

Annotated list of taxonomic novelties published in “Klotzschii Herbarium Vivum Mycologicum, Editio Nova” issued by G. L. Rabenhorst between 1855 and 1858

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Abstract: Braun, U. 2018: Annotated list of taxonomic novelties published in “Klotzschii Herbarium Vivum Mycologicum, Editio Nova” issued by G. L. Rabenhorst between 1855 and 1858. Schlechtendalia **35**: 1–43.

New taxa and new combinations published by G. L. Rabenhorst in “Klotzschii Herbarium Vivum Mycologicum, Editio Nova” in the middle of the 19th century are listed and annotated. References, citations and the synonymy are corrected when necessary. The nomenclature of some taxa is discussed in more detail. *Uredo fragariae* is neotyped and reduced to synonymy with *Phragmidium fragariastri*. The nomenclature of the names *Uredo obtusa* and *Phragmidium obtusum* is discussed and clarified.

Zusammenfassung: Braun, U. 2018: Kommentierte Liste taxonomischer Neuheiten publiziert in “Klotzschii Herbarium Vivum Mycologicum, Editio Nova”, herausgegeben von G. L. Rabenhorst zwischen 1855 und 1858. Schlechtendalia **35**: 1–43.

Neue Taxa und Kombinationen publiziert von G. L. Rabenhorst in “Klotzschii Herbarium Vivum Mycologicum, Editio Nova” in der Mitte des 19. Jahrhunderts werden aufgelistet und annotiert. Referenzangaben, Zitate und die Synonymie werden korrigiert falls notwendig. Die Nomenklatur einiger Taxa wird detaillierter besprochen. *Uredo fragariae* wird neotypisiert und als Synonym zu *Phragmidium fragariastri* gestellt. Die Nomenklatur der Namen *Uredo obtusa* und *Phragmidium obtusum* wird diskutiert und geklärt.

Key words: Fungi, nomenclature, exsiccata.

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Introduction

In 1832, Johann F. Klotzsch initiated the exsiccata “Herbarium Vivum Mycologicum” and issued Cent. 1 and 2. Gottlob L. Rabenhorst continued this exsiccata since 1842 and issued Cent. 3 to 20. An index was published by Rabenhorst (1851). Taxonomic novelties published in this exsiccata have been listed and annotated in Braun (2018). Rabenhorst continued this exsiccata under the name “Klotzschii Herbarium Vivum Mycologicum, Editio Nova” and issued eight centuria between 1855 and 1858 [Series Prima]. Details to this exsiccata, including data of the publication of the particular centuria and announcements in the journals *Botanische Zeitung*, and *Flora* are to be found in Kohlmeyer (1962). According to ICN, Art. 30.2 (Ex. 12), descriptions, new combinations and other taxonomic novelties on labels accompanying distributed specimens (exsiccata) are effectively published, i.e., valid names published on printed labels of distributed exsiccata have to be taken into consideration with regard to priority issues of taxa. However, experiences have shown as far that names published in exsiccata have often been neglected or wrongly cited in nomenclature data bases and taxonomic treatments. The particular centuria of “Herbarium Vivum Mycologicum” were prepared and, when ready to be distributed, announcements in several botanical journals were published, i.e., descriptions on printed labels in the exsiccata have priority and names (with repeated descriptions) in the journals are later isonyms (Art. 6.3, Note 2) that have to be disregarded. In some cases, particular centuria were issued even one calendar year earlier [e.g., Cent. 2 in 1855, but announcements in *Botanische Zeitung* 14 and *Flora* 39 in 1856]. Numerous names appearing in exsiccata are nomina nuda (without any descriptions or diagnoses) which were validated in later publications by the original author or other authors, either as “ex cases” or as “combinations” under other genus names. In the latter case, the validated names must be attributed to the validating authors alone. The present work was performed in consultation with Index Fungorum and MycoBank, i.e., the results are also meant to be groundