Cham. Fr. Syst. 11. p. 519.
Mustiala, Maj 1866.

Fig. 34 (FH 00785469)

Hypopteris graminis (Pers.) P. Karst., Fungi Fenn. Exs., Cent. 5: no. 483, 1866.

≡ *Sphaeria graminis* Pers., Ann. Bot. (Usteri) 15: 18, 1795, nom. sanct. [Fr., Syst. Mycol. 2(2): 434, 1823].

≡ ***Phyllachora graminis*** (Pers.) Fuckel, Jahrb. Nassauischen Vereins Naturk. 23–24: 216, 1870.

[Full synonymy, see <https://www.mycobank.org/MB/200927>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 483 (fig. 35).

483. *Hypopteris graminis* (Pers.)
Fr. Summ. p. 387.
Messuby, Sept. 1860.

Fig. 35 (FH 00785479)

Epicoccum scabrum var. *tritici* P. Karst., Fungi Fenn. Exs., Cent. 5: no. 489, 1866.

≡ *Epicoccum tritici* Oerst., Sygd. Plant: 110, 113, 1863, nom. inval., Art. 36.1(a).

Notes: This is a new variety name validly published on the label of Karsten, Fungi Fenn. Exs. 489 (fig. 36) by indirect reference to Ørsted's (1863: 110 & 113) figures.

489. *Epicoccum scabrum* Cda
Icon. T. 11. F. 91.
Var. *Tritici*.
Syn. *Epicoccum Tritici* Ørsted.
Mustiala, på rågax, Aug. 1866.

Fig. 36 (FH 00785485)

Puccinia graminis f. *calthae* P. Karst. (as '*gracilis*'), Fungi Fenn. Exs., Cent. 5: no. 495, 1866.

Notes: This is a new form name validly published on the label of Karsten, Fungi Fenn. Exs. 495 (fig. 37). While Karsten cites the species name as '*Puccinia gracilis*', the citation he gives leads to Corda's (1840: 11) treatment of *Puccinia graminis* Pers.

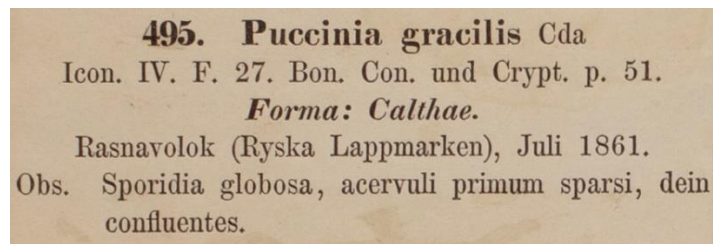


Fig. 37 (FH 00785491)

Cent. 6

Agaricus sororiatius P. Karst., Fungi Fenn. Exs., Cent. 6: no. 507, 1866 [Not. Sällsk. Fauna Fl. Fenn. Förh. 9: 339, 1868].

= *Pluteus leoninus* (Schaeff.) P. Kumm., Führer Pilzk.: 98, 1871.

[Full synonymy, see <https://www.mycobank.org/MB/150582>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 507 (fig. 38).

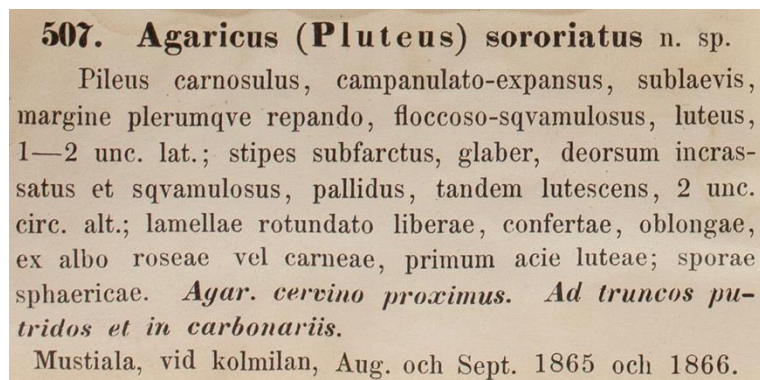


Fig. 38 (FH 00785503)

Hydnum gracilipes P. Karst., Fungi Fenn. Exs., Cent. 6: no. 521, 1866 [Not. Sällsk. Fauna Fl. Fenn. Förh. 9: 362, 1868].

≡ *Hydnellum gracilipes* (P. Karst.) P. Karst., Meddeland. Soc. Fauna Fl. Fenn. 5: 41, 1879.

[Full synonymy, see <https://www.mycobank.org/MB/100891>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 521 (fig. 39). Kõljalg & Renvall (2000) confirmed the placement of this species in the genus *Hydnellum* and designated a lectotype (H 6006461).

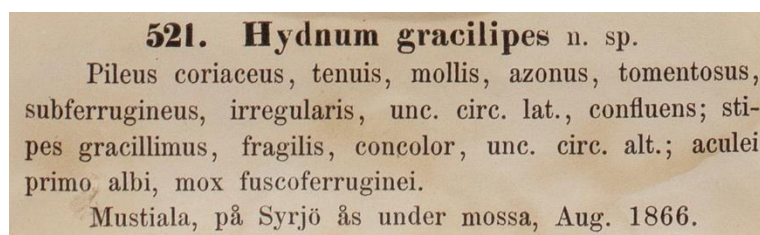


Fig. 39 (FH 00785517)

Peziza perforata P. Karst., Fungi Fenn. Exs., Cent. 6: no. 529, 1866 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 112, 1869; Bidrag Kännedom Finlands Natur Folk 19: 56, 1871], nom. illeg., Art. 53.1, homonym, non *Peziza perforata* Saut. 1841.

≡ *Geopyxis perforata* Sacc., Syll. Fung. 8: 73, 1889.

= *Tarzettia catinus* (Holmsk.) Korf & J.K. Rogers, Phytologia 21 (4): 206, 1971.

[Full synonymy, see <https://www.mycobank.org/MB/324436>]

Notes: This is an illegitimate name introduced on the label of Karsten, Fungi Fenn. Exs. 529 (fig. 40). Saccardo (1889) introduced a replacement name for it. A lectotype (H 6033946) was designated in Huhtinen (1994) and identified as *Tarzettia catinus*.

529. *Peziza perforata* n. sp.

Stipitata; cupula hemisphaerica subcompressa, floccoso-granulata sordide albida fundo perforata; stipes crassus brevissimus, transverse perforatus; sporae plerumque ellipsoideae, guttulis 2 praeditae.

Mustiala, på sandjord, 5 Aug. 1866.

Fig. 40 (FH 00785525)

Peziza abundans P. Karst., Fungi Fenn. Exs., Cent. 6: no. 532, 1866 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 124, 1869; Bidrag Kännedom Finlands Natur Folk 19: 67, 1871].

≡ *Trichophaea abundans* (P. Karst.) Boud., Hist. Classif. Discomyc. Eur.: 61, 1907.

[Full synonymy, see <https://www.mycobank.org/MB/119754>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 532 (fig. 41).

532. *Peziza abundans* n. sp.

Cupula carnosa, concaviuscula vel plana, sessilis, pallida, demum fusca, pilis fusciscentibus, subtilibus obsita, basi albobrilliosa, 1—2''' lata; asci cylindracei; sporae elongato ellipsoideae, hyalinae, guttulis praeditae.

Mustiala, på kol och svedjel., Aug. 1866.

Fig. 41 (FH 00785528)

Peziza radians P. Karst., Fungi Fenn. Exs., Cent. 6: no. 533, 1866 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 200, 1869], nom. illeg., Art. 53.1, homonym, non *Peziza radians* Saut. 1841.

≡ *Lachnea radians* P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 251, 1870 [1871].

≡ *Lachnum radians* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 19: 177, 1871.

≡ *Trichopeziza karstenii* Sacc., Syll. Fung. 8: 417, 1889.

[Full synonymy, see <https://www.mycobank.org/MB/174733>]

Notes: This is an illegitimate name introduced on the label of Karsten, Fungi Fenn. Exs. 533 (fig. 42). Saccardo (1889) introduced a replacement name for it and Dennis (1963: 360) designated a lectotype (H 6039294).

533. *Peziza radians* n. sp.

Cupula convexula, tenuis, sessilis, fuscescens, sulfureo-strigosa, disco pallido, $\frac{3}{4}$ ''' circ. lata; asci cylindracei; sporae cylindraceae vel fusoideae.

Mustiala, på förmultnande aspblad, Okt. 1865.

Fig. 42 (FH 00785529)

Peziza impudicella P. Karst., Fungi Fenn. Exs., Cent. 6: no. 534, 1866 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 185, 1869].

≡ *Encoelia impudicella* (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 253, 1870 [1871], nom. inval., Art. 35.1.

≡ *Encoelia impudicella* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 19: 219, 1871.

≡ *Cenangium impudicellum* (P. Karst.) P. Karst., Acta Soc. Fauna Fl. Fenn. 2(6): 145, 1885.

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 534 (fig. 43).

534. *Peziza impudicella* n. sp.

Cupula globosa, dein explanata, grisea, flocculoso-furfuracea, disco lutescente pallido, 1''' circ. lat.; stipes brevis.

Mustiala på förvissnade grenar af gran, företrädesvis på den derstädes förekommande Cytisporan. Dec. 1865.

Fig. 43 (FH 00785530)

Peziza limosella P. Karst., Fungi Fenn. Exs., Cent. 6: no. 538, 1866 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 152, 1869].

≡ *Ombrophila violacea* var. *limosella* (P. Karst.) P. Karst. (as 'var. γ. *limosella*'), Bidrag Kännedom Finlands Natur Folk 19: 88, 1871.

≡ ***Ombrophila limosella*** (P. Karst.) Rehm, Ascomyceten Fasc. 11: no. 508, 1879.

[Full synonymy, see <https://www.mycobank.org/MB/210212>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 538 (fig. 44).

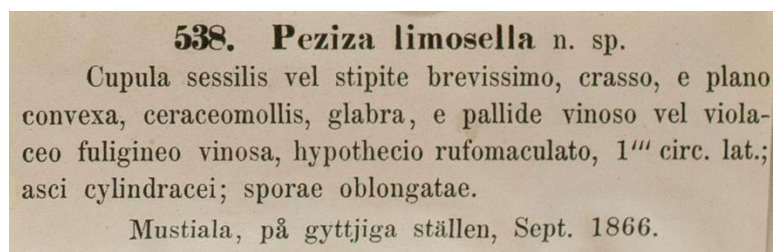


Fig. 44 (FH 00785534)

Peziza lutiseda P. Karst., Fungi Fenn. Exs., Cent. 6: no. 539, 1866 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 152, 1869].

[Full synonymy, see <https://www.mycobank.org/MB/512515>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 539 (fig. 45). Dennis (1956: 105) cited as the 'typus' of this species a specimen collected in 1867 (H 6003814), the year after the original publication, and this is thus not original material. This must be taken to be a neotypification, but it should be noted that original material does exist, should it be found that this material does not agree with Karsten's original concept.

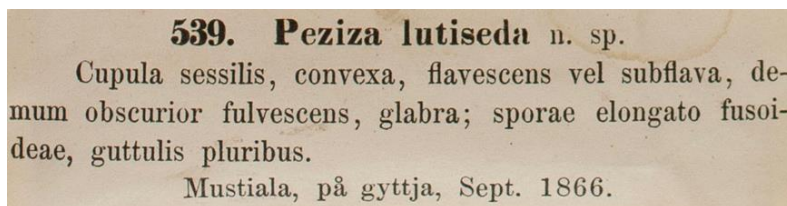


Fig. 45 (FH 00785535)

Peziza echinospora P. Karst. (as '*echinispora*'), Fungi Fenn. Exs., Cent. 6: no. 541, 1866 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 115, 1869; Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 226, 1870 [1871]; Bidrag Kännedom Finlands Natur Folk 19: 54, 1871].

[Full synonymy, see <https://www.mycobank.org/MB/221954>].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 541 (fig. 46). Both molecular and morphological characters support *P. echinospora* as well-separated species (Hansen *et al.* 2002). A copy of the exsiccatae preserved in H (H 6039047) was chosen there as lectotype of the species.

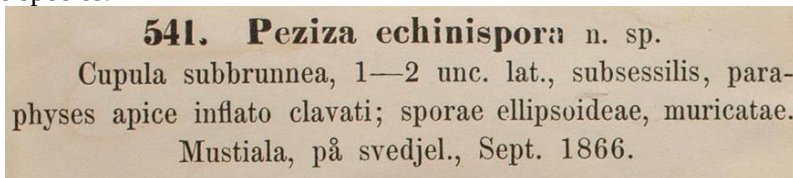


Fig. 46 (FH 00785537)

Peziza ovulispora P. Karst., Fungi Fenn. Exs., Cent. 6: no. 543, 1866 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 167, 1869].

≡ *Patellaria ovulispora* (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 251, 1870 [1871].

= ***Durella melanochlora*** (Sommerf.) Rehm, Hedwigia 21(8): 114, 1882.

[Full synonymy, see <https://www.mycobank.org/MB/237935>].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 543 (fig. 47).

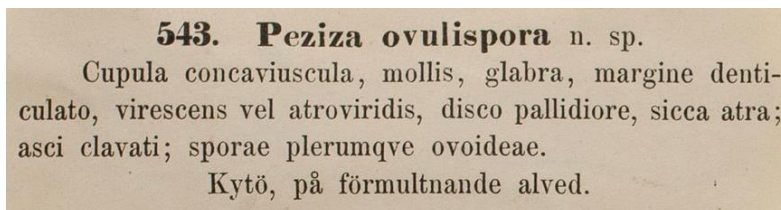


Fig. 47 (FH 00785539)

Peziza cortiseda P. Karst., Fungi Fenn. Exs., Cent. 6: no. 544, 1866 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 149, 1869].

≡ *Helotium uliginosum* subsp. *cortisedum* (P. Karst.) P. Karst. (as '*H. uliginosum* * *H. cortisedum*'), Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 236, 1870 [1871].

≡ *Helotium uliginosum* var. *cortisedum* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 19: 122, 1871.

≡ *Hymenoscyphus cortisedus* (P. Karst.) Dennis, Persoonia 3(1): 75, 1964 [1963].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 544 (fig. 48).

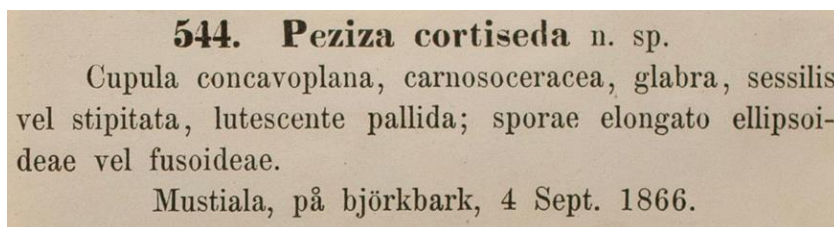


Fig. 48 (FH 00785540)

Peziza ciliifera P. Karst., Fungi Fenn. Exs., Cent. 6: no. 546, 1866 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 153, 1869].

≡ *Pezoloma ciliiferum* (P. Karst.) Korf (as '*ciliifera*'), Phytologia 21(4): 205, 1971, nom. inval., Art. 41.8.

≡ *Pezoloma ciliiferum* (P. Karst.) Korf ex J.K. Mitch. & Bensch, **comb. nov.**, MB 848924.

[Basionym: *Peziza ciliifera* P. Karst., Fungi Fenn. Exs., Cent. 6: no. 546, 1866.]

Syntypes: [Finland,] Mustiala, på fuktig mark [moist ground], Sept. [September], [Karsten, Fungi Fenn. Exs. 546] (e.g., H 6039308, UPS F-128814, FH 00785542).

[Full synonymy, see <https://www.mycobank.org/MB/848924>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 546 (fig. 49). The combination *Pezoloma ciliiferum* was proposed by Korf (1971: 205), who referred to *Monographia Pezizarum Fennicarum* (Karsten 1869: 153) as the place of valid publication of *Peziza ciliifera* when making the combination in *Pezoloma*. Because Korf did not cite a type or make a full and direct citation to one and Karsten (l.c.) clearly cites his earlier publication in *Fungi Fenniae Exsiccati*, none of the provisions of Art. 41.8 apply and this combination is invalidly published; we validate it here.

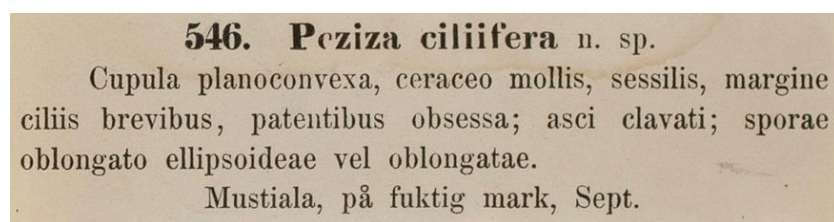


Fig. 49 (FH 00785542)

Peziza caudata P. Karst., Fungi Fenn. Exs., Cent. 6: no. 547, 1866 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 144, 1869].

≡ *Hymenoscyphus caudatus* (P. Karst.) Dennis, Persoonia 3(1): 76, 1964 [1963].

[Full synonymy, see <https://www.mycobank.org/MB/332330>].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 547 (fig. 50).

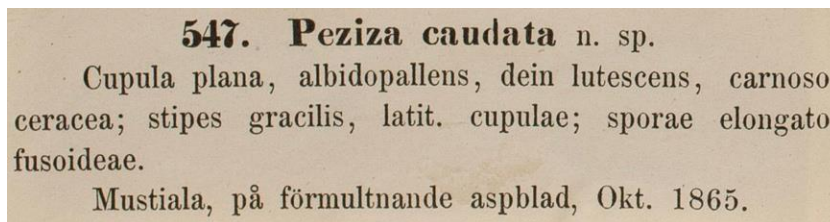


Fig. 50 (FH 00785543)

Peziza stemmata P. Karst., Fungi Fenn. Exs., Cent. 6: no. 548, 1866 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 154, 1869].

[Full synonymy, see <https://www.mycobank.org/MB/224996>].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 548 (fig. 51). Dixon (1974: 100) examined original material in H and FH and found this to be a species of *Mollisia*.

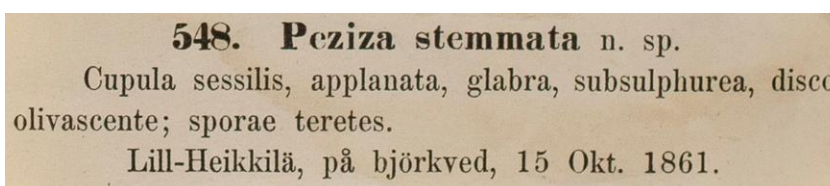


Fig. 51 (FH 00785544)

Peziza sauciella P. Karst., Fungi Fenn. Exs., Cent. 6: no. 549, 1866 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 185, 1869].

?= *Hyphodiscus hymeniophilus* (P. Karst.) Baral, Z. Mykol. 59(1): 7, 1993.

[Full synonymy, see <https://www.mycobank.org/MB/363707>].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 549 (fig. 52). A lectotype (H 6052782) was designated by Carpenter (1981: 252, as 'holotype').

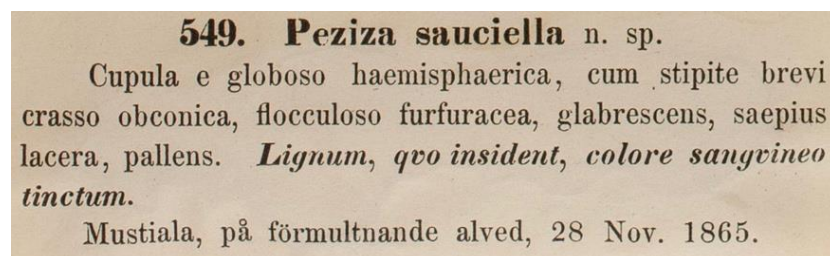


Fig. 52 (FH 00785545)

Ascobolus myriadeus P. Karst., Fungi Fenn. Exs., Cent. 6: no. 552, 1866.

[Full synonymy, see <https://www.mycobank.org/MB/654383>].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 552 (fig. 53). Karsten's original concept of the species encompassed apothecia with asci containing anywhere from 8 to 64 spores at maturity, but he soon (1871a: 81 & 1871b: 208) decided to restrict his concept to those with only 24–32 spores per ascus. According to Doveri (2007: 65 & 67) this species in the sense of Saccardo is a synonym of *Thelebolus caninus* and in the sense of Boudier is a synonym of *Thelebolus crustaceus*, but according to de Hoog et al. (2005: 66) the polysporous portions of Karsten's original concept are synonyms of a broadly circumscribed *Thelebolus stercoreus*. These latter authors apparently studied the copy of Fungi Fenn. Exs. no. 552 in K(M), listing it as an isotype and lectotype of different portions of the original concept of *Ascobolus myriadeus*. In any case, they did not include a statement indicating designation in that publication and so did not achieve a lectotypification (Art. 7.11).

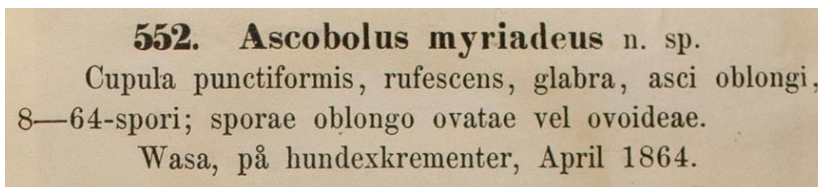


Fig. 53 (FH 00785548)

Sphaeria linnaeae P. Karst. [as '*linneae*'], Fungi Fenn. Exs., Cent. 6: no. 562, 1866, nom. illeg., Art. 53.1, homonym, non *Sphaeria linnaeae* Ehrenb. 1818.

Notes: This is an illegitimate name published on the label of Karsten, Fungi Fenn. Exs. 562 (fig. 54). Later, Karsten (1873a: 188) listed the specimen under the name *Venturia dickieii*, though he did not mention the name he assigned it on the label.

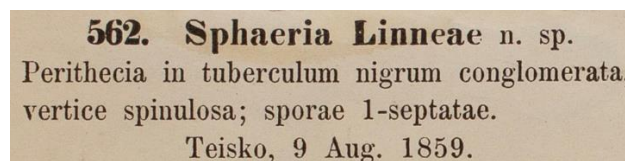


Fig. 54 (FH 00785558)

Sphaeria obducens var. *minor* P. Karst., Fungi Fenn. Exs., Cent. 6: no. 564, 1866, nom. inval., Art. 38.1(a).

≡ *Sphaeria obducens* b. *minor* Fr., Syst. Mycol. 2(2): 456, 1823, nom. inval., Art. 38.1(a).

Notes: This is an invalidly published variety name, a nomen nudum (fig. 55). It is a reference to Fries's above infraspecific taxon, but this was likewise a nomen nudum.

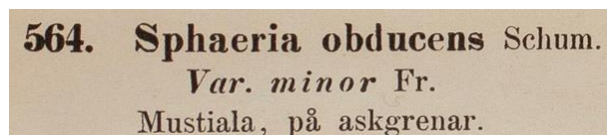


Fig. 55 (FH 00785560)

Sphaerella lycopodina P. Karst., Fungi Fenn. Exs., Cent. 6: no. 569, 1866 [Bidrag Kännedom Finlands Natur Folk 23: 184, 1873].

≡ *Leiosphaerella lycopodina* (P. Karst.) Jaklitsch & Voglmayr, Fungal Diversity 52(1): 82, 2012, nom. inval., Art. 41.8 (Shenzhen).

≡ *Leiosphaerella lycopodina* (P. Karst.) Jaklitsch & Voglmayr, **comb. nov.** MB 848925

[basonym: *Sphaerella lycopodina*, P. Karst., Fungi Fenn. Exs., Cent. 6: no. 569, 1866].

[Full synonymy, see <https://www.mycobank.org/MB/848925>].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 569 (fig. 56). Aptroot (2006: 124) mentioned a lectotype (in H) without indicating where it was designated. Jaklitsch & Voglmayr (2012) transferred the species in the genus *Leiosphaerella*, however, did not cite a type or make a full and direct citation to one and Karsten (1873) clearly cites his earlier publication in *Fungi Fenniae Exsiccati*. Therefore, none of the provisions of Art. 41.8 apply and the combination is invalidly published. It is validated herein.

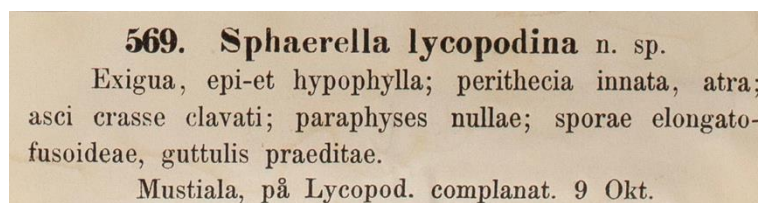


Fig. 56 (FH 00785565)

Polysaccum boreale P. Karst., Fungi Fenn. Exs., Cent. 6: no. 570, 1866 [Enum. Fung. Lapponia: 203, 1866].

= *Pisolithus arhizus* (Scop.) Rauschert, Z. Pilzk. 25(2): 50, 1959.

[Full synonymy, see <https://www.mycodb.fr/fiche.php?genre=Pisolithus&espece=arhizus>; <https://www.mycobank.org/MB/276857>].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 570 (fig. 57).

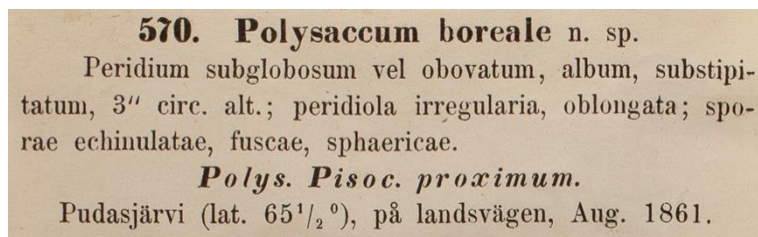


Fig. 57 (FH 00785566)

Puccinia lysimachiae P. Karst., Fungi Fenn. Exs., Cent. 6: no. 590, 1866 [Bidrag Kännedom Finlands Natur Folk 31: 27, 1879; Bidrag Kännedom Finlands Natur Folk 39: 49, 1884].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 590 (fig. 58). In the protologue, Karsten (l.c.) also cited '*Uredo lysimachiae*' which is an indirect reference to the combination *Uredo lysimachiae* (Schltdl.) Spreng. based on *Caeoma lysimachiae* which was given as synonym in Karsten (1879). However, he added a brief separate description for *Puccinia lysimachiae*, suggesting that he intended to introduce a new species for the teleomorphic state (Art. F.8.1).

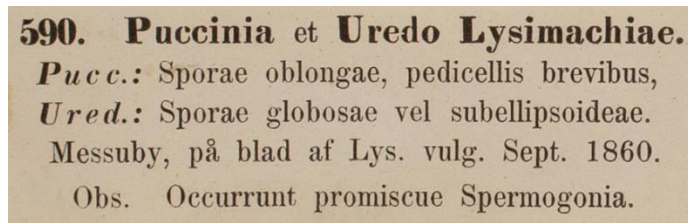


Fig. 58 (FH 00785586)

Puccinia angelicae P. Karst., Fungi Fenn. Exs., Cent. 6: no. 591, 1866, nom. inval., Art. 38.1(a).

Notes: This is an invalidly published name. Since Karsten did not list even an author on the label of Fungi Fenn. Exs. 591 (fig. 59), it is not clear whether this was intended as a combination or as a new species. Karsten (1879: 36) seemed to clarify that he considered it to be *Puccinia angelicae* (Schumach.) Fuckel, published nine years earlier (Fuckel 1870: 52), but four years after the issuance of the sixth century of Fungi Fenniae Exsiccati. *Puccinia karstenii* Lindr. (1901), originally published as '*Karsteni*' is based on *Puccinia angelicae* sensu Karsten, Bidrag Kännedom Finlands Natur Folk 31: 36, 1879, non (Schumach.) Fuckel.

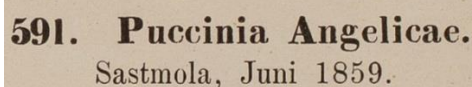


Fig. 59 (FH 00785587)

Tilletia serpens P. Karst., Fungi Fenn. Exs., Cent. 6: no. 599, 1866.

≡ *Ustilago serpens* (P. Karst.) B. Lindb., Symb. Bot. Upsal. 16(2): 133, 1959.

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 599 (fig. 60). The species was lectotypified (TUB HUV 10432) and revisited by Kruse *et al.* (2018).

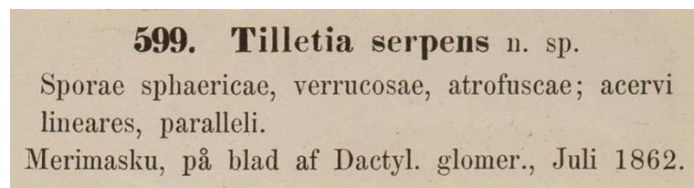


Fig. 60 (FH 00785595)

Cent. 7

Lentinus dentatus (Fr.) P. Karst., Fungi Fenn. Exs., Cent. 7: no. 611, 1867.

≡ *Agaricus cochleatus* var. *dentatus* Fr., Syst. Orb. Veg.: 78, 1825.

≡ *Agaricus dentatus* Pers., in Hoffm., Abbild. Schwämme 3: [ii], 1793, nom. illeg., Art. 53.1, homonym, non *Agaricus dentatus* L. 1753.

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 611 (fig. 61). The combination was also proposed by Quélet (1886a: 151; 1886b: 449). Probably a synonym of *Lentinellus micheneri* (Berk. & M.A. Curtis) Pegler (1983).

611. *Lentinus dentatus* (Pers.)

Wasa, Aug. 1864.

Fig. 61 (FH 00785606)

Polyporus euporus P. Karst., Fungi Fenn. Exs., Cent. 7: no. 618, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 9: 360, 1868].

= *Junghuhnia nitida* (Pers.) Ryvarden, Persoonia 7(1): 18, 1972.

[Full synonymy, see <https://www.mycobank.org/MB/315983>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 618 (fig. 62). Lowe (1956) designated the copy preserved in UPS as lectotype.

618. *Polyporus euporus* n. sp.

Effusus tenuis submicans, ambitu byssaceo-contextu albo; pori minuti subangulati tandem saepius laceri curti testaceo-lutei.

Mustiala, på sälg.

Fig. 62 (FH 00785613)

Polyporus hians P. Karst., Fungi Fenn. Exs., Cent. 7: no. 619, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 9: 360, 1868].

= *Anomoporia bombycina* (Fr.) Pouzar, Česká Mykol. 20(3): 172, 1966.

[Full synonymy, see <https://www.mycobank.org/MB/326232>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 619 (fig. 63). The specimen preserved in UPS was designated as lectotype in Lowe (1956).

619. *Polyporus hians* n. sp.

Late effusus adnatus mollissimus crassiusculus lutescens ambitu byssino; pori subrotundi vel angulati varii laceri mediocres vel majusculi intus subcaesii.

Kytö, på en ruttan tallstam, Okt. 1866.

Fig. 63 (FH 00785614)

Peziza virella P. Karst., Fungi Fenn. Exs., Cent. 7: no. 627, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 188, 1869].

≡ *Amicodisca virella* (P. Karst.) Huhtinen, Karstenia 34: 5, 1994.

[Full synonymy, see <https://www.mycobank.org/MB/362258>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 627 (fig. 64). Huhtinen (1994) designated the copy of the exsiccatae preserved in H as lectotype (H 6003237) and transferred the name into the genus *Amicodisca*.

627. *Peziza virella* n. sp.

Cupula sessilis concaviuscula virescente furfuraceo-villosa, disco subolivaceo-pallido, exigua; sporae fusoidelongatae, 13—19 mikr. long., 4—5 cr.

Mustiala, på alved, Juni 1867.

Fig. 64 (FH 00785622)

Peziza deformis P. Karst., Fungi Fenn. Exs., Cent. 7: no. 628, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 119, 1869; Bidrag Kännedom Finlands Natur Folk 19: 47, 1871].

≡ *Byssonectria deformis* (P. Karst.) U. Lindem. & M. Vega, Z. Mykol. 81 (2): 383, 2015, nom. inval., Art. 41.8.

≡ ***Byssonectria deformis*** (P. Karst.) U. Lindem. & M. Vega, **comb. nov.** MB 849034.

[Basionym: *Peziza deformis* P. Karst., Fungi Fenn. Exs., Cent. 7: no. 628, 1867.]

Lectotype: [Finland,] Mustiala, ad terram argillaceam [clay soil], 4 Juli 1866, P.A. Karsten 3013 (H 6038822, designated by Khare & Tewari 1978: 2115).

[Full synonymy, see <https://www.mycobank.org/MB/849034>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 628 (fig. 65). The combination *Byssonectria deformis* was proposed by Lindemann & Vega in Lindemann et al. (2015: 383), who referred to *Monographia Pezizarum Fennicarum* (Karsten 1869: 119) as the place of valid publication of *Peziza deformis* when making the combination in *Byssonectria*. Because Lindemann and Vega did not cite a type or make a full and direct citation to one and Karsten (l.c.) clearly cites his earlier publication in *Fungi Fenniae Exsiccati*, none of the provisions of Art. 41.8 apply and this combination is invalidly published; it is validated here.

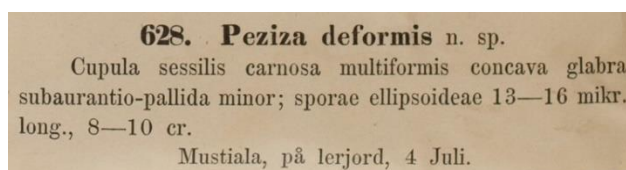


Fig. 65 (FH 00785623)

Ditiola conformis P. Karst., Fungi Fenn. Exs., Cent. 7: no. 629, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 223, [1871] 1870].

= ***Femsjonia peziziformis*** (Lév.) P. Karst. (as '*pezizaeformis*'), Bidrag Kännedom Finlands Natur Folk 25: 352, 1876.

[Full synonymy, see <https://www.mycobank.org/MB/147491>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 629 (fig. 66).

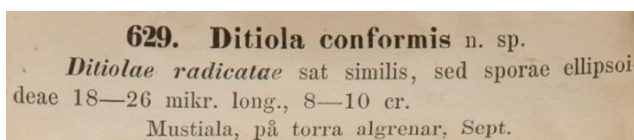


Fig. 66 (FH 00785624)

Peziza nobilis P. Karst., Fungi Fenn. Exs., Cent. 7: no. 635, 1867.

= ***Pseudombrophila merdaria*** (Fr.) Brumm., Libri Bot. 14: 45, 1995.

[Full synonymy, see <https://www.mycobank.org/MB/413971>; <https://www.mycodb.fr/fiche.php?genre=Pseudombrophila&espece=merdaria>].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 635 (fig. 67). It was lectotypified (H 6057295) and reduced to synonymy with *Pseudombrophila merdaria* by Brummelen (1995).

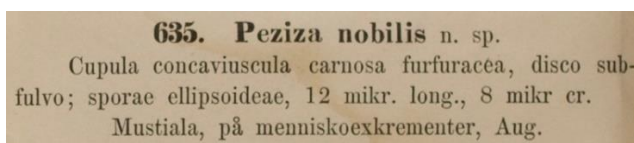


Fig. 67 (FH 00785630)

Peltidium oocardii var. *lignarium* P. Karst. (as '*lignaria*'), Fungi Fenn. Exs., Cent. 7: no. 636, 1867.

≡ *Peziza oocardii* var. *lignaria* (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 128, 1869.

≡ *Peltidium oocardii* f. *lignarium* (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 232, 1870 [1871].

≡ *Humaria oocardii* var. *lignaria* (P. Karst.) Sacc. (as '*ligniaria*'), Syll. Fung. 8: 144, 1889.

= *Adelphella babingtonii* (Berk. & Broome) Pfister, Matočec & I. Kušan, Mycol. Montenegr. 11: 14, 2009 [2008].

[Full synonymy, see <https://www.mycobank.org/MB/538132>].

Notes: This is a new variety name validly published on the label of Karsten, Fungi Fenn. Exs. 636 (fig. 68).

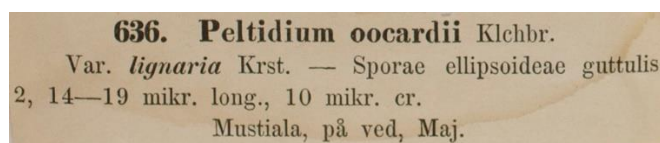


Fig. 68 (FH 00785631)

Peziza discreta P. Karst., Fungi Fenn. Exs., Cent. 7: no. 637, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 146, 1869].

≡ *Calycina discreta* (P. Karst.) Kuntze, Revis. Gen. Pl. 3 (3): 448, 1898.

[Full synonymy, see <https://www.mycobank.org/MB/246531>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 637 (fig. 69). A lectotype (H 6039291) was designated by Carpenter (1981: 209).

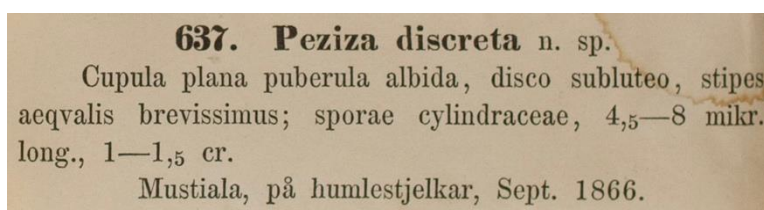


Fig. 69 (FH 00785632)

Peziza conscripta P. Karst., Fungi Fenn. Exs., Cent. 7: no. 638, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 134, 1869].

≡ *Helotium conscriptum* (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 236, 1870 [1871].

≡ *Helotium sublenticulare* subsp. *conscriptum* (P. Karst.) P. Karst. (as ‘* conscriptum’), Bidrag Kännedom Finlands Natur Folk 19: 119, 1871.

≡ *Hymenoscyphus conscriptus* (P. Karst.) Korf, in Kobayasi et al., Rep. (Annual) Inst. Ferment. Res. Osaka. 3: 55, 1967.

[Full synonymy, see <https://www.mycobank.org/MB/332333>; <https://www.mycodb.fr/fiche.php?genre=Hymenoscyphus&espece=conscriptus>].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 638 (fig. 70). Dennis (1956: 84) discusses a ‘typus’ of this species, but there are two specimens in Karsten’s herbarium (H 6039403 and H 6039392) that are broadly consistent with the information Dennis gives. There may be additional text on the packets that clarifies the situation.

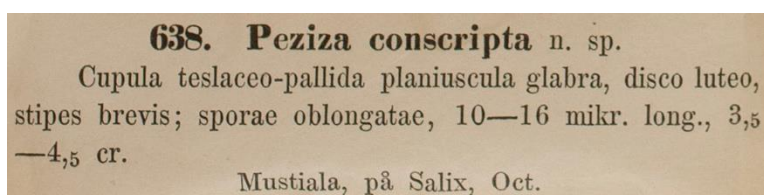


Fig. 70 (FH 00785633)

Peziza complicata P. Karst., Fungi Fenn. Exs., Cent. 7: no. 642, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 166, 1869].

≡ *Mollisia complicata* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 19: 192, 1871.

≡ *Cyathicula complicata* (P. Karst.) Dennis, Kew Bull. 30(2): 348, 1975.

[Full synonymy, see <https://www.mycobank.org/MB/312398>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 642 (fig. 71). Carpenter (1981: 48) designated a lectotype (H 6039312).

642. *Peziza complicata* n. sp.

Cupula glabra umbrino-livida concava, sicca nigricante fusca, sessilis; sporae elongatae, 6—12 mikr. long., 2—2,5 cr.

Mustiala, Nov. 1865.

Fig. 71 (FH 00785637)

Peziza hydrophila P. Karst., Fungi Fenn. Exs., Cent. 7: no. 643, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 163, 1869].

≡ *Niptera palustris* subsp. *hydrophila* (P. Karst.) P. Karst. (as ‘* *hydrophila*’), Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 247, 1870 [1871].

≡ *Mollisia palustris* subsp. *hydrophila* (P. Karst.) P. Karst. (as ‘* *hydrophila*’), Bidrag Kännedom Finlands Natur Folk 19: 196, 1871.

≡ *Mollisia hydrophila* (P. Karst.) Sacc., Syll. Fung. 8: 345, 1889.

[Full synonymy, see <https://www.mycobank.org/MB/145883>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 643 (fig. 72).

643. *Peziza hydrophila* n. sp.

Cupula sessilis planiuscula albida ceraceo-mollis; sporae elongatae, 8—13 mikr. long., 1,5—2,5 cr.

Mustiala, på Phragmites.

Fig. 72 (FH 00785638)

Peziza excelsior P. Karst., Fungi Fenn. Exs., Cent. 7: no. 644, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 165, 1869].

≡ *Niptera palustris* subsp. *excelsior* (P. Karst.) P. Karst. (as ‘***** *excelsior*’), Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 247, 1870 [1871].

≡ *Belonopsis excelsior* (P. Karst.) Rehm, Rabenh. Krypt.-Fl. Ed. 2, Band 1 Abth. 3(Lief. 36): 572, 1891 [1896].

[Full synonymy, see <https://www.mycobank.org/MB/142008>].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 644 (fig. 73). A lectotype (H 6039317) was designated by Dennis (1950: 183).

644. *Peziza excelsior* n. sp.

Cupula sessilis ceraceo-mollis glabra livido-albida convexa; sporae filiformes, 42—50 mikr. long., 3—4 mikr. cr.

Mustiala, på Phragmites comm.

Fig. 73 (FH 00785639)

Peziza caricinella P. Karst., Fungi Fenn. Exs., Cent. 7: no. 645, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 166, 1869].

≡ *Coronellaria caricinella* (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 248, 1870 [1871] [Bidrag Kännedom Finlands Natur Folk 19: 185, 1871].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 645 (fig. 74).

645. *Peziza caricinella* n. sp.

Cupula minima obconica pallida sessilis margine albociliato; sporae oblongatae, 13—16 mikr. long., 3,5—4 mikr.

Pähkijärvi i Tammela, på blad af Carex, Sept.

Fig. 74 (FH 00785640)

Peziza microspis P. Karst., Fungi Fenn. Exs., Cent. 7: no. 647, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 178, 1869].

≡ *Calycellina microspis* (P. Karst.) Dennis, Trans. Bot. Soc. Edinburgh 45(3): 213, 1989 [1988], nom. inval., Art. 41.8.

≡ *Calycellina microspis* (P. Karst.) Dennis, Kew Bull. 45(2): 293, 1990, nom. inval., Art. 41.8.

≡ ***Calycellina microspis*** (P. Karst.) Dennis ex J.K. Mitch. & Bensch, **comb. nov.** MB 848926.

[Basionym: *Peziza microspis* P. Karst., Fungi Fenn. Exs., Cent. 7: no. 647, 1867.]

Syntypes: [Finland,] Runsala, på blad af Phragm. [leaves of *Phragmites*], Aug. [August], [P. A. Karsten, Fungi Fenn. Exs. 647] (e.g., H 6007765, UPS s.n., FH 00785642, S F7848, S F7851).

[Full synonymy, see <https://www.mycobank.org/MB/848926>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 647 (fig. 75). The combination *Calycellina microspis* was proposed twice by Dennis (1989: 213 & 1990: 293), who referred to *Monographia Pezizarum Fennicarum* (Karsten 1869: 178) as the place of valid publication of *Peziza microspis* when making the combination in *Calycellina*. Because Dennis did not cite a type or make a full and direct citation to one and Karsten (l.c.) clearly cites his earlier publication in *Fungi Fenniae Exsiccati*, none of the provisions of Art. 41.8 apply and this combination is invalidly published in both places; it is validated here. Dennis (1956: 181) gave as 'typus' a specimen in Karsten's herbarium at H collected on 1 September 1868 in Runsala on rotting leaves of *Phragmites*. As this was collected the year after the publication of *Peziza microspis*, this has to be considered a neotypification. According to Baral et al. (2020: 1678), however, this material cannot currently be located in H, and may be lost. In any case, original material is still in existence (see above) and a lectotype can be chosen from among the extant material.

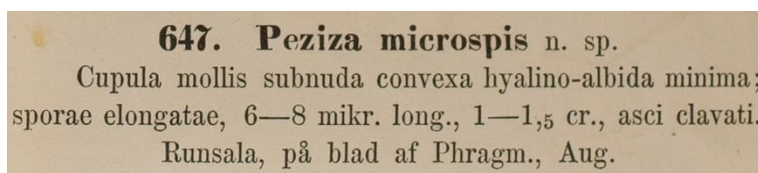


Fig. 75 (FH 00785642)

Peziza scrupulosa P. Karst., Fungi Fenn. Exs., Cent. 7: no. 648, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 178, 1869].

≡ ***Olla scrupulosa*** (P. Karst.) Svrček, Česká Mykol. 40(4): 216, 1986.

[Full synonymy, see <https://www.mycobank.org/MB/131040>].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 648 (fig. 76).

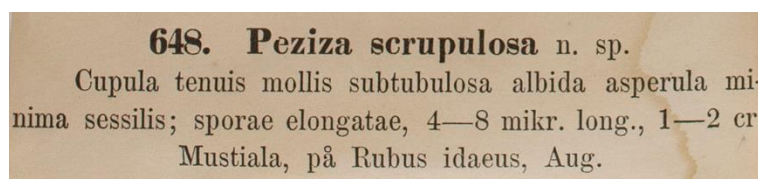


Fig. 76 (FH 00785643)

Peziza granuloseella P. Karst., Fungi Fenn. Exs., Cent. 7: no. 649, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 180, 1869].

≡ ***Cistella granuloseella*** (P. Karst.) Nannf., Nova Acta Regiae Soc. Sci. Upsal. Ser. 4, 8(2): 270, 1932.

[Full synonymy, see <https://www.mycobank.org/MB/266483>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 649 (fig. 77).

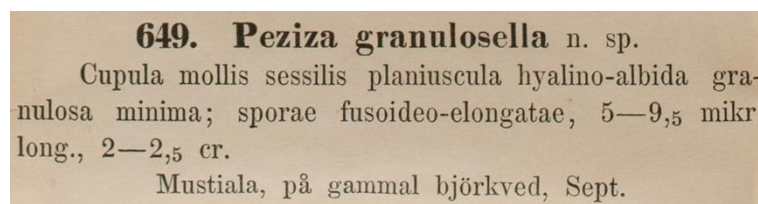


Fig. 77 (FH 00785644)

Peziza tenebrosa P. Karst., Fungi Fenn. Exs., Cent. 7: no. 650, 1867.

≡ *Peziza rosae* subsp. *tenebrosa* (P. Karst.) P. Karst. (as ‘* *Peziza tenebrosa*’), Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 177, 1869.

≡ *Trochila rosae* f. *tenebrosa* (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 248, 1870 [1871], nom. inval., Art. 35.2 & 41.1.

≡ *Mollisia rosae* var. *tenebrosa* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 19: 209, 1871, nom. inval., Art. 35.2.

[Full synonymy, see <https://www.mycobank.org/MB/569703>].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 650 (fig. 78).

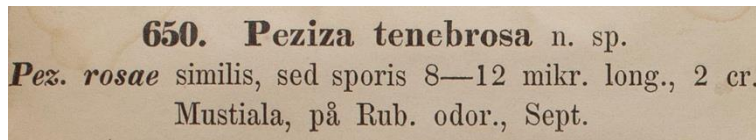


Fig. 78 (FH 00785645)

Peziza leucella P. Karst., Fungi Fenn. Exs., Cent. 7: no. 651, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 179, 1869].

≡ *Calycellina leucella* (P. Karst.) Dennis, Beitr. Kryptogamenfl. Schweiz 15 (1): 29, 1977, nom. inval. Art. 41.8.

≡ *Calycellina leucella* (P. Karst.) Dennis ex J.K. Mitch. & Bensch, **comb. nov.** MB 848927.

[Basionym: *Peziza leucella* P. Karst., Fungi Fenn. Exs., Cent. 7: no. 651, 1867.]

Lectotype: [Finland,] Mustiala, på al- och björkblad [leaves of *Alnus* and *Betula*], Sept. [September], [Karsten, Fungi Fenn. Exs. 651] (H 6039287, designated by Raschle 1979: 671).

[Full synonymy, see <https://www.mycobank.org/MB/848927>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 651 (fig. 79). The combination *Calycellina leucella* was proposed by Dennis in Müller (1977: 29), who referred to *Monographia Pezizarum Fennicarum* (Karsten 1869: 179) as the place of valid publication of *Peziza leucella* when making the combination in *Calycellina*. Because Dennis did not cite a type or make a full and direct citation to one and Karsten (l.c.) clearly cites his earlier publication in *Fungi Fenniae Exsiccati*, none of the provisions of Art. 41.8 apply and this combination is invalidly published; it is validated here.

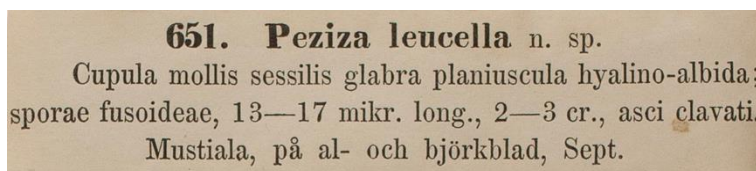


Fig. 79 (FH 00785646)

Peziza eurotioides P. Karst., Fungi Fenn. Exs., Cent. 7: no. 652, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 190, 1869].

≡ *Helotium eurotioides* (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 241, 1870 [1871] [Bidrag Kännedom Finlands Natur Folk 19: 146, 1871].

≡ *Unguiculella eurotioides* (P. Karst.) Nannf., Trans. Brit. Mycol. Soc. 20 (3–4): 194, 1936.

[Full synonymy, see <https://www.mycobank.org/MB/252057>; <https://www.mycodb.fr/fiche.php?genre=Unguiculella&espece=eurotioides>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 652 (fig. 80).

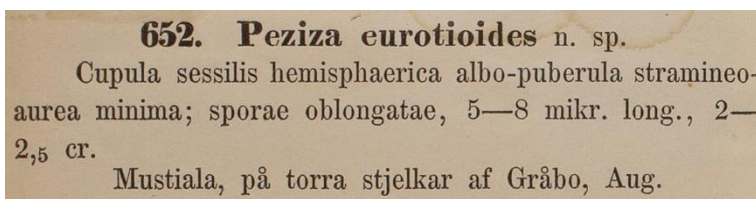


Fig. 80 (FH 00785647)

Peziza crispula P. Karst., Fungi Fenn. Exs., Cent. 7: no. 653, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 181, 1869].

≡ *Helotium crispulum* (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 241, 1870 [1871] [Bidrag Kännedom Finlands Natur Folk 19: 161, 1871].

≡ *Urceolella crispula* (P. Karst.) Boud., Hist. Classif. Discomyc. Eur.: 130, 1907.

[Full synonymy, see <https://www.mycobank.org/MB/120257>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 653 (fig. 81). It was lectotypified (H 6051484) in Raschle (1977: 206).

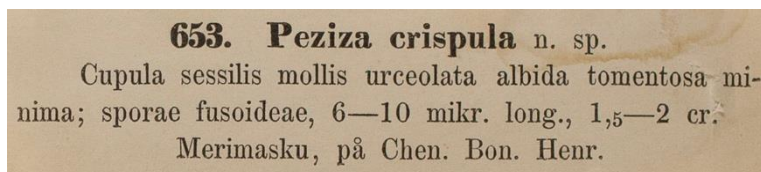


Fig. 81 (FH 00785648)

Peziza xylita P. Karst., Fungi Fenn. Exs., Cent. 7: no. 654, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 190, 1869].

≡ *Cistella xylita* (P. Karst.) Nannf., Nova Acta Regiae Soc. Sci. Upsal. Ser. 4, 8 (2): 271, 1932.

[Full synonymy, see <https://www.mycobank.org/MB/282206>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 654 (fig. 82).

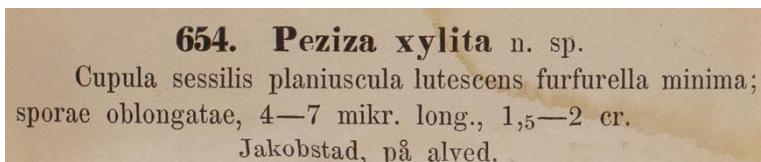


Fig. 82 (FH 00785649)

Ascobolus polysporus P. Karst., Fungi Fenn. Exs., Cent. 7: no. 655, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 208, 1871]; non *Ascobolus polysporus* Auersw. 1868.

≡ *Pezizula polyspora* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 19: 82, 1871.

≡ *Thelebolus polysporus* (P. Karst.) Otani & Kanzawa, Trans. Mycol. Soc. Japan 11 (2): 45 (1970).

[Full synonymy, see <https://www.mycobank.org/MB/324535>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 655 (fig. 83).

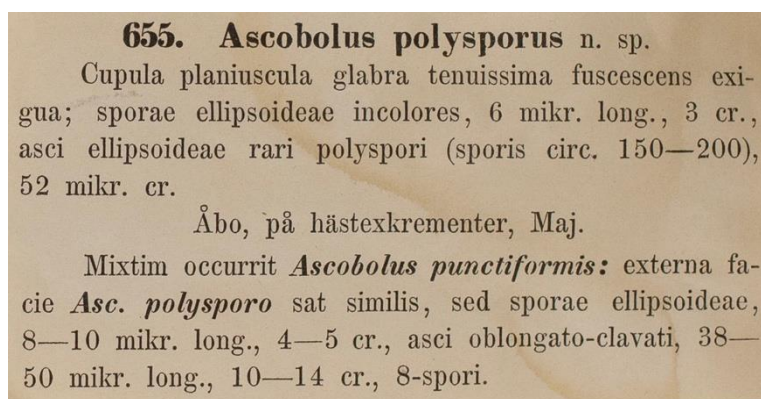


Fig. 83 (FH 00785650)

Ascobolus punctiformis P. Karst., Fungi Fenn. Exs., Cent. 7: no. 655, 1867.

≡ *Ascobolus polysporus* subsp. *punctiformis* (P. Karst.) P. Karst. (as ‘* *Asc. punctiformis*’), Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 209, 1871.

≡ *Pezizula polyspora* subsp. *punctiformis* (P. Karst.) P. Karst. (as ‘* *punctiformis*’), Bidrag Kännedom Finlands Natur Folk 19: 82, 1871.

= *Thelebolus microsporus* (Berk. & Broome) Kimbr., in Kobayasi et al., Rep. (Annual) Inst. Ferment. Res. Osaka. 3: 50, 1967.

[Full synonymy, see <https://www.mycobank.org/MB/340022>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 655 (fig. 83).

Ditangium P. Karst., Fungi Fenn. Exs., Cent. 7: no. 656, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 213, 1870 [1871].

[Full synonymy, see <https://www.mycobank.org/MB/17519>]

Notes: This is a new genus name validly published on the label of Karsten, Fungi Fenn. Exs. 656 (fig. 84). See Malysheva et al. (2019, <https://link.springer.com/article/10.1007/s11557-019-01485-3>).

Ditangium insigne P. Karst., Fungi Fenn. Exs., Cent. 7: no. 656, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 213, 1870 [1871].

= ***Ditangium cerasi*** (Schumach.) Costantin & L.M. Dufour, Nouv. Fl. Champ. Ed. 1: 207, 1891.

[Full synonymy, see <https://www.mycobank.org/MB/492544>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 656 (fig. 84). Malysheva et al. (2019: 759) lectotypified (H 6060993) the species and synonymized it with *Ditangium cerasi*.

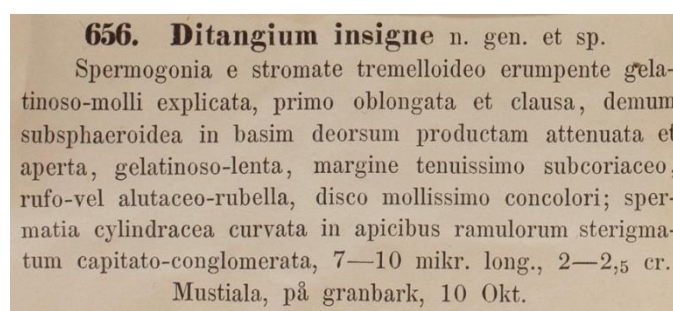


Fig. 84 (FH 00785651)

Ascobolus hirtellus P. Karst., Fungi Fenn. Exs., Cent. 7: no. 657, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 210, 1871].

[Full synonymy, see <https://www.mycobank.org/MB/487364>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 657 (fig. 85). According to Brummelen (1967) this species may be one of the many forms of *Lasiobolus pilosus*; Bezerra & Kimbrough (1975) treated it as a *nomen dubium*.

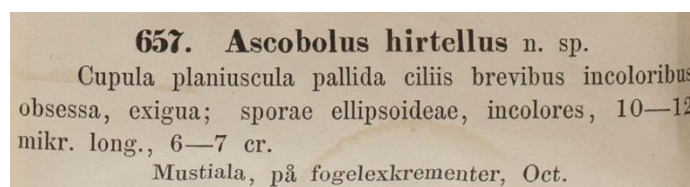


Fig. 85 (FH 00785652)

Ascobolus versicolor P. Karst., Fungi Fenn. Exs., Cent. 7: no. 659, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 203, 1871; Bidrag Kännedom Finlands Natur Folk 19: 79, 1871].

≡ ***Saccobolus versicolor*** (P. Karst.) P. Karst., Acta Soc. Fauna Fl. Fenn. 2 (6): 123, 1885.

[Full synonymy, see <https://www.mycobank.org/MB/238189>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 659 (fig. 86). See <https://ascomycete.org/de/2000-Pezizales/Art/Saccobolus-versicolor?mapid=521>.

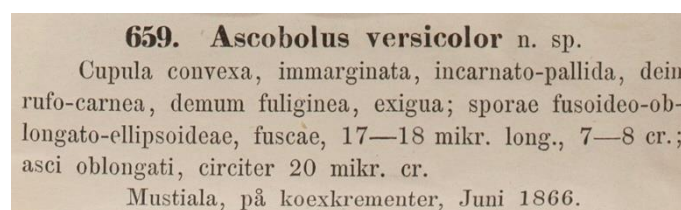


Fig. 86 (FH 00785654)

Patellaria pitya P. Karst. (as '*pithya*'), Fungi Fenn. Exs., Cent. 7: no. 661, 1867.

≡ ***Tympanis pitya*** (P. Karst.) P. Karst. (as '*pithya*'), Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 218 & 252, 1870 [1871] [Bidrag Kännedom Finlands Natur Folk 19: 228, 1871].

[Full synonymy, see <https://www.mycobank.org/MB/169656>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 661 (fig. 87).

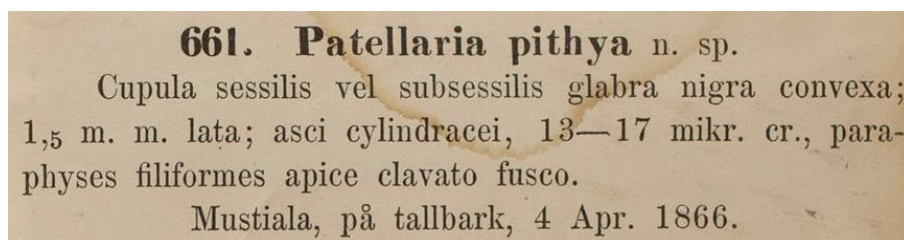


Fig. 87 (FH 00785655)

Peziza acutipila P. Karst., Fungi Fenn. Exs., Cent. 7: no. 662, 1867 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 195, 1869].

≡ ***Albotricha acutipila*** (P. Karst.) Raitv., Scripta Mycol. 1: 40, 1970.

[Full synonymy, see <https://www.mycobank.org/MB/308446>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 662 (fig. 88).

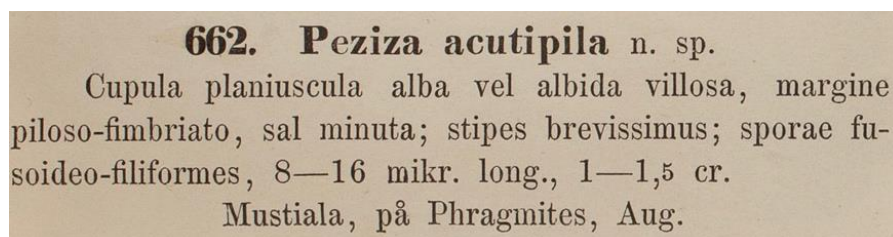


Fig. 88 (FH 00785656)

Nectria dacrymycella (Nyl.) P. Karst., Fungi Fenn. Exs., Cent. 7: no. 667, 1867 [Bidrag Kännedom Finlands Natur Folk 23: 216, 1873].

≡ *Sphaeria dacrymycella* Nyl., Flora 46(21): 322, 1863.

≡ ***Nectriella dacrymycella*** (Nyl.) Rehm, Ascomyceten Fasc. 5: no. 232, 1874.

[Full synonymy, see <https://www.mycobank.org/MB/120293>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 667 (fig. 89).

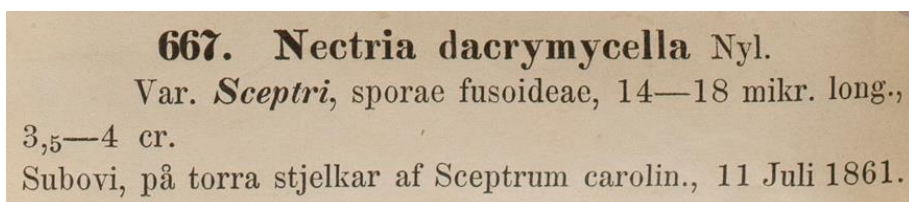


Fig. 89 (FH 00785661)

Nectria dacrymycella var. *sceptri* (P. Karst.) P. Karst., Fungi Fenn. Exs., Cent. 7: no. 667, 1867.

≡ *Nectria sceptri* P. Karst., Enum. Fung. Lapponia: 213, 1866.

≡ ***Charonectria sceptri*** (P. Karst.) Lowen, in Rossman et al., Stud. Mycol. 42: 181, 1999.

[Full synonymy, see <https://www.mycobank.org/MB/460464>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 667 (fig. 89). For full synonymy see Rossman et al. (1999: 181).

Sphaeria helvellae P. Karst., Fungi Fenn. Exs., Cent. 7: no. 674, 1867.

≡ ***Sphaeronaemella helvellae*** (P. Karst.) P. Karst., Hedwigia 23(2): 18, 1884.

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 674 (fig. 90). A lectotype (FH 00290654) was designated by Upadhyay (1981: 98, as 'holotype').

674. Sphaeria Helvellae n. sp.

Perithecia ovoideo-sphaeroidea mollia levia glabra flavescientia, ostiolo subulato-rostrato hyalino-albido 0,3—0,5 m. m. longo; globulo e albido flavido; sporae ellipsoideae, 7—10 mikr. long., 4—6 cr.

Mustiala, på *Helvella infula*, 24 Sept.

Fig. 90 (FH 00290654)

Pilobolus lentiger var. *conformis* P. Karst. (as '*lentigerus*'), Fungi Fenn. Exs., Cent. 7: no. 678, 1867.
Notes: This is a new variety name validly published on the label of Karsten, Fungi Fenn. Exs. 678 (fig. 91).

678. Pilobolus lentigerus Cda.

Var. *conformis* Krst. — Sporae sphaeroideo-ellipsoideae, long. 10—13, cr. 8—10 mikr.; sporangia nigra.

Mustiala, på menniskoexkrementer, 10 Maj.

Obs. Ad *Pilob. crystallinum* Tod. se refert, fere ut *P. oedipus* Mont. ad *P. intermedium* Coem.

Fig. 91 (FH 00785671)

Pilobolus intermedium (Coem.) P. Karst. (as '*intermedium*'), Fungi Fenn. Exs., Cent. 7: no. 678, 1867 [Bidrag Kännedom Finlands Natur Folk 32: 71, 1879].

≡ *Pilobolus oedipus* var. *intermedius* Coem. (as '*intermedia*'), Bull. Acad. Roy. Sci. Belgique Sér. 2, 16(7): 71, 1863.

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 678 (fig. 91).

Cent. 8

Agaricus cessans P. Karst., Fungi Fenn. Exs., Cent. 8: no. 703, 1868 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 219, 1870 [1871].

≡ *Collybia cessans* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 32: 163, 1879.

≡ *Tephrocye cessans* (P. Karst.) M.M. Moser, Kleine Krypt.-Fl. Band 2b, Teil 2: 116, 1967, nom. inval., Art. 41.8.

≡ *Tephrocye cessans* (P. Karst.) M.M. Moser ex J.K. Mitch. & Bensch, **comb. nov.** MB 848928.

[Basionym: *Agaricus cessans* P. Karst., Fungi Fenn. Exs., Cent. 8: no. 703, 1868.]

Syntypes: [Finland,] Mustiala, på granbarr [needles of *Picea abies*], Oct. [October] 1867, [P. A. Karsten, Fungi Fenn. Exs. 703] (e.g., H 6019037, UPS s.n., FH 00785696)

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 703 (fig. 92). The combination *Tephrocye cessans* was proposed by Moser (1967: 116), who referred to the first part of *Symbolae ad Mycologiam Fennicam* (Karsten 1870: 219) as the place of valid publication of *Agaricus cessans* (cited as '*Collybia cessans*') when making the combination in *Tephrocye*. Because Moser did not cite a type or make a full and direct citation to one and Karsten (l.c.) clearly cites his earlier publication in *Fungi Fenniae Exsiccati*, none of the provisions of Art. 41.8 apply and this combination is invalidly published; it is validated here.

703. Agaricus (Collybia) cessans Karst.

Pileus convexo-expansus, late umbilicatus, subcarnosus, striatus, glaber, livido-fuscescens, siccus isabellino-albicans, laevis, latit. 1—3 cm.; stipes subaequalis, pallidus; lamellae arcuato-adnatae, dein adnato-decurrentes, distantes, venoso-connexae, albidae.

Mustiala, på granbarr, Okt. 1867.

Fig. 92 (FH 00785696)

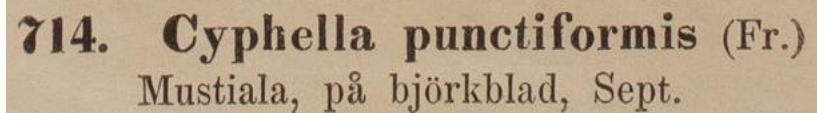
Cyphella punctiformis (Fr.) P. Karst., Fungi Fenn. Exs., Cent. 8: no. 714, 1868 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 221, 1870 [1871].

≡ *Peziza punctiformis* Fr., Syst. Mycol. 2(1): 105, 1822, nom. sanct. [Fr., l.c.].

≡ ***Flagelloscypha punctiformis*** (Fr.) Agerer, Sydowia 27: 246, 1975 [1973].

[Full synonymy, see <https://www.mycobank.org/MB/314163>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 714 (fig. 93).



714. *Cyphella punctiformis* (Fr.)
Mustiala, på björkblad, Sept.

Fig. 93 (FH 00785707)

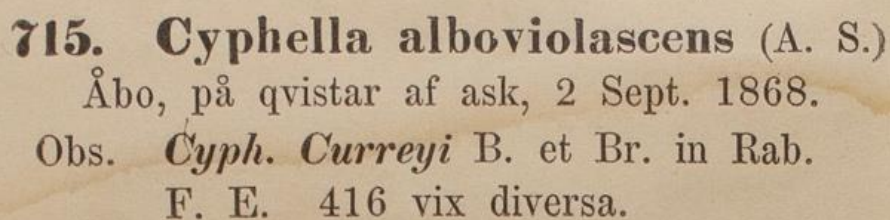
Cyphella alboviolascens (Alb. & Schwein.) P. Karst., Fungi Fenn. Exs., Cent. 8: no. 715, 1868 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 221, 1870 [1871].

≡ *Peziza alboviolascens* Alb. & Schwein. (as '*albo-violascens*'), Consp. Fung. Lusat.: 322, 1805, nom. sanct. [Fr., Syst. Mycol. 2(1): 96, 1822].

≡ ***Lachnella alboviolascens*** (Alb. & Schwein.) Fr., Summa Veg. Scand. 2: 365, 1849.

[Full synonymy, see <https://www.mycobank.org/MB/414590>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 715 (fig. 94). A lectotype was designated in Donk (1959).



715. *Cyphella alboviolascens* (A. S.)
Åbo, på qvistar af ask, 2 Sept. 1868.
Obs. *Cyph. Curreyi* B. et Br. in Rab.
F. E. 416 vix diversa.

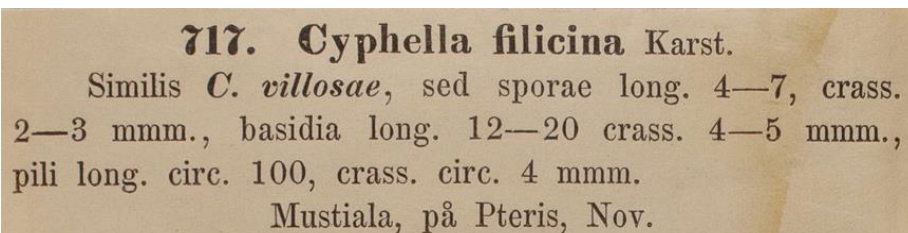
Fig. 94 (FH 00785708)

Cyphella filicina P. Karst., Fungi Fenn. Exs., Cent. 8: no. 717, 1868 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 220, 1870 [1871].

≡ ***Nochascypha filicina*** (P. Karst.) Agerer, Mitt. Bot. Staatssamml. München 19: 268, 1983.

[Full synonymy, see <https://www.mycobank.org/MB/108274>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 703 (fig. 95). Agerer (1983: 268) examined the specimen preserved in H (H 6005775) and called it the holotype of that species. It should however rather be regarded as lectotype (see Art. 9.10.)



717. *Cyphella filicina* Karst.
Similis *C. villosae*, sed sporae long. 4—7, crass. 2—3 mmm., basidia long. 12—20 crass. 4—5 mmm., pili long. circ. 100, crass. circ. 4 mmm.
Mustiala, på Pteris, Nov.

Fig. 95 (FH 00785710)

Cyphella abieticola P. Karst., Fungi Fenn. Exs., Cent. 8: no. 718, 1868 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 221, 1870 [1871], nom. illeg., Art. 53.1, homonym, non *Cyphella abieticola* P. Crouan & H. Crouan, 1867.

≡ *Chaetocypha abieticola* Kuntze, Revis. Gen. Pl. 2: 847, 1891.

≡ ***Flagelloscypha abieticola*** (Kuntze) W.B. Cooke, Beih. Sydowia 4: 59, 1961.

[Full synonymy, see <https://www.mycobank.org/MB/330897>]

Notes: This is an illegitimate species name published on the label of Karsten, Fungi Fenn. Exs. 718 (fig. 96).

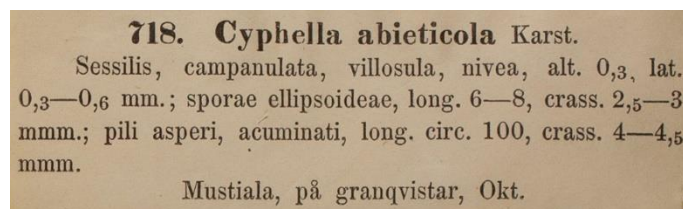


Fig. 96 (FH 00785711)

Peziza semiimmersa P. Karst., Fungi Fenn. Exs., Cent. 8: no. 724, 1868, nom. inval., Art. 38.1(a).
 ≡ *Peziza semiimmersa* P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 117, 1869 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 227, 1870 [1871]; Bidrag Kännedom Finlands Natur Folk 19: 254, 1871].
 ≡ *Sepultariella semiimmersa* (P. Karst.) Van Vooren, U. Lindem. & Healy (as '*semi-immersa*'), Ascomycete.org 9(4): 118, 2017.
 Notes: This is an invalid species name published on the label of Karsten, Fungi Fenn. Exs. 724 (fig. 97). It was validly published in Karsten (1869).

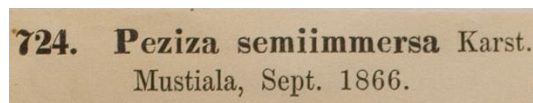


Fig. 97 (FH 00785717)

Peziza umbilicata P. Karst., Fungi Fenn. Exs., Cent. 8: no. 729, 1868 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 226, 1870 [1871]; Bidrag Kännedom Finlands Natur Folk 19: 55, 1871], nom. illeg., Art. 53.1, homonym, non *Peziza umbilicata* Pers., 1822.
 ≡ *Discina umbilicata* Sacc., Syll. Fung. 8: 100, 1889.
 ≡ *Galactinia umbilicata* (Sacc.) Boud., Hist. Classif. Discomyc. Eur.: 48, 1907.
 ≡ *Plicaria umbilicata* (Sacc.) Bánhegyi, Borbásia 1(3–7): 85, 1939.
 = *Sporotrichum fulvum* Fr., Syst. Mycol. 3(2): 418, 1832, nom. sanct. [Fr., l.c.].
 ≡ *Chromelosporium fulvum* (Fr.) McGinty, Hennebert & Korf, in Hennebert & Korf, Mycologia 67(2): 216, 1975.
 [Full synonymy, see <https://www.mycobank.org/MB/311086>]
 Notes: This is an illegitimate species name published on the label of Karsten, Fungi Fenn. Exs. 729 (fig. 98). Dissing & Korf (1978: 59) selected as lectotype no. 729 in the copy of Fungi Fenniae Exsiccati held at K [K(M) 38214] and established the synonymy with *Peziza ostracoderma*, the teleomorph of *Chromelosporium fulvum*.
<https://ascomycete.org/de/2000-Pezizales/Art/Peziza-ostracoderma?mapid=449>.

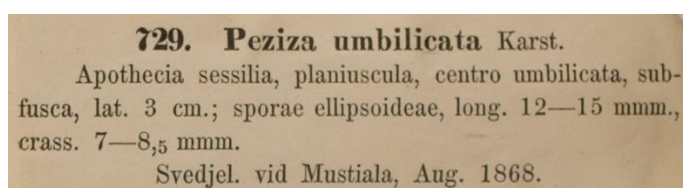


Fig. 98 (FH 00785722)

Peziza vitreola P. Karst., Fungi Fenn. Exs., Cent. 8: no. 731, 1868, nom. inval., Art. 38.1(a).
 ≡ *Peziza vitreola* P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 180, 1869.
 ≡ *Helotium hyalinum* subsp. *vitreolum* (P. Karst.) P. Karst. (as '* *H. vitreolum*'), Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 240, 1870 [1871].
 ≡ *Helotium vitreolum* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 19: 145, 1871.
 ≡ *Hyaloscypha vitreola* (P. Karst.) Boud., Icon. Mycol. Sér. 1(Livr. 2): [4], 1904.
 Notes: This is an invalid species name published on the label of Karsten, Fungi Fenn. Exs. 731 (fig. 99). It was validly published in Karsten (1869).

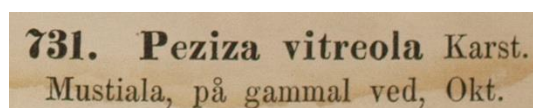


Fig. 99 (FH 00785724)

Peziza ventosa P. Karst., Fungi Fenn. Exs., Cent. 8: no. 733, 1868, nom. inval., Art. 38.1(a).

≡ *Peziza ventosa* P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 157, 1869.

≡ *Trochila ventosa* (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 244, 1870 [1871].

≡ ***Mollisia ventosa*** (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 19: 188, 1871.

Notes: This is an invalid species name published on the label of Karsten, Fungi Fenn. Exs. 733 (fig. 100). It was validly published in Karsten (1869) and later transferred to *Mollisia* (see also Dennis 1950).

733. *Peziza ventosa* Karst.
Vid Paloniemi i Tammela, Juni.

Fig. 100 (FH 00785726)

Belonidium litoreum P. Karst., Fungi Fenn. Exs., Cent. 8: no. 737, 1868 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 213, 1870 [1871].

≡ *Belonidium litoreum* subsp. *proteus* P. Karst. (as ‘* *proteus*’), Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 242, 1870 [1871], nom. inval., Art. 26.2.

≡ *Belonidium campanula* var. *litoreum* (P. Karst.) P. Karst. (as ‘var. *β. litoreum*’), Bidrag Kännedom Finlands Natur Folk 19: 163, 1871.

≡ *Belonioscypha vexata* var. *litorea* (P. Karst.) Rehm (as ‘*littorea*’), Rabenh. Krypt.-Fl. Ed. 2, Band 1 Abth. 3(Lief. 39): 746, 1893 [1896].

= ***Cyathicula culmicola*** (Desm.) S.E. Carp. & Dumont, Mycologia 70(6): 1231, [1978] 1979.

[Full synonymy, see <https://www.mycobank.org/MB/247602>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 737 (fig. 101).

737. *Belonidium litoreum* Karst. (Fr.?)
Apothecia stipitata, albida, virescente vel rosello pallida, cupula planiuscula; sporae 3-septatae, long. 28—40, crass. 4—5,5 mmm.
Kytö i Tammela, på Phragmites, Okt.

Fig. 101 (FH 00785730)

Peziza conformata P. Karst., Fungi Fenn. Exs., Cent. 8: no. 738, 1868, nom. inval., Art. 38.1(a).

≡ *Peziza conformata* P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 149, 1869.

≡ *Helotium conformatum* (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 236, 1870 [1871] [Bidrag Kännedom Finlands Natur Folk 19: 124, 1871].

≡ ***Ciboria conformata*** (P. Karst.) Svrček, Česká Mykol. 36(3): 152, 1982.

Notes: This is an invalid species name published on the label of Karsten, Fungi Fenn. Exs. 738 (fig. 102). It was validly published in Karsten (1869) and later transferred to *Ciboria*.

738. *Peziza conformata* Karst.
Mustiala, på alblad, Maj.

Fig. 102 (FH 00785731)

Peziza suspecta (Nyl.) P. Karst., Fungi Fenn. Exs., Cent. 8: no. 740, 1868.

≡ *Peziza virgultorum* var. *suspecta* Nyl., Observ. Peziz. Fenn.: 38, 1868.

≡ *Hymenoscyphus suspectus* (Nyl.) Hengstm., Persoonia 12(4): 489, 1985, nom. inval., Art. 41.8.

≡ ***Hymenoscyphus suspectus*** (Nyl.) Hengstm., **comb. nov.** MB848929.

[Basionym: *Peziza virgultorum* var. *suspecta* Nyl., Observ. Peziz. Fenn.: 38, 1868.]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 740 (fig. 103). Century 8 of *Fungi Fenniae Exsiccati* was issued at least after 1 October 1868 (the collecting date of no. 701), after Nylander's *Observationes Circa Pezizas Fenniae* was issued in September 1868. The combination *Hymenoscyphus suspectus* was proposed by Hengstmengel (1985: 489), who cited as basionym the publication of *Peziza suspecta* on the label of Fungi Fenn. Exs. 740 when making the combination in *Hymenoscyphus*. Because Hengstmengel did not cite a type or Latin

diagnosis or make a full and direct citation to either and Karsten indirectly references Nylander's earlier name and publication on the label, none of the provisions of Art. 41.8 apply and this combination is invalidly published; it is validated here.

740. *Peziza suspecta* Nyl.
Mustiala, på Calamagrostis, Okt.

Fig. 103 (FH 00785733)

Peziza byssacea P. Karst., Fungi Fenn. Exs., Cent. 8: no. 741, 1868.

≡ *Allophylaria byssacea* (P. Karst.) P. Karst., Acta Soc. Fauna Fl. Fenn. 2(6): 131, 1885.

[Full synonymy, see <https://www.mycobank.org/MB/543351>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 741 (fig. 104).

741. *Peziza byssacea* Karst.
Apothecia obconice elongata, glabra, subtestaceo-pallida; sporae fusoido-oblongatae, guttulis 2—4 praeditae, long. 15—20, crass. 3—4,5 mmm.; paraphyses numerosae, crass. 1 mmm.
Mustiala, på Carex, 2 Okt.

Fig. 104 (FH 00785734)

Peziza clavuliformis P. Karst., Fungi Fenn. Exs., Cent. 8: no. 742, 1868.

≡ *Allophylaria clavuliformis* (P. Karst.) P. Karst., Acta Soc. Fauna Fl. Fenn. 2(6): 131, 1885.

[Full synonymy, see <https://www.mycobank.org/MB/212945>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 742 (fig. 105). A lectotype (H 6039309) was designated by Verkley (1999: 143).

742. *Peziza clavuliformis* Karst.
Apothecia stipitata, pallida, glabra, cupula planiuscula; sporae oblongatae, guttulis 2 foetae, long. 13—20, crass. 4—4,5 mmm.
Mustiala, på Rub. id., Sept.

Fig. 105 (FH 00785735)

Peziza nanella P. Karst., Fungi Fenn. Exs., Cent. 8: no. 743, 1868 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 216, 1870 [1871].

≡ *Ombrophila nanella* (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 243, 1870 [1871] [Bidrag Kännedom Finlands Natur Folk 19: 90, 1871].

[Full synonymy, see <https://www.mycobank.org/MB/569644>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 743 (fig. 106).

743. *Peziza nanella* Karst.
Apothecia stipitata, pallida, gelatinosa; sporae fusoido-oblongatae, long. 8—15, crass. 3,5—4,5 mmm.
Sipilä i Tammela, på granbarr, Okt.

Fig. 106 (FH 00785736)

Peziza fallens P. Karst., Fungi Fenn. Exs., Cent. 8: no. 744, 1868.

≡ *Trochila fallens* (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 217, 1870 [1871].

≡ *Trochila cinerea* subsp. *fallens* (P. Karst.) P. Karst. (as ‘** *Tr. fallens*’), Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 244, 1870 [1871].

≡ *Mollisia cinerea* subsp. *fallens* (P. Karst.) P. Karst. (as ‘** *M. fallens*’), Bidrag Kännedom Finlands Natur Folk 19: 191, 1871.

≡ ***Mollisia fallens*** (P. Karst.) Sacc., Syll. Fung. 8: 332, 1889.

[Full synonymy, see <https://www.mycobank.org/MB148100>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 744 (fig. 107).

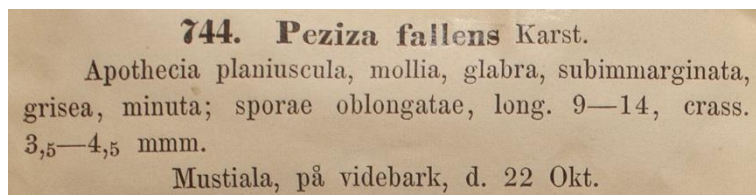


Fig. 107 (FH 00785737)

Peziza paradoxa P. Karst., Fungi Fenn. Exs., Cent. 8: no. 746, 1868, nom. inval., Art. 38.1(a).

≡ *Peziza paradoxa* P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 155, 1869.

≡ ***Clibanites paradoxus*** (P. Karst.) P. Karst. (as '*paradoxa*'), Bidrag Kännedom Finlands Natur Folk 19: 167, 1871.

Notes: This is an invalid species name published on the label of Karsten, Fungi Fenn. Exs. 746 (fig. 108). It was validly published in Karsten (1869) and later transferred to *Clibanites*.

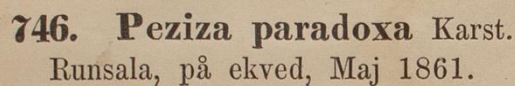


Fig. 108 (FH 00785739)

Peziza graminea P. Karst., Fungi Fenn. Exs., Cent. 8: no. 747, 1868.

≡ *Niptera palustris* subsp. *graminea* (P. Karst.) P. Karst. (as '***** *N. graminea*'), Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 247, 1870 [1871].

≡ *Mollisia graminea* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 19: 199, 1871.

≡ ***Belonopsis graminea*** (P. Karst.) Sacc. & P. Syd., Syll. Fung. 16: 753, 1902.

[Full synonymy, see <https://www.mycobank.org/MB/235827>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 747 (fig. 109). Dennis (1950: 182) designated a lectotype (H, [Finland,] ML. [Mustiala], ad Calamagr. [*Calamagrostis*] (?), 27 Sept. [September] 68 [1868], P.A. Karsten (as '*Peziza junciseda*' but later annotated '*Belonopsis graminea* (Karst.) Sacc. & Syd.').

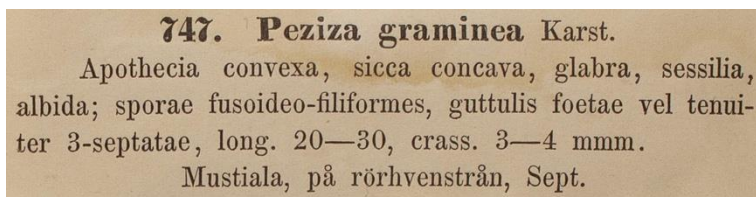


Fig. 109 (FH 00785740)

Peziza juncinella P. Karst., Fungi Fenn. Exs., Cent. 8: no. 748, 1868, nom. inval., Art. 38.1(a).

≡ *Peziza junciseda* subsp. *juncinella* P. Karst. (as '* *Peziza juncinella*'), Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 164, 1869.

≡ *Niptera palustris* subsp. *juncinella* (P. Karst.) P. Karst. (as '**** *N. juncinella*'), Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 247, 1870 [1871].

≡ *Mollisia junciseda* subsp. *juncinella* (P. Karst.) P. Karst. (as '* *juncinella*'), Bidrag Kännedom Finlands Natur Folk 19: 198, 1871.

Notes: This is an invalid species name published on the label of Karsten, Fungi Fenn. Exs. 748 (fig. 110). It was validly published at infraspecific rank in Karsten (1869). According to Dennis (1950: 182) it closely resembles *Belonopsis junciseda* but differs in having larger asci and spores.

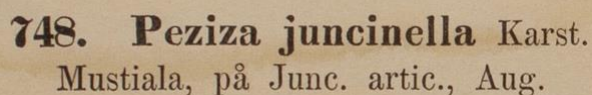


Fig. 110 (FH 00785741)

Peziza personata P. Karst., Fungi Fenn. Exs., Cent. 8: no. 749, 1868, nom. inval., Art. 38.1(a).
 ≡ *Peziza personata* P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 154, 1869.
 ≡ ***Aleuriella personata*** (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 243, 1870 [1871]
 [Bidrag Kännedom Finlands Natur Folk 19: 186, 1871].
 Notes: This is an invalid species name published without description on the label of Karsten, Fungi Fenn. Exs. 749 (fig. 111). It was validly published in Karsten (1869) and later transferred to *Aleuriella*. A lectotype (UPS, Fungi Fenn. Exs. 749) was designated by Huhtinen 1994: 8).

749. *Peziza personata* Karst.
 Mustiala, på björkbark.

Fig. 111 (FH 00785742)

Peziza aridula P. Karst., Fungi Fenn. Exs., Cent. 8: no. 750, 1868, nom. inval., Art. 38.1(a).
 ≡ *Peziza aridula* P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 148, 1869.
 ≡ ***Gorgoniceps aridula*** (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 247, 1870 [1871]
 [Bidrag Kännedom Finlands Natur Folk 19: 185, 1871].
 Notes: This is an invalid species name published on the label of Karsten, Fungi Fenn. Exs. 750 (fig. 112). It was validly published in Karsten (1869) and later transferred to *Gorgoniceps*.

750. *Peziza aridula* Karst.
 Mustiala, på tallved, Okt.

Fig. 112 (FH 00785743)

Peziza sordidula P. Karst., Fungi Fenn. Exs., Cent. 8: no. 751, 1868 [Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 170, 1869].
 ≡ *Trochila sordidula* (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 244, 1870 [1871].
 ≡ *Mollisia sordidula* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 19: 193, 1871.
 ≡ ***Pseudohelotium sordidulum*** (P. Karst.) Huhtinen, Karstenia 34: 6, 1994.
 [Full synonymy, see <https://www.mycobank.org/MB/362259>]
 Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 751 (fig. 113). A lectotype (H 6046681) was designated by Huhtinen (1994: 6).

751. *Peziza sordidula* Karst.
 Apothecia convexa, sordide pallida, sicca concaviuscula,
 fusciscentia; sporae fusoideo-elongatae, guttulis plerumque
 4 foetae, long. 14—30, crass. 3—4 mmm.
 Mustiala, på tallved, Sept.

Fig. 113 (FH 00785744)

Tympanis atra P. Karst., Fungi Fenn. Exs., Cent. 8: no. 755, 1868, nom. illeg. superfl., Art. 52.1.
 ≡ *Lecanidion atrum* Rabenh., Deutschl. Krypt.-Fl. 1: 342, 1844, nom. illeg. superfl., Art. 52.1.
 ≡ *Lichen atratus* Hedw., Descr. Micr.-Anal. Musc. Frond. 2: 61, tab. 21, fig. A, 1789.
 ≡ ***Patellaria atrata*** (Hedw.) Fr., Syst. Mycol. 2(1): 160, 1822, nom. sanct. [Fr., l.c.].
 Notes: This is a replacement name validly but illegitimately published on the label of Karsten, Fungi Fenn. Exs. 755 (fig. 114).

755. *Tympanis atra* (Rab.)
Tympanis pinastri Tul.
 Mustiala, på granbark, 6 Okt.

Fig. 114 (FH 00785747)

Tympanis bacillifera P. Karst., Fungi Fenn. Exs., Cent. 8: no. 756, 1868 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 252, 1870 [1871]; Bidrag Kännedom Finlands Natur Folk 19: 229, 1871].
 ≡ *Patellaria bacillifera* (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 13: 235, 1873.

≡ *Pragmopora bacillifera* (P. Karst.) Rehm, Rabenh. Krypt.-Fl. Ed. 2, Band 1 Abth. 3(Lief. 33): 340, 1890 [1896].

[Full synonymy, see <https://www.mycobank.org/MB/433791>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 756 (fig. 115).

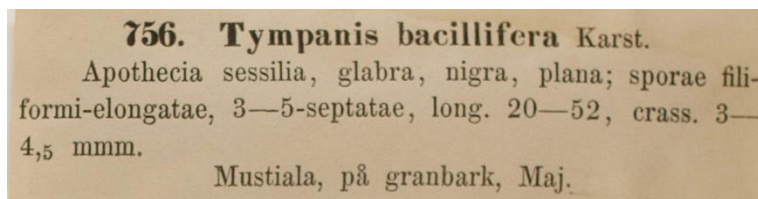


Fig. 115 (FH 00785748)

Ascobolus cinerellus P. Karst., Fungi Fenn. Exs., Cent. 8: no. 760, 1868 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 206, 1871].

≡ *Peziza cinerella* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 19: 51, 1871, nom. illeg., Art. 53.1, homonym, non *Peziza cinerella* P. Crouan & H. Crouan, 1867.

[Full synonymy, see <https://www.mycobank.org/MB/210561>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 760 (fig. 116).

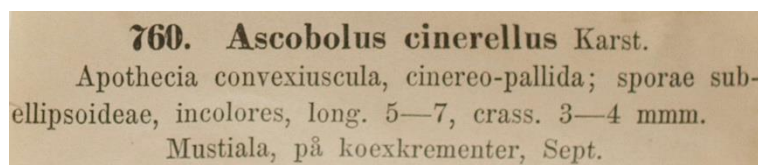


Fig. 116 (FH 00785752)

Peziza fuscella P. Karst., Fungi Fenn. Exs., Cent. 8: no. 761, 1868.

≡ *Trochila fuscella* (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 246, 1870 [1871] [Bidrag Kännedom Finlands Natur Folk 19: 248, 1871].

≡ *Hysteropezizella fuscella* (P. Karst.) Nannf., Nova Acta Regiae Soc. Sci. Upsal. Ser. 4, 8(2): 115, 1932.

[Full synonymy, see <https://www.mycobank.org/MB/265634>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 761 (fig. 117).

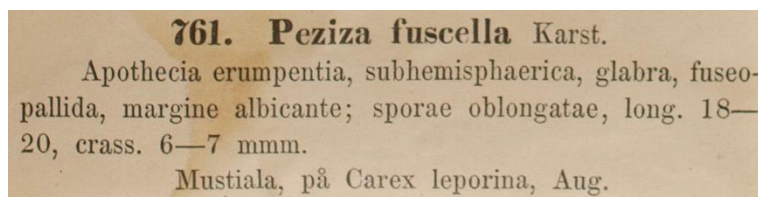


Fig. 117 (FH 00785753)

Ascobolus crenulatus P. Karst., Fungi Fenn. Exs., Cent. 8: no. 763, 1868 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 202, 1871; Bidrag Kännedom Finlands Natur Folk 19: 77, 1871].

[Full synonymy, see <https://www.mycobank.org/MB/248895>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 763 (fig. 118).

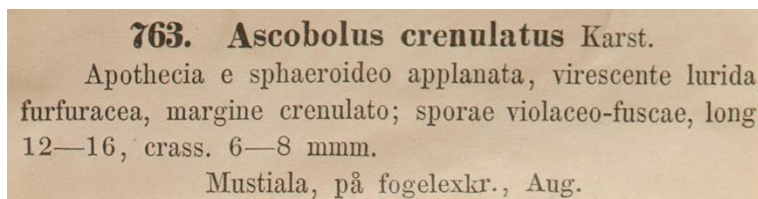


Fig. 118 (FH 00785755)

Peziza fiscella P. Karst., Fungi Fenn. Exs., Cent. 8: no. 764, 1868, nom. inval., Art. 38.1(a).
 ≡ *Peziza fiscella* P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 154, 1869.
 ≡ *Vibrissea filisporia* f. *fiscella* (P. Karst.) A. Sánchez, J. Agric. Univ. Puerto Rico 51(1): 87, 1967.
 Notes: This is an invalid species name published on the label of Karsten, Fungi Fenn. Exs. 764 (fig. 119). It was validly published in Karsten (1869) and later reduced to a form of *Vibrissea filisporia*.

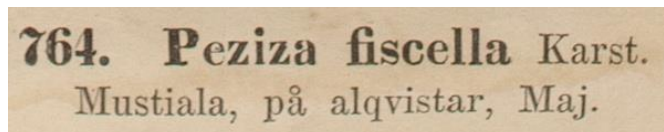


Fig. 119 (FH 00785756)

Stictis emergens P. Karst., Fungi Fenn. Exs., Cent. 8: no. 765, 1868 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 254, 1870 [1871].
 ≡ *Mollisia emergens* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 19: 194, 1871.
 ≡ *Diplonaevia emergens* (P. Karst.) B. Hein, Sydowia 36: 84, 1983.
 [Full synonymy, see <https://www.mycobank.org/MB/115144>]
 Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 765 (fig. 120).

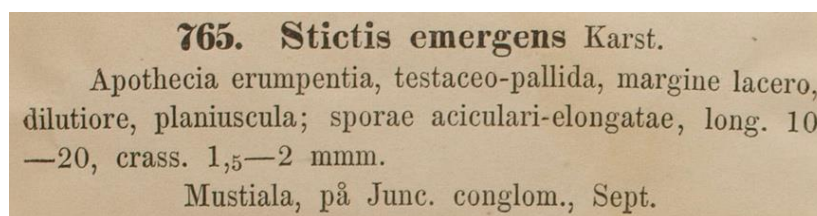


Fig. 120 (FH 00785757)

Lophium decipiens P. Karst., Fungi Fenn. Exs., Cent. 8: no. 767, 1868 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 261, 1870 [1871]; Bidrag Kännedom Finlands Natur Folk 23: 246, 1873].
 ≡ *Mytilinidion decipiens* (P. Karst.) Sacc. (as 'Mytilidion'), Michelia 1(1): 55, 1877.
 Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 767 (fig. 121).

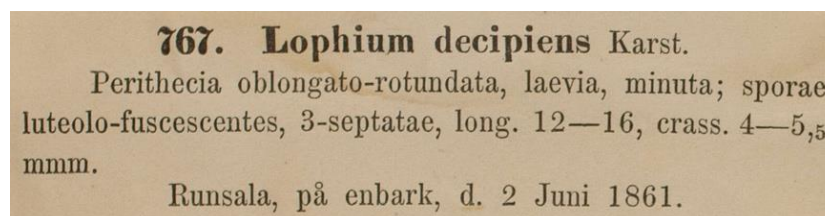


Fig. 121 (FH 00785759)

Schmitzomia polycocca P. Karst., Fungi Fenn. Exs., Cent. 8: no. 768, 1868 [Bidrag Kännedom Finlands Natur Folk 19: 241, 1871; see also Not. Sällsk. Fauna Fl. Fenn. Förh. 13: 236, 1873].
 ≡ *Stictis polycocca* (P. Karst.) P. Karst., Acta Soc. Fauna Fl. Fenn. 2(6): 166, 1885.
 [Full synonymy, see <https://www.mycobank.org/MB/139830>]
 Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 768 (fig. 122).

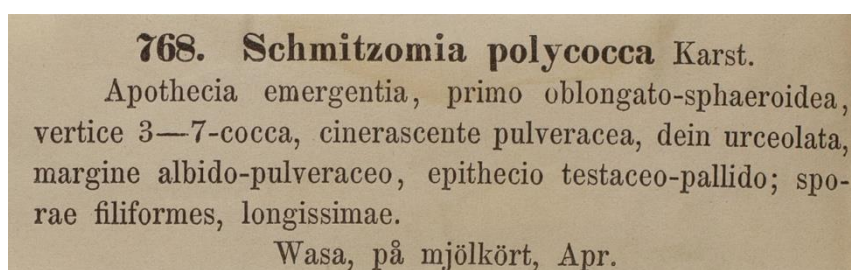


Fig. 122 (FH 00785760)

Lophium laeviusculum P. Karst., Fungi Fenn. Exs., Cent. 8: no. 771, 1868 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 261, 1870 [1871]; Bidrag Kännedom Finlands Natur Folk 23: 246, 1873].

= *Lophium mytilinellum* Fr., Syst. Mycol. 2(2): 534, 1823, nom. sanct. [Fr., l.c.].

≡ ***Mytilinidion mytilinellum*** (Fr.) H. Zogg, Beitr. Kryptogamenfl. Schweiz 11(3): 106 & 108, 1962.

[Full synonymy, see <https://www.mycobank.org/MB/120959>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 771 (fig. 123). Lohman (1939: 363) said of a specimen in Karsten's herbarium (H 6057286) that it "may be considered the type." Because it is not clear that he definitely accepted it as such, he did not achieve a lectotypification.

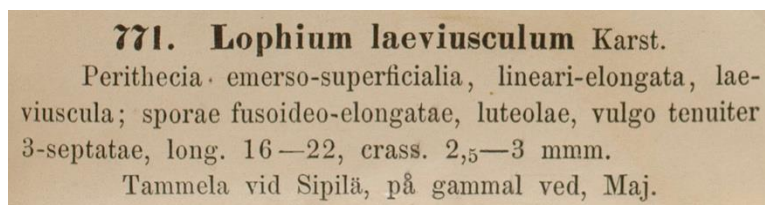


Fig. 123 (FH 00785763)

Hypoxyton reticulatum P. Karst., Fungi Fenn. Exs., Cent. 8: no. 773, 1868 [Bidrag Kännedom Finlands Natur Folk 23: 43, 1873; Not. Sällsk. Fauna Fl. Fenn. Förh. 13: 236, 1873].

= *Sphaeria hydnicola* Schwein., J. Acad. Nat. Sci. Philadelphia 5(1): 14, 1825, nom. sanct. [Fr., Syst. Mycol. 3(Index): 167, 1832].

≡ ***Nemania serpens*** var. ***hydnicola*** (Schwein.) Y.M. Ju & J.D. Rogers, Nova Hedwigia 74(1–2): 109, 2002.

[Full synonymy, see <https://www.mycobank.org/MB/477332>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 773 (fig. 124). A lectotype [K(M) 68871] was designated by Granmo et al. (1999: 71).

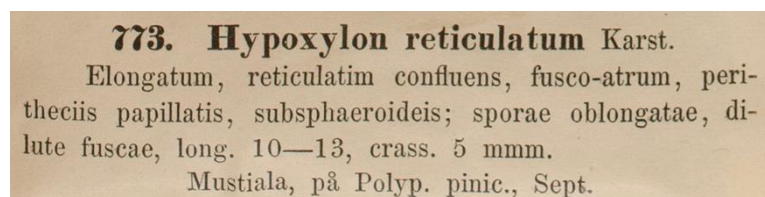


Fig. 124 (FH 00785765)

Anthostoma fennicum P. Karst., Fungi Fenn. Exs., Cent. 8: no. 774, 1868.

≡ *Phaeosperma fennicum* (P. Karst.) P. Karst. (as '*fennica*'), Bidrag Kännedom Finlands Natur Folk 23: 54, 1873.

= ***Pseudovalsaria ferruginea*** (Nitschke) Rappaz, Mycol. Helv. 7(1): 159, 1995.

[Full synonymy, see <https://www.mycobank.org/MB/363314>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 774 (fig. 125). Ju et al. (1996: 442) designated a lectotype (H 6052387).

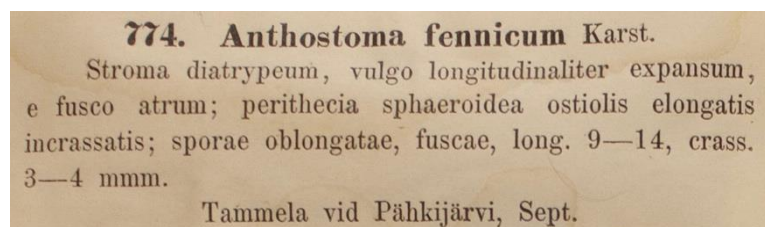


Fig. 125 (FH 00785766)

Hypoxyton depauperatum P. Karst., Fungi Fenn. Exs., Cent. 8: no. 776, 1868, nom. inval., Art. 38.1(a).

≡ *Hypoxyton pauperatum* P. Karst., Enum. Fung. Lapponia: 211, 1866 [Bidrag Kännedom Finlands Natur Folk 23: 42, 1873].

= ***Entoleuca mammata*** (Wahlenb.) J.D. Rogers & Y.M. Yu, Mycotaxon 59: 446, 1996.

[Full synonymy, see <https://www.mycobank.org/MB/415807>]

Notes: This is an invalid species name published on the label of Karsten, Fungi Fenn. Exs. 776 (fig. 126). It is probably just a *lapsus calami* for *Hypoxylon pauperatum*, published two years earlier, as the collecting information is the same and Karsten (1873a: 42) later included this collection under that name with no mention of the ‘*depauperatum*’ spelling.

776. Hypoxylon depauperatum Karst.
Vid Sasheika i ryska lappmarken, på Rönn, d. 27 Juni 1861.

Fig. 126 (FH 00785768)

Valsa sorbi subsp. *padi* (P. Karst.) P. Karst. (as ‘* *V. padi*’), Fungi Fenn. Exs., Cent. 8: no. 781, 1868.

≡ *Valsa sorbi* f. *padi* P. Karst., Fungi Fenn. Exs., Cent. 4: no. 355, 1866.

≡ *Eutypella padi* (P. Karst.) Sacc., Syll. Fung. 1: 147, 1882.

[Full synonymy, see <https://www.mycobank.org/MB/150300>].

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 781 (fig. 127).

781. Valsa Sorbi (Schm.)
* *V. Padi* Karst. *V. Sorbi* minor.
Mustiala, på Hägg, d. 29 Apr. 1867.

Fig. 127 (FH 00785773)

Diatrypella pulvinata subsp. *intermedia* P. Karst. (as ‘* *intermedia*’), Fungi Fenn. Exs., Cent. 8: no. 782, 1868 [Bidrag Kännedom Finlands Natur Folk 23: 152, 1873].

≡ *Diatrypella intermedia* (P. Karst.) Sacc., Syll. Fung. 1: 204, 1882.

[Full synonymy, see <https://www.mycobank.org/MB/218975>].

Notes: This is a new subspecies name validly published on the label of Karsten, Fungi Fenn. Exs. 782 (fig. 128).

782. Diatrypella pulvinata Nitschk.
* *intermedia* Karst. Ostiola peritheciarum crassa,
alte quadrisulcata.
Runsala, på Ek, d. 10 Juni 1867.

Fig. 128 (FH 00785774)

Calosphaeria ciliatula (Fr.) P. Karst., Fungi Fenn. Exs., Cent. 8: no. 787, 1868 [Bidrag Kännedom Finlands Natur Folk 23: 156, 1873].

≡ *Sphaeria ciliatula* Fr., Syst. Mycol. 2(2): 406, 1823, nom. sanct. [Fr., l.c.].

[Full synonymy, see <https://www.mycobank.org/MB/193344>].

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 787 (fig. 129).

787. Calosphaeria ciliatula (Fr.)
Mustiala, på björk, 19 Dec. 1865.

Fig. 129 (FH 00785779)

Calosphaeria obvoluta P. Karst., Fungi Fenn. Exs., Cent. 8: no. 788, 1868 [Bidrag Kännedom Finlands Natur Folk 23: 158, 1873; Not. Sällsk. Fauna Fl. Fenn. Förh. 13: 239, 1873].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 788 (fig. 130).

788. Calosphaeria obvoluta Karst.
Perithecia 8—16 in soros stipata, atra, villo fusco
obducta, ostiolis exstantibus, flexuosis, hispidis; sporae
ellipsoideae, simplices, long. 8—11, crass. 4—5 mmm.
Kytö i Tammela, på albark, Maj.

Fig. 130 (FH 00785780)

Valsa millepunctata (Grev.) P. Karst., Fungi Fenn. Exs., Cent. 8: no. 789, 1868.

≡ *Cryptosphaeria millepunctata* Grev., Fl. Edin.: 360, 1824.

= *Sphaeria eunomia* Fr., Syst. Mycol. 2(2): 377, 1823, nom. sanct. [Fr., l.c.].

≡ ***Cryptosphaeria eunomia*** (Fr.) Fuckel, Jahrb. Nassauischen Vereins Naturk. 23–24: 212, 1870.

[Full synonymy, see <https://www.mycobank.org/MB/355867>].

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 789 (fig. 131). The combination was later also proposed by Nitschke (1870: 161).

789. *Valsa millepunctata* (Grev.)
Mustiala, på asp, Sept. 1867.

Fig. 131 (FH 00785781)

Sporormia stercoris (DC.) P. Karst., Fungi Fenn. Exs., Cent. 8: no. 794, 1868.

≡ *Sphaeria stercoris* DC., in Lam. & DC., Fl. Franç. 2: 294, 1805, nom. sanct. [Fr., Elench. Fung. 2: 104, 1828].

≡ *Sphaeria stercoraria* β. *stercoris* (DC.) Fr., Syst. Mycol. 2(2): 456, 1823, nom. sanct. [Fr., l.c.].

≡ ***Bombardioidea stercoris*** (DC.) N. Lundq., Acta Univ. Upsal., Symb. Bot. Upsal. 20(1): 281, 1972.

[Full synonymy, see <https://www.mycobank.org/MB/309833>].

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 794 (fig. 132). The combination was also later proposed by Pirotta (1878: 142).

794. *Sporormia stercoris* (DC.)
Sphaeria stercoraria Curr.
Sporormia minima Auersw.
Mustiala, på harexkrementer.

Fig. 132 (FH 00785786)

Lasiosphaeria canescens (Pers.) P. Karst., Fungi Fenn. Exs., Cent. 8: no. 796, 1868 [Bidrag Kännedom Finlands Natur Folk 23: 162, 1873].

≡ *Sphaeria canescens* Pers., Observ. Mycol. 1: 67, 1796, nom. sanct. [Fr., Syst. Mycol. 2(2): 448, 1823].

≡ *Echinosphaeria canescens* (Pers.) A.N. Mill. & Huhndorf, Mycol. Res. 108(1): 31, 2004, nom. inval., Art. 41.8.

≡ ***Echinosphaeria canescens*** (Pers.) A.N. Mill. & Huhndorf, **comb. nov.** MB 848930.

[Basionym: *Sphaeria canescens* Pers., Observ. Mycol. 1: 67, 1796.]

[Full synonymy, see <https://www.mycobank.org/MB/848930>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 796 (fig. 133). The combination *Echinosphaeria canescens* was proposed by Miller & Huhndorf (2004: 31), who referred to *Synopsis Methodica Fungorum* (Persoon 1801: 72) as the place of valid publication of *Sphaeria canescens* when making the combination in *Echinosphaeria*. Because Miller & Huhndorf did not cite a type or make a full and direct citation to one and Persoon (l.c.) clearly cites his earlier publication in *Observationes Mycologicae* (Persoon 1796: 67), none of the provisions of Art. 41.8 apply and this combination is invalidly published; it is validated here.

796. *Lasiosphaeria canescens* (Pers.)
Åbo, på björkved, d. 16 Okt. 1861.

Fig. 133 (FH 00785788)

Cent. 9

Tremella juniperina P. Karst., Fungi Fenn. Exs., Cent. 9: no. 812, 1869 [Bidrag Kännedom Finlands Natur Folk 37: 197, 1882], nom. illeg., Art. 53.1, homonym, non *Tremella juniperina* L. 1753.

≡ ***Tremella karstenii*** Hauerslev, Mycotaxon 72: 480, 1999.

[Full synonymy, see <https://www.mycobank.org/MB/461017>]

Notes: This is an illegitimate name introduced on the label of Karsten, Fungi Fenn. Exs. 812 (fig. 134). A lectotype (H 6006127) was designated by Torkelsen (1978: 435).

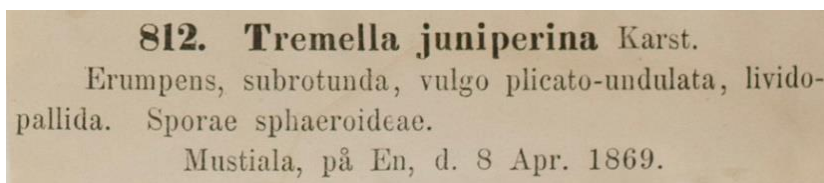


Fig. 134 (FH 00785804)

Peziza euchroa P. Karst., Fungi Fenn. Exs., Cent. 9: no. 816, 1869 [(as '*euchlora*'), Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 228, 1870 [1871].

≡ *Rhodotarzetta euchroa* (P. Karst.) Bronckers, Ascomycete.org 11(4): 143, 2019, nom. inval., Art. 41.8.

≡ *Rhodotarzetta euchroa* (P. Karst.) Bronckers, **comb. nov.** MB 849032.

[Basionym: *Peziza euchroa* P. Karst., Fungi Fenn. Exs., Cent. 9: no. 816, 1869.]

Lectotype: [Finland,] Pellinsuo, Aug. [August] 1869, P. A. Karsten 3010 (H 6035382, designated by Khare 2003: 450).

[Full synonymy, see <https://www.mycobank.org/MB/849032>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 816 (fig. 135). The combination *Rhodotarzetta euchroa* was proposed by Bronckers (2019: 143), who referred to the first part of *Symbolae ad Mycologiam Fennicam* (Karsten 1870: 228) as the place of valid publication of *Peziza euchroa* when making the combination in *Rhodotarzetta*. Because Bronckers did not cite a type or make a full and direct citation to one and Karsten (l.c.) clearly cites his earlier publication in *Fungi Fenniae Exsiccati*, none of the provisions of Art. 41.8 apply and this combination is invalidly published; it is validated here.

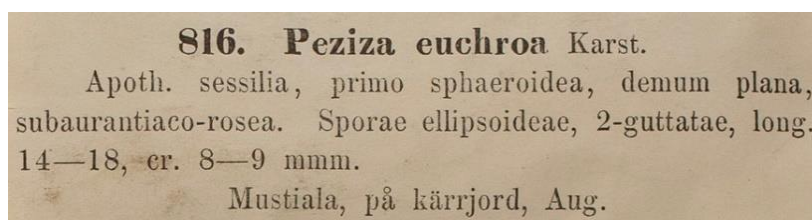


Fig. 135 (FH 00785808)

Peziza sylvatica P. Karst., Fungi Fenn. Exs., Cent. 9: no. 819, 1869 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 226, 1870 [1871]; Bidrag Kännedom Finlands Natur Folk 19: 52, 1871], nom. illeg., Art. 53.1, homonym, non *Peziza sylvatica* R. Ludw. 1859.

[Full synonymy, see <https://www.mycobank.org/MB/166548>]

Notes: This is an illegitimate name introduced on the label of Karsten, Fungi Fenn. Exs. 819 (fig. 136).

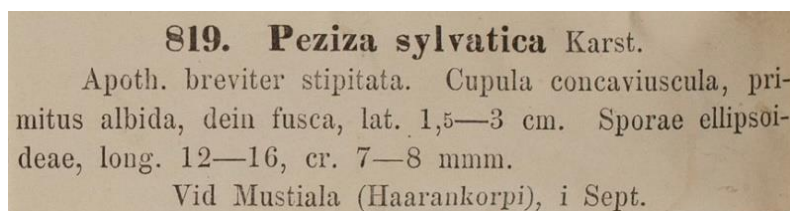


Fig. 136 (FH 00785811)

Helotium procerum P. Karst., Fungi Fenn. Exs., Cent. 9: no. 821, 1869 [Bidrag Kännedom Finlands Natur Folk 19: 130, 1871; Not. Sällsk. Fauna Fl. Fenn. Förh. 13: 233, 1873].

[Full synonymy, see <https://www.mycobank.org/MB/221042>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 821 (fig. 137).

821. *Helotium procerum* Karst.

Apoth. stipitata. Cupula convexa, albida, lat. 1 mm.
Stipes pallidus, alt. 4—5 mm. Sporae elongatae, eguttatae,
long. 8—16, cr. 2—3 mm.
Merimasku vid Horja, på mossen, i början af Juni.

Fig. 137 (FH 00785813)

Trochila atrata (Pers.) P. Karst., Fungi Fenn. Exs., Cent. 9: no. 822, 1869 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 244, 1870 [1871].

≡ *Peziza atrata* Pers., Syn. Meth. Fung. 2: 669, 1801, nom. sanct. [Fr., Syst. Mycol. 2(1): 148, 1822].

≡ ***Pyrenopeziza atrata*** (Pers.) Fuckel, Jahrb. Nassauischen Vereins Naturk. 23–24: 294, 1870.

[Full synonymy, see <https://www.mycobank.org/MB/244643>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 822 (fig. 138).

822. *Trochila atrata* (Pers.)

Mustiala, på Spiraea, våren 1868.

Fig. 138 (FH 00785814)

Trochila thallophila P. Karst., Fungi Fenn. Exs., Cent. 9: no. 823, 1869 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 246, 1870 [1871].

≡ ***Unguiculariopsis thallophila*** (P. Karst.) W.Y. Zhuang, Mycotaxon 32: 62, 1988.

[Full synonymy, see <https://www.mycobank.org/MB/133804>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 823 (fig. 139). A lectotype (H 6051985) was designated by Zhuang (1988: 63, as ‘holotype’).

823. *Trochila thallophila* Karst.

Apoth. sessilia, subhemisphaerica, fusca, subfurfurella.
Sporae subellipsoideae, simplices, long. 7—8, cr. 3 mm.
Mustiala, på Lecanora subfusca, Dec. 1868.

Fig. 139 (FH 00785815)

Sphaeria hirtula P. Karst., Fungi Fenn. Exs., Cent. 9: no. 825, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 96, 1873].

≡ ***Chaetomastia hirtula*** (P. Karst.) Berl., Icon. Fung. 1(1): 39, 1890.

[Full synonymy, see <https://www.mycobank.org/MB/431495>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 825 (fig. 140).

825. *Sphaeria hirtula* Karst.

Perith. libera, sphaeroidea, atra, ostiolo minuto, pilosula. Sporae 4—6:rae, oblongatae, 3-septatae, fuscae, long. 21—30, cr. 7—8 mm.
Mustiala, på Rub. id., d. 8 Maj 1866.

Fig. 140 (FH 00785817)

Lachnea P. Karst., Fungi Fenn. Exs., Cent. 9: no. 826, 1869, nom. inval., Art. 38.1(a).

≡ *Peziza* sect. *Lachnea* P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 123, 192, 1869.

≡ *Lachnea* (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 249, 1870 [1871], nom. illeg., Art. 53.1, homonym, non *Lachnaea* L. 1753 (*Thymelaeaceae*).

Notes: This is an invalid new genus name, a nomen nudum with no direct or indirect reference to a potential basionym. It was later validated.

Lachnea brunneola (Desm.) P. Karst., Fungi Fenn. Exs., Cent. 9: no. 826, 1869, nom. inval., Art. 35.1.

≡ *Peziza brunneola* Desm., Pl. Crypt. N. France Ed. 1, Fasc. 24: no. 1156, 1842 [Ann. Sci. Nat., Bot. Sér. 2, 17: 96, 1842].

≡ ***Brunnipila brunneola*** (Desm.) Baral, in Læssøe & Petersen, Index Fungorum 369: 1, 2018.

[Full synonymy, see <https://www.mycobank.org/MB/555351>]

Notes: This is an invalid new combination as the generic name was not yet validly published at that time (fig. 141).

826. *Lachnea brunneola* (Desm.)
Runsala, på ekblad, Sept.

Fig. 141 (FH 00785818)

Peziza myrtilina P. Karst., Fungi Fenn. Exs., Cent. 9: no. 827, 1869.

≡ ***Pezicula myrtilina*** (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 19: 165, 1871.

[Full synonymy, see <https://www.mycobank.org/MB/181634>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 827 (fig. 142). Eriksson (1970: 52) designated a lectotype [K(M), Fungi Fenn. Exs. 827 ex BM].

827. *Peziza myrtilina* Karst.
Apoth. sessilia, convexa, testaceo pallida, lat. 0,4 mm.
Sporae oblongatae, 1—2-guttatae, long. 17—30, cr. 6—7
mm.
Mustiala, på torra blåbärsstjelkar, hösten 1869.

Fig. 142 (FH 00785819)

Lachnea albotestacea (Desm.) P. Karst., Fungi Fenn. Exs., Cent. 9: no. 829, 1869, nom. inval., Art. 35.1.

≡ *Peziza albotestacea* Desm. (as ‘*albo-testacea*’), Ann. Sci. Nat., Bot. Sér. 2, 19: 368, 1843.

≡ ***Albotricha albotestacea*** (Desm.) Raitviir, Scripta Mycol. 1: 40, 1970.

[Full synonymy, see <https://www.mycobank.org/MB/308447>]

Notes: This is an invalid new combination as the generic name was not yet validly published at that time (fig. 143).

829. *Lachnea albotestacea* (Desm.)
Mustiala, på Rörhven, d. 22 Maj 1868.

Fig. 143 (FH 00785821)

Sphaeria perfidiosa P. Karst., Fungi Fenn. Exs., Cent. 9: no. 830, 1869.

≡ *Gnomonia perfidiosa* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 23: 119, 1873.

[Full synonymy, see <https://www.mycobank.org/MB/847870>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 830 (fig. 144).

830. *Sphaeria perfidiosa* Karst.
Perith. erumpentia, dein libera, sphaeroidea, atra,
rostro brevi, conico. Sporae monostichae, ellipsoideae,
hyalinae, long. 6—9, cr. 3—4 mm.
Mustiala, på gräs, 30 Maj 1869.

Fig. 144 (FH 00785822)

Niptera graminis (Desm.) P. Karst., Fungi Fenn. Exs., Cent. 9: no. 831, 1869 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 247, 1870 [1871].

≡ *Peziza graminis* Desm., Pl. Crypt. N. France Ed. 1, Fasc. 22: no. 1066, 1841 [Ann. Sci. Nat., Bot. Sér. 2, 15: 133, 1842].

[Full synonymy, see <https://www.mycobank.org/MB/653459>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 831 (fig. 145).

831. *Niptera graminis* (Desm.)
Mustiala, på Poa caesia, 30 Aug. 1868.

Fig. 145 (FH 00785823)

Helotium chrysophthalmum (Pers.) P. Karst., Fungi Fenn. Exs., Cent. 9: no. 832, 1869 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 242, 1870 [1871]; Bidrag Kännedom Finlands Natur Folk 19: 155, 1871].
 ≡ *Peziza chrysophthalma* Pers. (as '*chrysophthalma*'), Mycol. Eur. 1: 259, 1822.
 ≡ ***Lachnellula chrysophthalma*** (Pers.) P. Karst., Meddeland. Soc. Fauna Fl. Fenn. 11: 138, 1884.
 [Full synonymy, see <https://www.mycobank.org/MB/179219>]
 Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 832 (fig. 146).

832. *Helotium chrysophthalmum* (Pers.)
 Mustiala, på granved, Juli.

Fig. 146 (FH 00785824)

Phacidium epilobii P. Karst., Fungi Fenn. Exs., Cent. 9: no. 833, 1869.
 ≡ *Trochila epilobii* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 19: 250, 1871.
 ≡ ***Naeviopsis epilobii*** (P. Karst.) B. Hein, Willdenowia, Beih. 9: 71, 1976.
 [Full synonymy, see <https://www.mycobank.org/MB/318472>]
 Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 833 (fig. 147). A lectotype (UPS, Fungi Fenn. Exs. 833) was designated by Hein (1976: 71).

833. *Phacidium Epilobii* Karst.
 Apoth. applanata, demum in lacinias 4 fatiscentia,
 flavo-testacea, lat. 0,4 mm. Sporae sphaeroideo-ellipsoideae,
 simplices, long. 15—17, cr. 8 mmm.
 Vid Kola i ryska Lappmarken, på Epil. ang., Juli 1861.

Fig. 147 (FH 00785825)

Orbilia rubella (Pers.) P. Karst., Fungi Fenn. Exs., Cent. 9: no. 834, 1869 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 248, 1870 [1871]; Bidrag Kännedom Finlands Natur Folk 19: 102, 1871].
 ≡ *Peziza rubella* Pers., Syn. Meth. Fung. 2: 635, 1801, nom. sanct. [Fr., Syst. Mycol. 2(1): 141, 1822].
 [Full synonymy, see <https://www.mycobank.org/MB/219340>]
 Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 834 (fig. 148).

834. *Orbilia rubella* (Pers.)
 Mustiala, på videbark, Sept.

Fig. 148 (FH 00785826)

Lachnea callimorpha P. Karst., Fungi Fenn. Exs., Cent. 9: no. 835, 1869, nom. inval., Art. 35.1.
 ≡ *Lachnea callimorpha* P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 250, 1870 [1871].
 ≡ ***Lachnum callimorphum*** (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 19: 173, 1871.
 [Full synonymy, see <https://www.mycobank.org/MB/225135>]
 Notes: This is an invalid new combination as the generic name was not yet validly published at that time (fig. 149). It was later validated.

835. *Lachnea callimorpha* Karst.
 Apoth. subsessilia, albotomentosa, epithecio luteo.
 Sporae fusioideo-filiformes, guttatae, long. 17—20, cr. 2 mmm.
 Mustiala, på blad af Car. eric., Maj 1869.

Fig. 149 (FH 00785827)

Helotium cyathodeum (Bull.) P. Karst., Fungi Fenn. Exs., Cent. 9: no. 836, 1869 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 237, 1870 [1871]; Bidrag Kännedom Finlands Natur Folk 19: 136, 1871], nom. illeg., Art. 53.1, homonym, non *Helotium cyathodeum* De Not. 1864.
 ≡ *Peziza cyathodea* Bull., Herb. France 9(104): Pl. 416, fig. 3, 1789, nom. sanct. [Fr., Syst. Mycol. 2(1): 124, 1822].

≡ *Cyathicula cyathoidea* (Bull.) Thüm., Fungi Austr. Exs., Cent. 12: no. 1115, 1874.

[Full synonymy, see <https://www.mycobank.org/MB/207893>]

Notes: This is a new combination validly but illegitimately published on the label of Karsten, Fungi Fenn. Exs. 836 (fig. 150).

836. *Helotium cyathoideum* (Bull.)
Mustiala, på torra örtstjelkar, Maj.

Fig. 150 (FH 00785828)

Helotium abietis P. Karst., Fungi Fenn. Exs., Cent. 9: no. 837, 1869 [Bidrag Kännedom Finlands Natur Folk 19: 154, 1871; Not. Sällsk. Fauna Fl. Fenn. Förh. 13: 234, 1873].

≡ *Lachnellula abietis* (P. Karst.) Dennis, Persoonia 2(1): 183, 1962, nom. inval., Art. 41.8.

≡ ***Lachnellula abietis*** (P. Karst.) Dennis ex J.K. Mitch. & Bensch, **comb. nov.** MB 848931.

[Basionym: *Helotium abietis* P. Karst., Fungi Fenn. Exs., Cent. 9: no. 837, 1869.]

Lectotype: [Finland,] Mustiala, på grenar af Gran [branches of *Picea abies*], våren [spring] 1869, [P. A. Karsten, Fungi Fenn. Exs. 837] (H 6003820, designated by Dharne 1965: 139).

[Full synonymy, see <https://www.mycobank.org/MB/848931>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 837 (fig. 151). The combination *Lachnellula abietis* was proposed by Dennis (1962: 183), who referred to the first part of *Mycologia Fennica* (Karsten 1871a: 154) as the place of valid publication of *Helotium abietis* when making the combination in *Lachnellula*. Because Dennis did not cite a type or make a full and direct citation to one and Karsten (l.c.) clearly cites his earlier publication in *Fungi Fenniae Exsiccati*, none of the provisions of Art. 41.8 apply and this combination is invalidly published; we validate it here.

837. *Helotium Abietis* Karst.
H. calycino simile, sed apoth. magis villosa, sporae long. 11—14, cr. 3 mmm.
Mustiala, på grenar af Gran, våren 1869.

Fig. 151 (FH 00785829)

Propolis sorbina P. Karst., Fungi Fenn. Exs., Cent. 9: no. 839, 1869.

≡ ***Karstenia sorbina*** (P. Karst.) Fr. ex P. Karst., Acta Soc. Fauna Fl. Fenn. 2(6): 166, 1885.

[Full synonymy, see <https://www.mycobank.org/MB/180185>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 839 (fig. 152).

839. *Propolis sorbina* Karst.
Apoth. cortici immersa, clausa, deinde lacero-dehiscencia, epithecio fulvescente. Sporae bacillares, septatae, hyalinae, long. 38—62, cr. 3—4 mmm.
Helsingfors, på Rönn, i Sept.

Fig. 152 (FH 00785831)

Tympanis amphibola (A. Massal.) P. Karst., Fungi Fenn. Exs., Cent. 9: no. 840, 1869 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 252, 1870 [1871]; Bidrag Kännedom Finlands Natur Folk 19: 230, 1871].

≡ ***Pragmopora amphibola*** A. Massal., Framm. Lichenogr.: 13, 1855.

[Full synonymy, see <https://www.mycobank.org/MB/225873>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 840 (fig. 153).

840. *Tympanis amphibola* (Mass.)
Mustiala, på tallbark.

Fig. 153 (FH 00785832)

Phacidium arctostaphyli P. Karst., Fungi Fenn. Exs., Cent. 9: no. 843, 1869 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 256, 1870 [1871], nom. illeg., Art. 52.1.

≡ *Stictis phacidioides* Fr., Syst. Mycol. 2(1): 198, 1822, nom. sanct. [Fr., l.c.].

≡ ***Marthamyces phacidioides*** (Fr.) Minter, Mycotaxon 87: 51, 2003.

[Full synonymy, see <https://www.mycobank.org/MB/488897>]

Notes: This is a superfluous replacement name validly published on the label of Karsten, Fungi Fenn. Exs. 843 (fig. 154). The epithet was presumably changed to avoid a perceived tautonym.

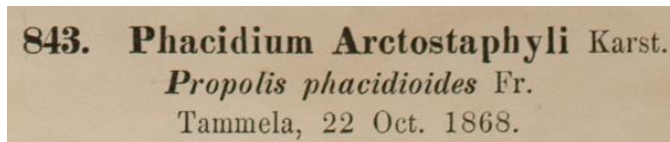


Fig. 154 (FH 00785835)

Phacidium macrosporum P. Karst., Fungi Fenn. Exs., Cent. 9: no. 844, 1869 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 256, 1870 [1871].

≡ *Niptera bispora* Baral, Acta Univ. Upsal., Symb. Bot. Upsal. 36(2): 194, 2014, nom. inval., Art. 41.8.

≡ ***Niptera bispora*** Baral, **nom. nov.** MB 849033.

[Replaced synonym: *Phacidium macrosporum* P. Karst., Fungi Fenn. Exs., Cent. 9: no. 844, 1869.]

Syntypes: [Finland,] Mustiala, på blad af *Car. vesic.* [leaves of *Carex vesicaria*], Nov. [November], [P.A. Karsten, Fungi Fenn. Exs. 844] (e.g., H 6052013, UPS s.n., FH 00785836, S F86697)

[Full synonymy, see <https://www.mycobank.org/MB/849033>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 844 (fig. 155). The replacement name *Niptera bispora* was proposed by Baral in Eriksson (2014: 194), who referred to the first part of *Symbolae ad Mycologiam Fennicam* (Karsten 1870: 256) as the place of valid publication of *Phacidium macrosporum* when proposing the replacement name in *Niptera*. Because Baral did not cite a type or make a full and direct citation to one and Karsten (l.c.) clearly cites his earlier publication in *Fungi Fenniae Exsiccati*, none of the provisions of Art. 41.8 apply and this replacement name is invalidly published; it is validated here.

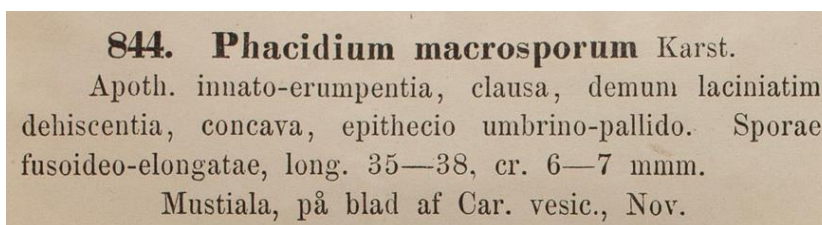


Fig. 155 (FH 00785836)

Trochila diminuens P. Karst., Fungi Fenn. Exs., Cent. 9: no. 851, 1869 [Bidrag Kännedom Finlands Natur Folk 19: 248, 1871].

≡ ***Hysteropezizella diminuens*** (P. Karst.) Nannf., Nova Acta Regiae Soc. Sci. Upsal. Ser. 4 8(2): 114, 1932.

[Full synonymy, see <https://www.mycobank.org/MB/263221>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 851 (fig. 156).

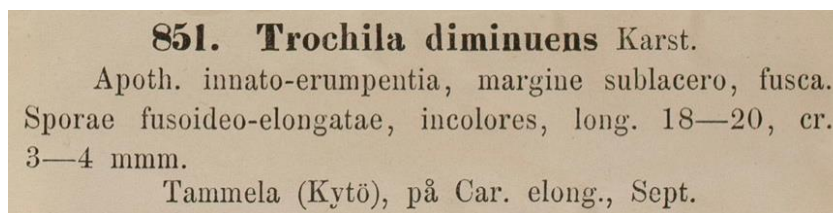


Fig. 156 (FH 00785843)

Sphaeria praetermissa P. Karst., Fungi Fenn. Exs., Cent. 9: no. 852, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 89, 1873].

≡ *Paraleptosphaeria praetermissa* (P. Karst.) Gruyter, Aveskamp & Verkley, in Gruyter et al., Stud. Mycol. 75: 21, 2012 [2013], nom. inval., Art. 41.8.

≡ ***Paraleptosphaeria praetermissa*** (P. Karst.) Gruyter, Aveskamp & Verkley, **comb. nov.** MB 848932.

[Basionym: *Sphaeria praetermissa* P. Karst., Fungi Fenn. Exs., Cent. 9: no. 852, 1869.]

Syntypes: [Finland,] Mustiala, på Hallonörten [*Rubus idaeus* or *Rubus odoratus*], 17 Oct. [October] 1866, [P.A. Karsten, Fungi Fenn. Exs. 852] (e.g., H 6051811, UPS s.n., FH 00785844)

[Full synonymy, see <https://www.mycobank.org/MB/848932>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 852 (fig. 157). The combination *Paraleptosphaeria praetermissa* was proposed by Gruyter et al. (2012: 121), who referred to the second part of *Mycologia Fennica* (Karsten 1873a: 89) as the place of valid publication of *Sphaeria praetermissa* when making the combination in *Paraleptosphaeria*. Because Gruyter et al. did not cite a type or make a full and direct citation to one and Karsten (l.c.) clearly cites his earlier publication in *Fungi Fenniae Exsiccati*, none of the provisions of Art. 41.8 apply and this combination is invalidly published; it is validated here.

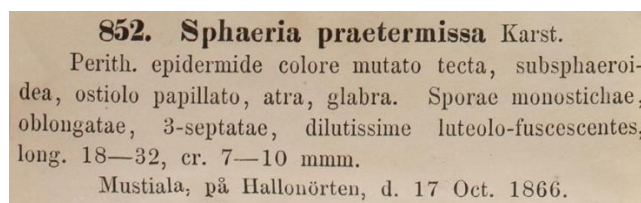


Fig. 157 (FH 00785844)

Sphaeria emergens P. Karst., Fungi Fenn. Exs., Cent. 9: no. 853, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 93, 1873], nom. illeg., Art. 53.1, homonym, non *Sphaeria emergens* Schwein. 1832.

≡ *Zignoella emergens* Sacc., Michelia 1(3): 346, 1878.

≡ ***Keissleriella emergens*** (Sacc.) S.K. Bose, Phytopathol. Z. 41(2): 191, 1961.

[Full synonymy, see <https://www.mycobank.org/MB/332719>]

Notes: This is an illegitimate name published on the label of Karsten, Fungi Fenn. Exs. 853 (fig. 158). Aptroot (1998: 149) designated a 'lectotype' (H 6052586), but the specimen so designated was collected in 1870, the year after the publication of the name *Sphaeria emergens* P. Karst., and so is not original material; this typification must be corrected to designation of a neotype. Original material does still exist, though, so this type may be superseded.

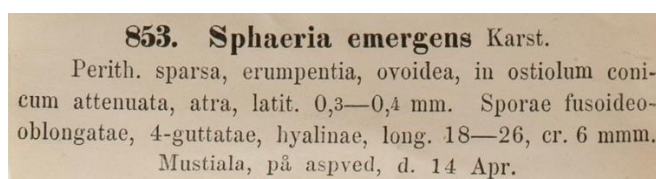


Fig. 158 (FH 00785845)

Ceratostoma depressulum P. Karst., Fungi Fenn. Exs., Cent. 9: no. 854, 1869.

≡ *Gnomonia depressula* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 23: 121, 1873.

≡ *Sydowiella depressula* (P. Karst.) M.E. Barr, Mycol. Mem. 7: 159, 1978.

≡ ***Sydowiella depressula*** (P. Karst.) M.E. Barr ex J.K. Mitch. & Bensch, **comb. nov.** MB 848933.

[Basionym: *Ceratostoma depressulum* P. Karst., Fungi Fenn. Exs., Cent. 9: no. 854, 1869.]

Syntypes: [Finland,] Mustiala, på *Rub. idaeus* [*Rubus idaeus*], [P. A. Karsten, Fungi Fenn. Exs. 854] (e.g., H 6052027, UPS s.n., FH 00785846, S F109228).

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 854 (fig. 159). The combination *Sydowiella depressula* was proposed by Barr (1978: 159), who referred to the publication of *Gnomonia depressula* in the second part of *Mycologia Fennica* (Karsten 1873a: 121) as the basionym when making the combination in *Sydowiella*. Because Barr did not cite a type or make a full and direct citation to one and Karsten (l.c.) clearly cites his earlier publication in *Fungi*

Fenniae Exsiccati, none of the provisions of Art. 41.8 apply and this combination is invalidly published; we validate it here.

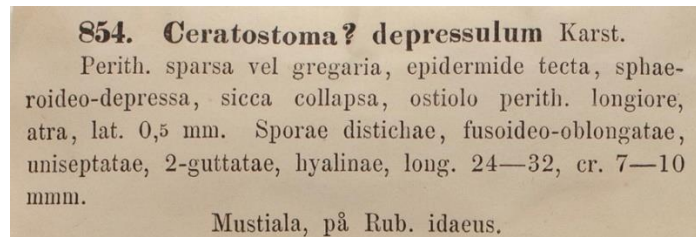


Fig. 159 (FH 00785846)

Cucurbitaria pulveracea P. Karst., Fungi Fenn. Exs., Cent. 9: no. 855, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 62, 1873].

[Full synonymy, see <https://www.mycobank.org/MB/216186>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 855 (fig. 160).

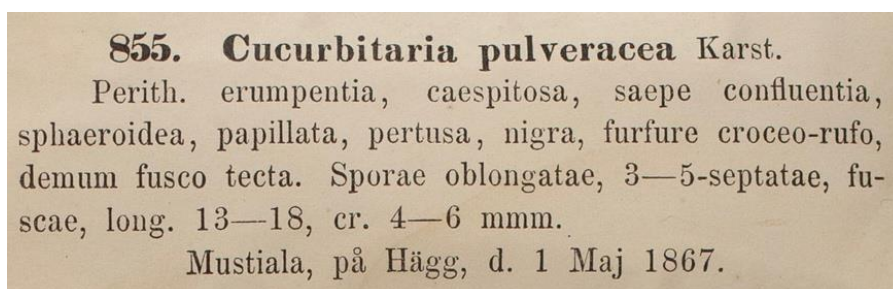


Fig. 160 (FH 00785847)

Calosphaeria idaeicola P. Karst., Fungi Fenn. Exs., Cent. 9: no. 856, 1869.

≡ *Gnomonia idaeicola* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 23: 126, 1873.

≡ *Gnomoniopsis idaeicola* (P. Karst.) D.M. Walker, in Walker et al., Mycologia 102(6): 1490, 2010.

[Full synonymy, see <https://www.mycobank.org/MB/515711>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 856 (fig. 161). Walker et al. (2010: 1492) examined original material of this species that they considered a 'holotype' (FH 00785848). Because of a lack of a statement indicating designation in that publication, this cannot be corrected to 'lectotype' and considered a lectotypification (Art. 7.11). As such, the 'epitype' they designated (BPI 879157) does not have a designated holotype, lectotype, or neotype which it supports, and has no standing.

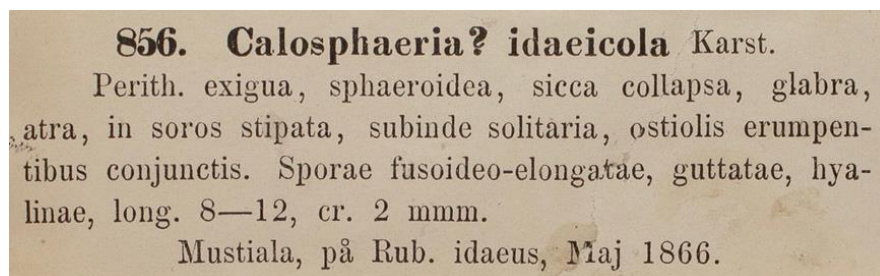


Fig. 161 (FH 00785848)

Valsa ribesia P. Karst., Fungi Fenn. Exs., Cent. 9: no. 857, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 138, 1873].

[Full synonymy, see <https://www.mycobank.org/MB/206791>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 857 (fig. 162).

857. *Valsa ribesia* Karst.

Circinata. Perith. sphaeroidea, ostiolis elongatis in discum minutum junctis, atra. Sporae elongatae, hyalinae, simplices, long. 6—9, cr. 1,5 mm.

Mustiala, på grenar af Rib. alpin.

Fig. 162 (FH 00785849)

Hysterographium conjungens P. Karst., Fungi Fenn. Exs., Cent. 9: no. 858, 1869 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 259, 1870 [1871].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 858 (fig. 163). A lectotype (H 6052569) was designated by Lohman (1939: 358).

858. *Hysterographium conjungens* Karst.

Perith. superficialia, elongata, nigra, long. 1 mm., lat. 0,3 mm. Sporae fusoido-oblongatae, uniseptatae, fuscae, long. 28—38, cr. 9—12 mm.

Mustiala, på tallbark, Maj.

Fig. 163 (FH 00785850)

Ceratostoma subrostratum P. Karst., Fungi Fenn. Exs., Cent. 9: no. 859, 1869.

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 859 (fig. 164).

859. *Ceratostoma subrostratum* Karst.

Perith. primo subimmersa, dein subsuperficialia, sphaeroidea, atra, laevia, rostro brevissimo conico-attenuato. Sporae fusoido-bacillares, spurie 6-9-septatae, hyalinae, long. 38—42, cr. 4—4,5 mm.

Mustiala, på aspved, d. 17 Sept.

Fig. 164 (FH 00785851)

Anthostoma microsporum P. Karst., Fungi Fenn. Exs., Cent. 9: no. 860, 1869.

≡ *Phaeosperma microsporum* (P. Karst.) P. Karst. (as '*microspora*'), Bidrag Kännedom Finlands Natur Folk 23: 54, 1873 [Not. Sällsk. Fauna Fl. Fenn. Förh. 13: 240, 1873].

≡ *Camaropella microspora* (P. Karst.) S.K. Huang & K.D. Hyde, in Huang et al., Fungal Diversity 111: 474, 2021.

[Full synonymy, see <https://www.mycobank.org/MB/558249>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 860 (fig. 165). A lectotype (H 6052040) was designated by Nannfeldt (1972: 364, as '*holotype*').

860. *Anthostoma? microsporum* Karst.

Stroma erumpens, pulvinatum, atratum, saepe confluens. Perith. omnino immersa, ostiolis exsertis, integris. Sporae monostichae, fuscidulae, 2-guttatae, long. 5—6, cr. 2—3 mm.

Tammela, på Alnus, Oct.

Fig. 165 (FH 00785852)

Sphaeria crustacea P. Karst., Fungi Fenn. Exs., Cent. 9: no. 865, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 95, 1873], nom. illeg., Art. 53.1, homonym, non *Sphaeria crustacea* Sowerby 1803.

≡ *Zignoella crustacea* Sacc., Syll. Fung. 2: 220, 1883.

≡ *Chaetosphaeria crustacea* (Sacc.) Réblová & W. Gams, Czech Mycol. 51(1): 12, 1999.

Notes: This is an illegitimate name published on the label of Karsten, Fungi Fenn. Exs. 865 (fig. 166). Réblová and Gams (1999: 17) designated a lectotype (H 6034088).

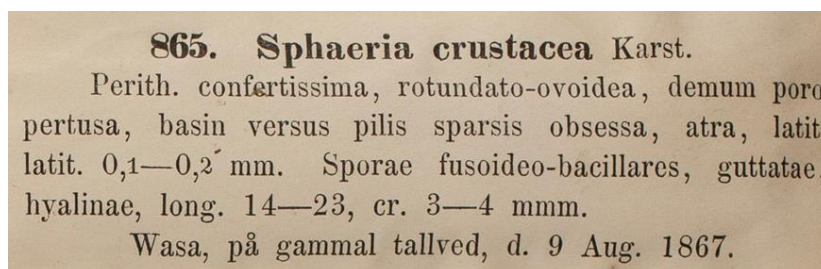


Fig. 166 (FH 00785857)

Gnomonia alniella P. Karst., Fungi Fenn. Exs., Cent. 9: no. 867, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 119, 1873; Not. Sällsk. Fauna Fl. Fenn. Förh. 13: 223, 1873].

≡ *Apiognomonia alniella* (P. Karst.) Höhn., Hedwigia 62: 49, 1920 [1921].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 867 (fig. 167).

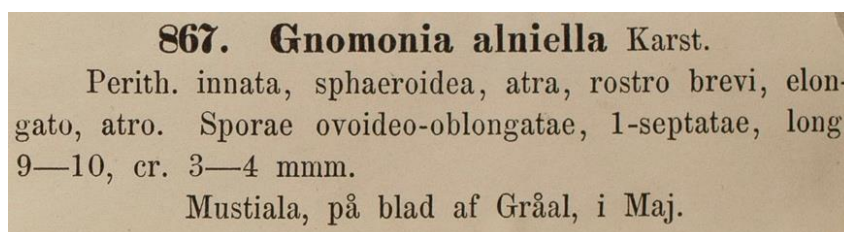


Fig. 167 (FH 00785859)

Sphaerella macularis (Fr.) Auersw., in Gonn. & Rabenh., Mycol. Eur. 5–6: 18, 1869 [Karsten, Fungi Fenn. Exs., Cent. 9: no. 868, 1869].

≡ *Sphaeria macularis* Fr., Observ. Mycol. 1: 186, 1815, nom. sanct. [Fr., Syst. Mycol. 2(2): 502, 1823].

≡ *Venturia macularis* (Fr.) E. Müll. & Arx, Ber. Schweiz. Bot. Ges. 60: 366, 1950.

[Full synonymy, see <https://www.mycobank.org/MB/307715>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 868 (fig. 168). It was, however, published in the same year by Auerswald in Gonnermann & Rabenhorst (1869: 18) and it is unclear which has priority.

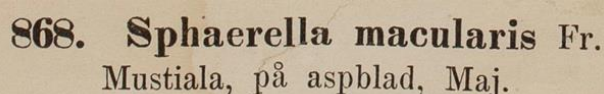


Fig. 168 (FH 00785860)

Gnomonia comari P. Karst., Fungi Fenn. Exs., Cent. 9: no. 869, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 122, 1873].

≡ *Gnomonia chamaemori* subsp. *comari* (P. Karst.) P. Karst. (as '*Gnomonia Chamaemori* * *Gn. Comari*'), Not. Sällsk. Fauna Fl. Fenn. Förh. 13: 222, 1873.

≡ *Gnomoniopsis comari* (P. Karst.) Sogonov, in Sogonov et al., Stud. Mycol. 62: 47, 2008, nom. inval., Art. 41.8.

≡ *Gnomoniopsis comari* (P. Karst.) Sogonov, in Walker et al., Mycologia 102(6): 1487, 2010.

[Full synonymy, see <https://www.mycobank.org/MB/848238>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 869 (fig. 169). A lectotype [K(M) 157111] was designated by Walker et al. (2010: 1489). The combination *Gnomoniopsis comari* was proposed by Sogonov in Sogonov et al. (2008: 47), who referred to the publication of *Gnomonia comari* in the second part of *Mycologia Fennica* (Karsten 1873a: 122) as the basionym when making the combination in *Gnomoniopsis*. Because Sogonov did not cite a type or make a full and direct citation to one and Karsten (l.c.) clearly cites his earlier publication in *Fungi*

Fenniae Exsiccati, none of the provisions of Art. 41.8 apply and this combination is invalidly published. The name was inadvertently validated by Walker et al. (2010: 1487) when they listed the name, again citing Karsten's later Latin description as the place of valid publication of *Gnomonia comari*, but also designated a lectotype, giving the name all necessary components for publication of a new species and thus satisfying Art. 41.8(d).

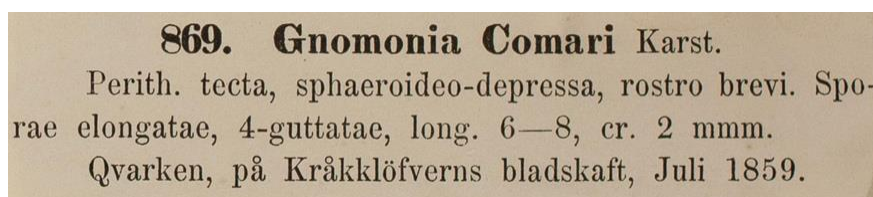


Fig. 169 (FH 00785861)

Nectria cinnabarina subsp. *tiliae* P. Karst. (as '* *tiliae*'), Fungi Fenn. Exs., Cent. 9: no. 870, 1869 [Not. Sällsk. Fauna Fl. Fenn. Förh. 13: 241, 1873].

≡ *Nectria cinnabarina* var. *tiliae* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 23: 213, 1873.

Notes: This is a new subspecies name validly published on the label of Karsten, Fungi Fenn. Exs. 870 (fig. 170).

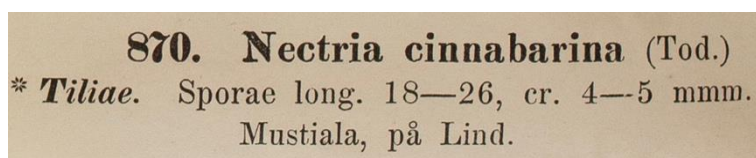


Fig. 170 (FH 00785862)

Sphaeria salicaria P. Karst., Fungi Fenn. Exs., Cent. 9: no. 871, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 95, 1873].

[Full synonymy, see <https://www.mycobank.org/MB/179930>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 871 (fig. 171).

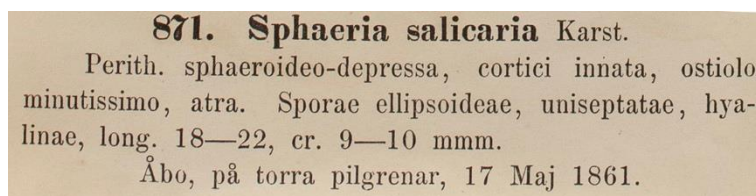


Fig. 171 (FH 00785863)

Diaporthe alniella P. Karst., Fungi Fenn. Exs., Cent. 9: no. 872, 1869.

≡ *Enchnoa alniella* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 23: 198, 1873.

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 872 (fig. 172).

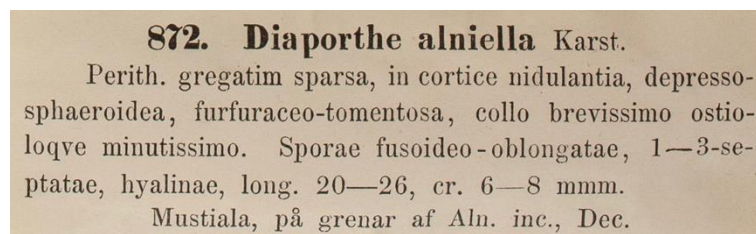


Fig. 172 (FH 00785864)

Diaporthe transversalis P. Karst., Fungi Fenn. Exs., Cent. 9: no. 873, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 113, 1873].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 873 (fig. 173).

873. Diaporthe transversalis Karst.

Stroma valseum, disco ellipsoideo, nigro. Perith. in cortice immutato nidulantia, ostiolis plus minus exsertis. Sporae fusoideo-elongatae, 1—3-septatae, long. 12—14, cr. 2,5—3 mmm.

Åbo, på björkgrenar, 6 Maj 1861.

Fig. 173 (FH 00785865)

Sphaeria corylina P. Karst., Fungi Fenn. Exs., Cent. 9: no. 874, 1869.

≡ *Otthia corylina* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 23: 59, 1873.

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 874 (fig. 174).

874. Sphaeria corylina Karst.

Perith. caespitosa, sphaeroidea, papillata, atra. Sporae monostichae, uniseptatae, fuscae, long. 22—33, cr. 11—14 mmm.

Fig. 174 (FH 00785866)

Sphaeria pygmaea P. Karst., Fungi Fenn. Exs., Cent. 9: no. 875, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 93, 1873].

≡ *Gongromeriza pygmaea* (P. Karst.) Réblová, Stud. Mycol. 103(1): 199, 2022.

[Full synonymy, see <https://www.mycobank.org/MB/846731>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 875 (fig. 175).

875. Sphaeria pygmaea Karst.

Perith. gregaria, ovoideo-rotundata, papillata, nigra, glabra. Sporae oblongatae, guttulatae, hyalinae, long. 5—8, cr. 2—2,5 mmm.

Mustiala, på gammal ved, 7 Apr. 1866.

Fig. 175 (FH 00785867)

Hypomyces bombycinus P. Karst. (as ‘*bombacinus*’), Fungi Fenn. Exs., Cent. 9: no. 877, 1869, nom. inval., Art. 38.1(a).

Notes: This is an invalidly published name, a *nomen nudum* (fig. 176). Apparently intended as the publication of a teleomorph, as Karsten attributed the name to himself and listed *Institale bombycina* as the ‘forma conidiifera’. Karsten (1873a: 210 & 1873b: 243) later introduced the combination *Hypomyces bombycinus* (Fr. ex Weinm.) P. Karst. with the statements ‘perithecium nondum inventa’ and ‘fungus ascophorus ignotus,’ suggesting that he changed his mind about finding a teleomorph. Rogerson & Samuel (1993: 248–9) suggest that this is the modified subiculum of the species they call *Hypomyces chrysostomus* (≡ *Sporophagomyces chrysostomus*).

877. Hypomyces bombacinus Karst.

Forma conidiifera: *Institale bombacina* Fr.

Tammerfors, på Polyp. trabeus, Oct. 1860.

Fig. 176 (FH 00785869)

Hypocrea atrata P. Karst., Fungi Fenn. Exs., Cent. 9: no. 878, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 207, 1873; Not. Sällsk. Fauna Fl. Fenn. Förh. 13: 244, 1873].

= *Trichoderma citrinoviride* Bissett, Canad. J. Bot. 62(5): 926, 1984, nom. prot.

[Full synonymy, see <https://www.mycobank.org/MB/107345>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 878 (fig. 177). Samuels (2014: 936–7) proposed the conservation of *Trichoderma citrinoviride* against a number of teleomorph-typified names but did not include *Hypocrea atrata* explicitly due to the mistaken assumption that it was first published in the second part of *Mycologia Fennica* by Karsten (1873a: 207), making the name appear to be an illegitimate superfluous renaming of *Hypocrea repanda* Fuckel. As the proposal was modified from conservation to protection, *Trichoderma citrinoviride* has to be treated as conserved against any competing listed or unlisted synonyms (Art. F.2.1).

878. *Hypocrea atrata* Karst.
Undulata, olivaceo-atra, intus alba. Perith. atra.
Sporae diam. 4 mmm.
Mustiala, på gammal ved, 25 Aug. 1866.

Fig. 177 (FH 00785870)

Cucurbitaria rubicola P. Karst., Fungi Fenn. Exs., Cent. 9: no. 879, 1869.

≡ *Fenestella princeps* subsp. *rubicola* (P. Karst.) P. Karst. (as '*Fenestrella princeps* * *F. rubicola*'),
Bidrag Kännedom Finlands Natur Folk 23: 63, 1873.

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 879 (fig. 178).

879. *Cucurbitaria rubicola* Karst.
Perith. subsphaeroidea, dein perforata, atra, villo
fusco obsessa. Sporae oblongatae, murali-divisae, fuscae,
long. 32—42, cr. 13—17 mmm.
Mustiala, på Rub. id., 17 Oct. 1866.

Fig. 178 (FH 00785871)

Amphisphaeria sapinea P. Karst., Fungi Fenn. Exs., Cent. 9: no. 880, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 56, 1873].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 880 (fig. 179).

880. *Amphisphaeria sapinea* Karst.
Perith. sphaeroidea, fusco-atra, ostiolo papillato. Spo-
rae monostichae, ellipsoideae, uniseptatae, fuscae, long.
34—44, cr. 16—22 mmm.
Mustiala, på tallbark, Sept.
Obs. Socia obvia *Diplodia sapinea* (Fr.)

Fig. 179 (FH 00785872)

Diplodia sapinea (Fr.) P. Karst., Fungi Fenn. Exs., Cent. 9: no. 880, 1869.

≡ *Sphaeria sapinea* Fr., Syst. Mycol. 2(2): 491, 1823, nom. sanct. [Fr., l.c.].

[Full synonymy, see <https://www.mycobank.org/MB/146913>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 880 (fig. 179). It was later also proposed by Fuckel (1870: 393).

Rebentischia P. Karst., Fungi Fenn. Exs., Cent. 9: no. 881, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 14, 1873].

Notes: This is a new genus name validly published on the label of Karsten, Fungi Fenn. Exs. 881 (fig. 180).

881. *Rebentischia* n. gen.
Perith. carbonacea, glabra. Asci anguste clavati. Spo-
rae 8-nae, clavatae, distichae, septatae, fusciculatae, loculo
imo, caudiformi, hyalino.
R. pomiformis Karst.
Perith. sparsa, superficialia, subsphaeroidea, vulgo
papillata, demum saepe collapsa, atra. Sporae 4-septatae,
long. 30—36, cr. 6—8 mmm.
Åbo, på lönnbark, 7 Apr. 1861.

Fig. 180 (FH 00785873)

Rebentischia pomiformis P. Karst., Fungi Fenn. Exs., Cent. 9: no. 881, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 97, 1873].

= ***Rebentischia massalongoi*** (Mont.) Sacc. (as '*Massalongi*'), Consp. Gen. Pyrenomyc: 12, 1875.

[Full synonymy, see <https://www.mycobank.org/MB/533330>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 881 (fig. 180). Boonmee et al. (2014: 287) examined original material of this species that they considered a 'holotype' (FH 00785873; the reference to the 'Herbarium of F. Theissen' is apparently an error). Because of a lack of a statement indicating designation in that publication, this cannot be corrected to 'lectotype' and considered a lectotypification (Art. 7.11).

Pleospora eleocharidis P. Karst. (as '*heleocharidis*'), Fungi Fenn. Exs., Cent. 9: no. 882, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 72, 1873].

[Full synonymy, see <https://www.mycobank.org/MB/529176>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 882 (fig. 181).

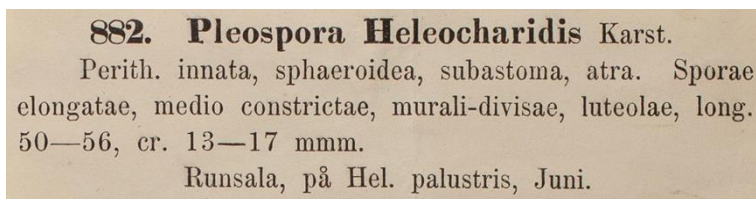


Fig. 181 (FH 00785874)

Sphaeria fennica P. Karst., Fungi Fenn. Exs., Cent. 9: no. 883, 1869.

≡ *Melanconis fennica* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 23: 75, 1873.

[Full synonymy, see <https://www.mycobank.org/MB/847901>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 883 (fig. 182).

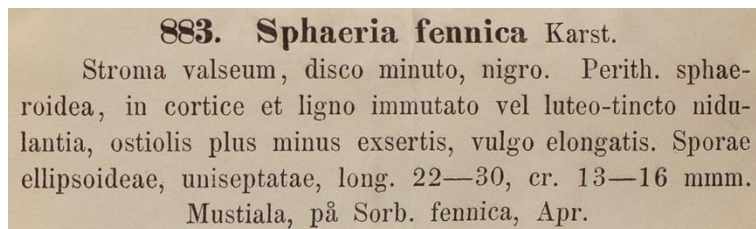


Fig. 182 (FH 00785875)

Lophiostoma crenatum subsp. *viburni* P. Karst. (as '* *viburni*'), Fungi Fenn. Exs., Cent. 9: no. 885, 1869.

Notes: This is a new subspecies name validly published on the label of Karsten, Fungi Fenn. Exs. 885 (fig. 183).

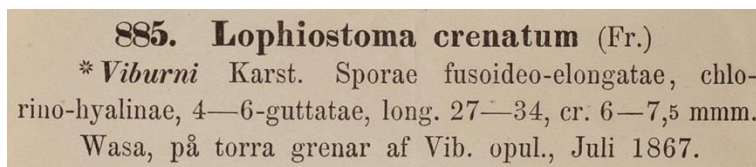


Fig. 183 (FH 00785877)

Lophiostoma crenatum subsp. *rosae* P. Karst. (as '* *rosae*'), Fungi Fenn. Exs., Cent. 9: no. 886, 1869.

Notes: This is a new subspecies name validly published on the label of Karsten, Fungi Fenn. Exs. 886 (fig. 184).

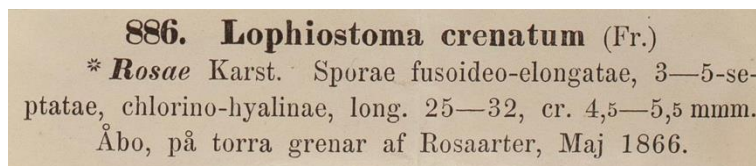


Fig. 184 (FH 00785878)

Lasiosphaeria heterostoma P. Karst., Fungi Fenn. Exs., Cent. 9: no. 887, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 162, 1873].

≡ *Echinosphaeria heterostoma* (P. Karst.) Huhndorf & A.N. Mill., in Miller et al., Mycologia 106(3): 509, 2014.

[Full synonymy, see <https://www.mycobank.org/MB/805973>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 887 (fig. 185). Miller et al. (2014: 509) examined original material of this species that they considered a 'holotype' (H 6034100). Because of a lack of a statement indicating designation in that publication, this cannot be corrected to 'lectotype' and considered a lectotypification (Art. 7.11).

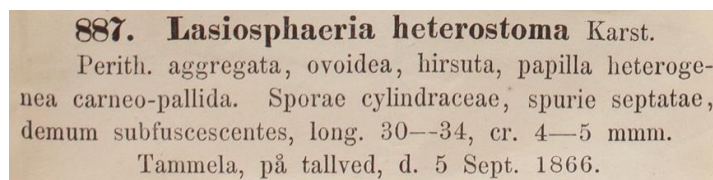


Fig. 185 (FH 00785879)

Leptosphaeria ptarmicae P. Karst., Fungi Fenn. Exs., Cent. 9: no. 888, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 102, 1873].

[Full synonymy, see <https://www.mycobank.org/MB/197145>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 888 (fig. 186).

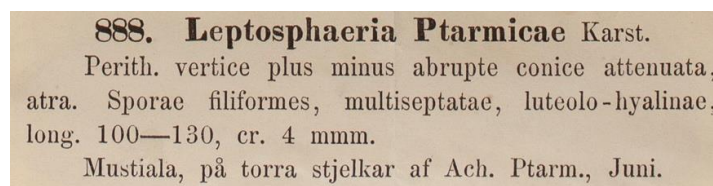


Fig. 186 (FH 00785880)

Calosphaeria consobrina P. Karst., Fungi Fenn. Exs., Cent. 9: no. 890, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 158, 1873].

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 890 (fig. 187).

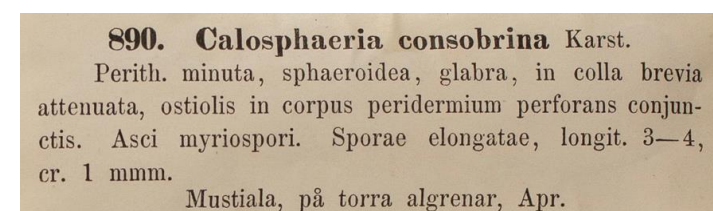


Fig. 187 (FH 00785882)

Sphaeria holmskjöldii P. Karst. (as '*Holmskjöldi*'), Fungi Fenn. Exs., Cent. 9: no. 891, 1869 [(as '*Holmskjoeldii*'), Bidrag Kännedom Finlands Natur Folk 23: 91, 1873].

≡ *Leptosphaeria holmskjöldii* (P. Karst.) Chi Y. Chen & W.H. Hsieh (as '*holmskjoeldii*'), in Chen et al., I.M.I. Descript. Fungi Bact. 154(1535): [1], 2002.

[Full synonymy, see <https://www.mycobank.org/MB/521594>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 891 (fig. 188).

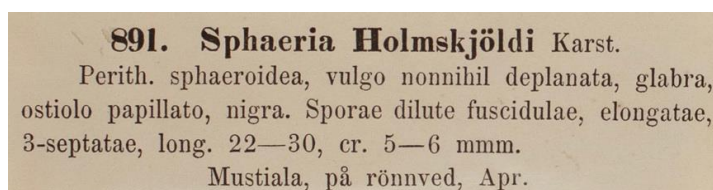


Fig. 188 (FH 00785883)

Cucurbitaria chevalieri P. Karst., Fungi Fenn. Exs., Cent. 9: no. 892, 1869.

≡ *Teichospora chevalieri* (P. Karst.) P. Karst. (as '*Chevalierii*'), Bidrag Kännedom Finlands Natur Folk 23: 66, 1873.

[Full synonymy, see <https://www.mycobank.org/MB/847906>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 892 (fig. 189).

892. *Cucurbitaria Chevalieri* Karst.

Perith. subsphaeroidea vel subovoidea, fere astoma, glabra, atra. Sporae oblongatae, 3-septatae, loculo subultimo vulgo longitudinaliter diviso, dilute fuscidulae, long. 20—28, cr. 8—10 mmm.

Mustiala, på björkved, Apr.

Fig. 189 (FH 00785884)

Amphisphaeria pusiola P. Karst., Fungi Fenn. Exs., Cent. 9: no. 893, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 57, 1873].

[Full synonymy, see <https://www.mycobank.org/MB/225752>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 893 (fig. 190). A lectotype (H 6057316) was designated by Aptroot (1995: 108). According to Aptroot (l.c.) this is a species of *Chaetosphaeria*.

893. *Amphisphaeria pusiola* Karst.

Perith. ovoidea vel sphaeroidea verticeqve conice attenuata, astoma, atra, glabra. Sporae fuscidulae, oblongatae, uniseptatae, long. 10—14, cr. 4 mmm.

Mustiala, på videgrenar, i Maj.

Fig. 190 (FH 00785885)

Cucurbitaria pomiformis P. Karst., Fungi Fenn. Exs., Cent. 9: no. 894, 1869.

≡ *Teichospora pomiformis* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 23: 67, 1873.

[Full synonymy, see <https://www.mycobank.org/MB/847907>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 894 (fig. 191).

894. *Cucurbitaria pomiformis* Karst.

Perith. sparsa vel gregaria, sphaeroidea, dein vertice depressa, fere astoma, atra, glabra. Sporae fere ut in *Sph. pruniformi* Nyl.

Mustiala, på lönnbark, i Maj.

Fig. 191 (FH 00785886)

Sphaerella canescens P. Karst., Fungi Fenn. Exs., Cent. 9: no. 895, 1869.

≡ *Venturia chlorospora* var. *canescens* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 23: 190, 1873.

?= *Venturia chlorospora* (Ces.) P. Karst., Fungi Fenn. Exs., Cent. 10: no. 957, 1870.

[Full synonymy, see <https://www.mycobank.org/MB/179512>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 895 (fig. 192).

895. *Sphaerella canescens* Karst.

Perith. gregaria, maculae griseae insidentia, sphaeroidea, atra, vulgo pilis sparsis obsessa. Sporae ovoideo-oblongatae, dilute luteolae, uniseptatae, long. 16—20, cr. 6 mmm.

Mustiala, på blad af *Salix acutifolia*, i Maj.

Fig. 192 (FH 00785887)

Leptosphaeria affinis P. Karst., Fungi Fenn. Exs., Cent. 9: no. 896, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 102, 1873].

[Full synonymy, see <https://www.mycobank.org/MB/162560>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 896 (fig. 193).

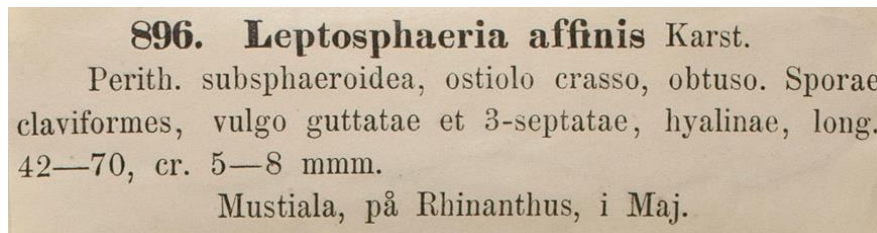


Fig. 193 (FH 00785888)

Sphaerella proximella P. Karst., Fungi Fenn. Exs., Cent. 9: no. 897, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 177, 1873].

[Full synonymy, see <https://www.mycobank.org/MB/151084>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 897 (fig. 194). A lectotype (H 6052048) was designated by Corlett & Smith (1978: 2822). Aptroot (2006: 167) states that this is morphologically indistinguishable from *Davidiella allicina* ($\equiv$ *Cladosporium allicinum*), but Bensch et al. (2012: 52) indicate that Aptroot's (l.c.) concept of this species is mixed.

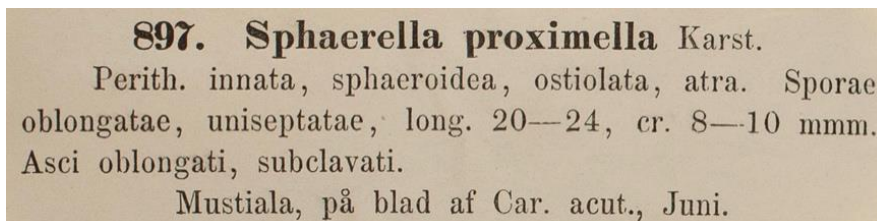


Fig. 194 (FH 00785889)

Sphaerella chamaemori P. Karst., Fungi Fenn. Exs., Cent. 9: no. 899, 1869 [Bidrag Kännedom Finlands Natur Folk 23: 173, 1873].

$\equiv$ ***Venturia chamaemori*** (P. Karst.) Arx, Acta Bot. Neerl. 6(3): 340, 1957.

[Full synonymy, see <https://www.mycobank.org/MB/307713>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 899 (fig. 195).

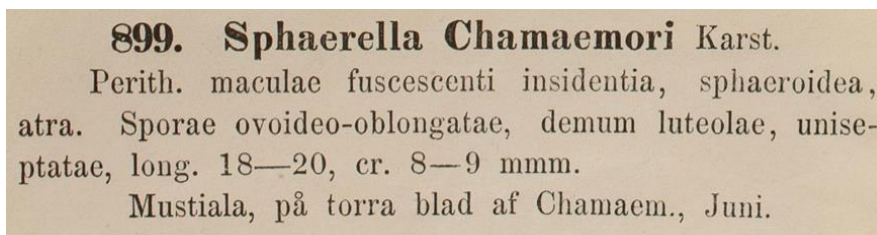


Fig. 195 (FH 00785891)

Cent. 10

Lachnum hystriculum P. Karst., Fungi Fenn. Exs., Cent. 10: no. 921, 1870 [Bidrag Kännedom Finlands Natur Folk 19: 182, 1871].

$\equiv$ ***Trichopezizella nidulus*** var. ***hystricula*** (P. Karst.) J.H. Haines, Mycologia 66(2): 222, 1974.

[Full synonymy, see <https://www.mycobank.org/MB/218499>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 921 (fig. 196). A lectotype (H 6060182) was designated by Haines (1974: 223) from material not issued in the set.

921. *Lachnum hystriculum* Karst.

Apothecia sessilia, planiuscula, pallida, pilis erectis, fuscis, confertis strigosa. Sporae fusoides-elongatae, long. 10—14, cr. 2—3 mm.

Mustiala, på blad af *Carex acuta*, Sept.

Fig. 196 (FH 00785913)

Peziza laeticolor P. Karst., Fungi Fenn. Exs., Cent. 10: no. 924, 1870 [Bidrag Kännedom Finlands Natur Folk 19: 66, 1871].

≡ *Spooneromyces laeticolor* (P. Karst.) T. Schumach. & J. Moravec, Nordic J. Bot. 9(4): 427, 1989.

[Full synonymy, see <https://www.mycobank.org/MB/125912>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 924 (fig. 197).

924. *Peziza laeticolor* Karst.

Apothecia sessilia, concavo-plana, versus marginem pilis erectis, subtilibus, dein fusciscentibus, sparsis obsessa, rubro-miniata. Sporae ellipsoideae, long. 20—23, cr. 10—12 mm.

Mustiala, på mossen, 12 Sept.

Fig. 197 (FH 00785916)

Allophylaria (P. Karst.) P. Karst., Fungi Fenn. Exs., Cent. 10: no. 927, 1870, nom. inval., Art. 41.1.

≡ *Peziza* sect. *Allophylaria* P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 10: 103, 147, 1869.

≡ *Allophylaria* (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 243, 1870 [1871], nom. inval., Art. 41.1.

≡ *Allophylaria* (P. Karst.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 13: 234, 1873.

[Full synonymy, see <https://www.mycobank.org/MB/141>]

Notes: Invalid name at new rank, no direct or indirect reference to the basionym or description (fig. 198).

927. *Allophylaria eucrita* (Nyl.)

Mustiala, på tallbark, Dec.

Fig. 198 (FH 00785919)

Allophylaria eucrita (Nyl.) P. Karst., Fungi Fenn. Exs., Cent. 10: no. 927, 1870, nom. inval., Art. 35.1.

≡ *Peziza eucrita* Nyl., Observ. Peziz. Fenn.: 47, 1868.

≡ *Allophylaria eucrita* (Nyl.) P. Karst., Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 243, 1870 [1871], nom. inval., Art. 35.1, 41.1.

= *Pezicula abietina* (Auersw.) U. Braun & Bensch, Schlechtendalia 38: 194, 2021.

[Full synonymy, see <https://www.mycobank.org/MB/839521>]

Notes: This is an invalid new combination as the generic name was not yet validly published at that time (fig. 198). While often credited to Karsten, authorship of *Peziza eucrita* should instead be credited to Nylander since he did not ascribe the validating description to Karsten (Art. 46.5). Additionally, despite ascribing the name to Karsten on page 47, Nylander (1868) indicated in the footnote on page 48 that, finding the name Karsten proposed to be aesthetically displeasing, he substituted one of his own choosing without Karsten's knowledge.

Crumenula ribis (Fr.) P. Karst., Fungi Fenn. Exs., Cent. 10: no. 929, 1870 [Not. Sällsk. Fauna Fl. Fenn. Förh. 11: 251, 1870 [1871]].

≡ *Cenangium ribis* Fr., Syst. Mycol. 2: 179, 1822, nom. sanct. [Fr., l.c.].

≡ *Godronia ribis* (Fr.) Seaver, Mycologia 37(3): 339, 1945.

[Full synonymy, see <https://www.mycobank.org/MB/286718>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 929 (fig. 199).

929. Crumenula Ribis (Fr.)
Mustiala, på grenar af Rib. rubr.

Fig. 199 (FH 00785921)

Schmitzomia luzulae subsp. *junci* P. Karst. (as ‘* *junci*’), Fungi Fenn. Exs., Cent. 10: no. 931, 1870 [Bidrag Kännedom Finlands Natur Folk 19: 238, 1871].

= *Stictis graminicola* Lasch, Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 713, 1858.

[Full synonymy, see <https://www.mycobank.org/MB/240798>]

Notes: This is a new subspecies name validly published on the label of Karsten, Fungi Fenn. Exs. 931 (fig. 200).

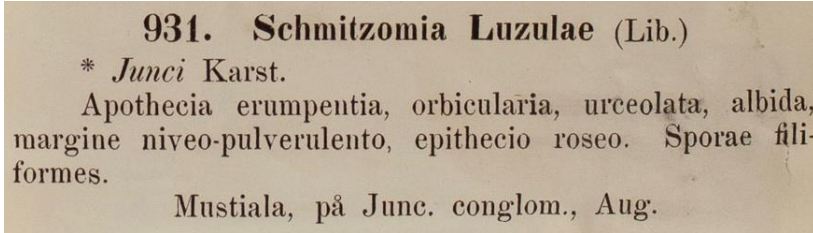


Fig. 200 (FH 00785923)

Schmitzomia elevata P. Karst., Fungi Fenn. Exs., Cent. 10: no. 932, 1870 [Bidrag Kännedom Finlands Natur Folk 19: 240, 1871].

≡ *Stictis elevata* (P. Karst.) P. Karst., Acta Soc. Fauna Fl. Fenn. 2(6): 166, 1885.

[Full synonymy, see <https://www.mycobank.org/MB/219951>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 932 (fig. 201).

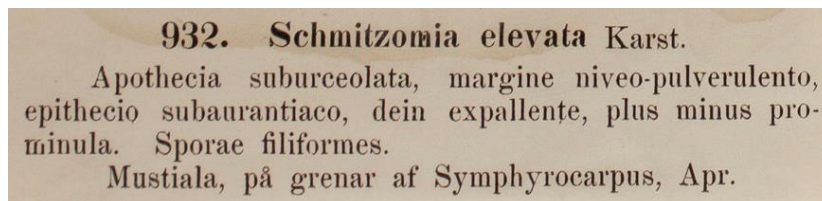


Fig. 201 (FH 00785924)

Trochila trifolii (Biv.) P. Karst., Fungi Fenn. Exs., Cent. 10: no. 933, 1870 [Bidrag Kännedom Finlands Natur Folk 19: 246, 1871].

≡ *Ascobolus trifolii* Biv., Stirp. Rar. Sicilia 4: 27, [1816] 1818, nom. sanct. [Fr., Syst. Mycol. 2: 165, 1822].

≡ *Pseudopeziza trifolii* (Biv.) Fuckel, Jahrb. Nassauischen Vereins Naturk. 23–24: 290, 1870.

[Full synonymy, see <https://www.mycobank.org/MB/159987>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 933 (fig. 202). This combination is sometimes attributed to De Notaris (1864: 358), but he merely says that *Ascobolus trifolii* is a *Trochila* without definitely associating the epithet with the new genus.

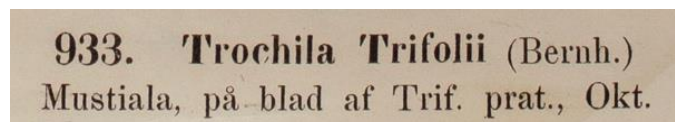


Fig. 202 (FH 00785925)

Valsa prunastri var. *betulae* (Sommerf.) P. Karst. (as ‘β *Betulae*’), Fungi Fenn. Exs., Cent. 10: no. 937, 1870.

≡ *Sphaeria prunastri* var. *betulae* Sommerf. (as ‘β. *Betulae*’), Suppl. Fl. Lapp.: 208, 1826.

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 937 (fig. 203).

937. *Valsa prunastri* (P.)
β *Betulae* Somm.
Sasheika i ryska Lappmarken, på björk.

Fig. 203 (FH 00785929)

Delitschia chaetomioides P. Karst., Fungi Fenn. Exs., Cent. 10: no. 939, 1870 [Bidrag Kännedom Finlands Natur Folk 23: 60, 1873].

[Full synonymy, see <https://www.mycobank.org/MB/176788>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 939 (fig. 204). A lectotype (K, Fungi Fenn. Exs. 939) was designated by Luck-Allen & Cain (1975: 1834).

939. *Hypocopra fimeti* (P.)
Mustiala, på hästexkrem., Okt.
Obs. Socia obvenit *Delitschia chaetomioides* n. sp.:
peritheciis immersis, sphaeroideis, atris, villo deterrenti fusco
obvolutis, rostro crasso, forma vario; sporis uniseptatis,
fuscis, long. 38—50, cr. 17—20 mmm.

Fig. 204 (FH 00785931)

Rhynchostoma P. Karst., Fungi Fenn. Exs., Cent. 10: no. 950, 1870 [Bidrag Kännedom Finlands Natur Folk 23: 7, 1873].

[Full synonymy, see <https://www.mycobank.org/MB/4734>]

Notes: This is a new genus name validly published on the label of Karsten, Fungi Fenn. Exs. 950 (fig. 205).

950. *Rhynchostoma* n. gen.
Perithecia rostrata; sporae fuscae, uniseptatae.
Rh. minutum n. sp.
Perithecia erumpentia, sphaeroidea, rostro cylindra-
ceo, perithecio triplo longiore, glabra. Sporae dilute fu-
scae, long. 6—8, cr. 3—4 mmm.
Mustiala, på gammal enved, Aug.

Fig. 205 (FH 00785942)

Rhynchostoma minutum P. Karst., Fungi Fenn. Exs., Cent. 10: no. 950, 1870 [Bidrag Kännedom Finlands Natur Folk 23: 58, 1873].

[Full synonymy, see <https://www.mycobank.org/MB/166496>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 950 (fig. 205). Mathiassen (1993: 147) designated a lectotype (H 6052127).

Ixodopsis P. Karst., Fungi Fenn. Exs., Cent. 10: no. 955, 1870 [Bidrag Kännedom Finlands Natur Folk 23: 6, 1873].

≡ *Sordaria* Ces. & De Not., Comment. Soc. Crittog. Ital. 1(4): 225, 1863, nom. cons.

[Full synonymy, see <https://www.mycobank.org/MB/5061>]

Notes: This is a new genus name validly published on the label of Karsten, Fungi Fenn. Exs. 955 (fig. 206). When *Sordaria* was conserved with *Sordaria fimicola* as type, it became superfluous since they share the same type.

955. *Ixodopsis* n. gen.
Perithecia sparsa, ovoidea, glabra, apice fimbriata.
Sporae subdistichae, simplices, fuscae.
Ix. fimicola (Rob.)
Sporae ellipsoideae, long. 28—32, cr. 16 mmm.
Mustiala, på fårexkrement., Sept.
Obs.! *Schizothecium fimicolum* Cord. vix diversum.

Fig. 206 (FH 00785947)

Ixodopsis fimicola (Roberge ex Desm.) P. Karst., Fungi Fenn. Exs., Cent. 10: no. 955, 1870 [Bidrag Kännedom Finlands Natur Folk 23: 50, 1873].

≡ *Sphaeria fimicola* Roberge ex Desm., Ann. Sci. Nat., Bot. Sér. 3, 11: 353, 1849.

≡ ***Sordaria fimicola*** (Roberge ex Desm.) Ces. & De Not., Comment. Soc. Crittog. Ital. 1(4): 226, 1863.

[Full synonymy, see <https://www.mycobank.org/MB/147988>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 955 (fig. 206).

Venturia chlorospora (Ces.) P. Karst., Fungi Fenn. Exs., Cent. 10: no. 957, 1870 [Bidrag Kännedom Finlands Natur Folk 23: 189, 1873].

≡ *Sphaeria chlorospora* Ces., in Rabenh., Fungi Eur. Exs., Cent. 1: no. 48, 1859.

[Full synonymy, see <https://www.mycobank.org/MB/199040>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 957 (fig. 207).

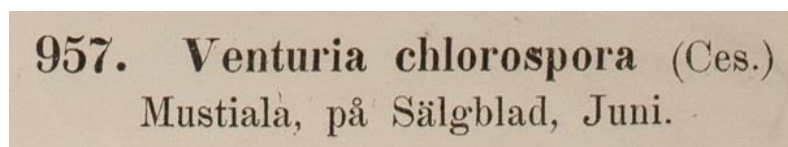


Fig. 207 (FH 00785949)

Sphaerella vulgaris P. Karst., Fungi Fenn. Exs., Cent. 10: no. 960, 1870 [Bidrag Kännedom Finlands Natur Folk 23: 168, 1873], nom. illeg., Art. 52.1.

[Full synonymy, see <https://www.mycobank.org/MB/499880>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 961 (fig. 208) by reference to the validating descriptions of three previously published species (*Sphaeria sparsa* Wallr., *Sphaeria maculiformis* Pers., and *Sphaeria conglomerata* Wallr.), the epithet of one of which ought to have been used instead. Each of these species had already been legitimately combined into *Sphaerella*, making this name even more superfluous. *Sphaerella vulgaris* was considered a replacement name for *Sphaeria maculiformis* by Aptroot (2006: 126), but it is not clear that it was Karsten's intent to found *Sphaerella vulgaris* on *Sphaeria maculiformis* in particular. Without a typification, its application is unclear.

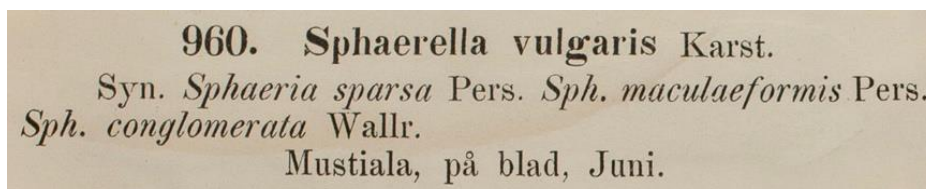


Fig. 208 (FH 00785952)

Leptosphaeria culmifida P. Karst., Fungi Fenn. Exs., Cent. 10: no. 961, 1870 [Bidrag Kännedom Finlands Natur Folk 23: 103, 1873].

≡ *Keissleriella culmifida* (P. Karst.) S.K. Bose, Phytopathol. Z. 41(2): 188, 1961, nom. inval., Art. 41.8.

≡ ***Keissleriella culmifida*** (P. Karst.) S.K. Bose ex J.K. Mitch. & Bensch, **comb. nov.** MB 848934.

[Basonym: *Leptosphaeria culmifida* P. Karst., Fungi Fenn. Exs., Cent. 10: no. 961, 1870.]

Syntypes: [Finland,] Mustiala, på timotejstrån [*Phleum pratense* straw], Okt. [October] [P. A. Karsten, Fungi Fenn. Exs. 961] (e.g., H 6052142, UPS s.n., FH 00785953)

[Full synonymy, see <https://www.mycobank.org/MB/848934>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 961 (fig. 209). While currently in use (e.g., Tanaka et al. 2015), the name *Keissleriella culmifida* has not yet been validly published. Bose (1961: 188) referred to the second part of *Mycologia Fennica* (Karsten 1873a: 103) as the place of valid publication of *Leptosphaeria culmifida* when making the combination in *Keissleriella*. Because Bose did not cite a type and Karsten clearly cites his earlier publication in *Fungi Fenniae Exsiccati*, none of the provisions of Art. 41.8 apply and this combination is invalidly published; we validate it here.

961. *Leptosphaeria culmifida* n. sp.

Perithecia per epidermidem fissam erumpentia, vulgo ellipsoidea, subcompressa, ostiolo brevi, conoideo, glabra. Sporae fusoides-oblongatae, 3-septatae, hyalinae, long. 21—30, cr. 6—8 mm.

Mustiala, på timotejstrån, Okt.

Fig. 209 (FH 00785953)

Leptosphaeria coccodes P. Karst., Fungi Fenn. Exs., Cent. 10: no. 963, 1870 [Bidrag Kännedom Finlands Natur Folk 23: 103, 1873].

?= *Lophiostoma semiliberum* (Desm.) Ces. & De Not., Comment. Soc. Crittog. Ital. 1(4): 220, 1863.

[Full synonymy, see <https://www.mycobank.org/MB/249985>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 963 (fig. 210). Aptroot (1998: 147) designated a lectotype (H 6052120).

963. *Leptosphaeria coccodes* n. sp.

Perithecia primitus innata, sphaeroidea, tandem libera, pulvinata, forma varia, poro lato hiantia, glabra. Sporae fusoides-oblongatae, demum 1—3-septatae, long. 20—32, cr. 3—5 mm., hyalinae.

Mustiala, på Calamagrostis, Okt.

Fig. 210 (FH 00785955)

Leptosphaeria rustica P. Karst., Fungi Fenn. Exs., Cent. 10: no. 964, 1870 [Bidrag Kännedom Finlands Natur Folk 23: 105, 1873].

= *Leptosphaeria doliolum* (Pers.) Ces. & De Not., Comment. Soc. Crittog. Ital. 1(4): 234, 1863.

[Full synonymy, see <https://www.mycobank.org/MB/161618>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 964 (fig. 211).

964. *Leptosphaeria rustica* n. sp.

Perithecia sphaeroidea, subastoma, demum libera. Sporae fusoides-oblongatae, uniseptatae, loculis ad septum inflatis, hyalinae, long. 30—36, cr. 5—6 mm.

Mustiala, på stjelkar af Spir. Ulm., Sept.

Fig. 211 (FH 00785956)

Sphaerella innumerella P. Karst., Fungi Fenn. Exs., Cent. 10: no. 965, 1870 [Bidrag Kännedom Finlands Natur Folk 23: 182, 1873].

[Full synonymy, see <https://www.mycobank.org/MB/174943>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 965 (fig. 212). Aptroot (2006: 109) considered this species a synonym of *Mycosphaerella punctiformis* based on a morphological examination of original material he considered a ‘holotype’ (H 6048756). Because of a lack of a statement indicating designation in that publication, this cannot be corrected to ‘lectotype’ and considered a lectotypification (Art. 7.11).

965. *Sphaerella innumerella* n. sp.

Perithecia hypophylla, sphaeroidea, poro pertusa. Sporae 6-nae, fusoides-bacillares, uniseptatae, hyalinae, long. 17—24, cr. 3—5 mm.

Mustiala, på blad af Com. pal., Jun.

Fig. 212 (FH 00785957)

Ceratostoma dispersum P. Karst., Fungi Fenn. Exs., Cent. 10: no. 966, 1870 [Bidrag Kännedom Finlands Natur Folk 23: 116, 1873].

= *Barbatosphaeria barbirostris* (Dufour) Réblová, Mycologia 99(5): 727, 2008 [2007].

[Full synonymy, see <https://www.mycobank.org/MB/244875>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 966 (fig. 213). Réblová (2008: 730) examined original material of this species that she considered a 'holotype' (UPS F-639913). Because of a lack of a statement indicating designation in that publication, this cannot be corrected to 'lectotype' and considered a lectotypification (Art. 7.11).

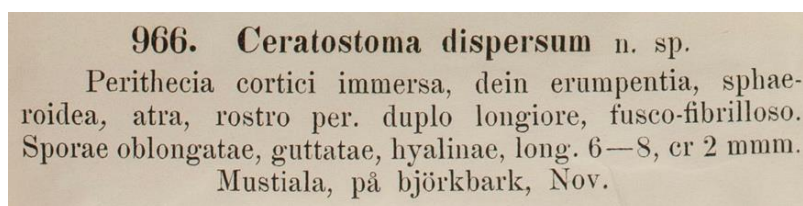


Fig. 213 (FH 00785958)

Rhynchostoma exasperans P. Karst., Fungi Fenn. Exs., Cent. 10: no. 967, 1870 [Bidrag Kännedom Finlands Natur Folk 23: 58, 1873].

[Full synonymy, see <https://www.mycobank.org/MB/166406>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 967 (fig. 214).

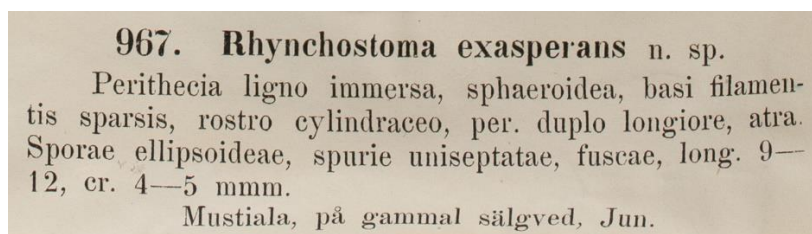


Fig. 214 (FH 00785959)

Lophiostoma duplex P. Karst., Fungi Fenn. Exs., Cent. 10: no. 970, 1870 [Bidrag Kännedom Finlands Natur Folk 23: 86, 1873].

= *Lophiotrema nucula* (Fr.) Sacc., Michelia 1(3): 338, 1878.

[Full synonymy, see <https://www.mycobank.org/MB/148201>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 970 (fig. 215).

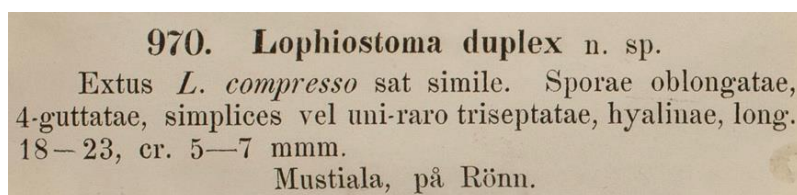


Fig. 215 (FH 00785962)

Sphaeria lonicerina P. Karst., Fungi Fenn. Exs., Cent. 10: no. 971, 1870 [Bidrag Kännedom Finlands Natur Folk 23: 89, 1873].

= *Leptosphaeria holmskjoldii* (P. Karst.) Chi Y. Chen & W.H. Hsieh (as '*holmskjoeldii*'), in Chen et al., I.M.I. Descript. Fungi Bact. 154(1535): [1], 2002.

[Full synonymy, see <https://www.mycobank.org/MB/163000>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 971 (fig. 216).

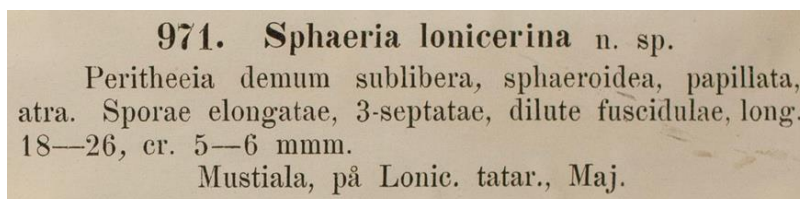


Fig. 216 (FH 00785963)

Sphaeria deflectens P. Karst., Fungi Fenn. Exs., Cent. 10: no. 972, 1870.

≡ *Teichospora deflectens* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 23: 67, 1873.

[Full synonymy, see <https://www.mycobank.org/MB/655688>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 972 (fig. 217).

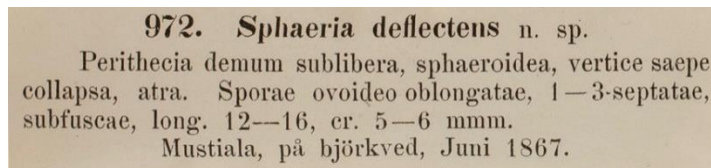


Fig. 217 (FH 00785964)

Leptosphaeria dolioloides (Auersw.) P. Karst., Fungi Fenn. Exs., Cent. 10: no. 978, 1870 [Bidrag Kännedom Finlands Natur Folk 23: 106, 1873].

≡ *Nodulosphaeria dolioloides* Auersw., in Rabenh., Fungi Eur. Exs., Cent. 6: no. 547, 1863.

[Full synonymy, see <https://www.mycobank.org/MB/249313>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 978 (fig. 218).

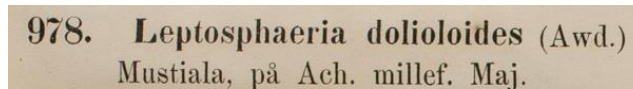


Fig. 218 (FH 00785970)

Anthostoma foedans P. Karst., Fungi Fenn. Exs., Cent. 10: no. 982, 1870.

≡ *Phaeosperma foedans* (P. Karst.) P. Karst., Bidrag Kännedom Finlands Natur Folk 23: 55, 1873.

= *Pseudovalsaria ferruginea* (Nitschke) Rappaz, Mycol. Helv. 7(1): 159, 1995.

[Full synonymy, see <https://www.mycobank.org/MB/363314>]

Notes: This is a new species name validly published on the label of Karsten, Fungi Fenn. Exs. 982 (fig. 219). A lectotype [K(M) 190799] was designated by Ju et al. (1996: 442).

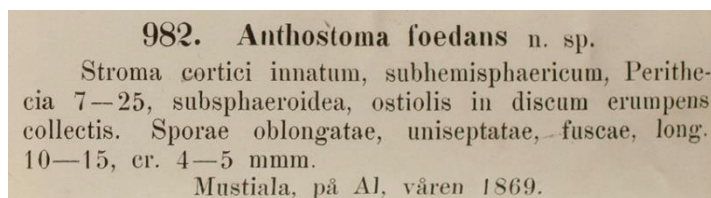


Fig. 219 (FH 00785974)

Sphaerella gangraena (Fr. ex Duby) P. Karst., Fungi Fenn. Exs., Cent. 10: no. 983, 1870 [Bidrag Kännedom Finlands Natur Folk 23: 185, 1873].

≡ *Sphaeria gangraena* Fr. ex Duby (as '*gangrena*'), Bot. Gall. 2: 695, 1830, nom. sanct. [Fr., Syst. Mycol. 3(index): 165, 1832].

≡ *Telimenella gangraena* (Fr. ex Duby) Petr., Sydowia 1(1–3): 79, 1947.

[Full synonymy, see <https://www.mycobank.org/MB/291340>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 983 (fig. 220).

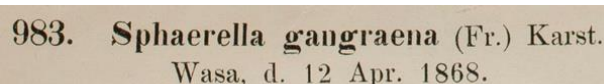


Fig. 220 (FH 00785975)

Cryptospora tessella (Pers.) P. Karst., Fungi Fenn. Exs., Cent. 10: no. 985, 1870 [Bidrag Kännedom Finlands Natur Folk 23: 78, 1873].

≡ *Sphaeria tessella* Pers., Syn. Meth. Fung. 1: 48, 1801, nom. sanct. [Fr., Syst. Mycol. 2(2): 393, 1823].

≡ *Allantoportha tessella* (Pers.) Petr., Hedwigia 62: 289, 1921.

[Full synonymy, see <https://www.mycobank.org/MB/280069>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 985 (fig. 221).

985. *Cryptospora tessella* (P.)
Mustiala, på Salix, d. 27 Dec. 1865.

Fig. 221 (FH 00785977)

Pleospora herbarum subsp. *pisi* (Sowerby) P. Karst., Fungi Fenn. Exs., Cent. 10: no. 991, 1870.
≡ *Sphaeria pisi* Sowerby, Col. Fig. Engl. Fung. 3: [77], 1803, nom. sanct. [Fr., Syst. Mycol. 2(2): 509, 1823].

= *Stemphylium vesicarium* (Wallr.) E.G. Simmons, Mycologia 61(1): 9, 1969.

[Full synonymy, see <https://www.mycobank.org/MB/339660>]

Notes: This is a new combination validly published on the label of Karsten, Fungi Fenn. Exs. 991 (fig. 222).

991. *Pleospora herbarum* (P.)
* *Pisi* (Sow.)
Åbo, på Pis. sat., d. 18 Maj 1861.

Fig. 222 (FH 00785983)

Puccinia ptarmicae P. Karst., Fungi Fenn. Exs., Cent. 10: no. 999, 1870, nom. inval., Art. 38.1(a).

≡ *Puccinia ptarmicae* P. Karst., Bidrag Kännedom Finlands Natur Folk 31: 41, 1879.

[Full synonymy, see <https://www.mycobank.org/MB/214169>]

Notes: This name was originally invalidly published as a nomen nudum on the label of Karsten, Fungi Fenn. Exs. 999 (fig. 223) but later validated.

999. *Puccinia Ptarmicae*.
Mustiala, på Achill. Ptarm. Sept.

Fig. 223 (FH 00785991)

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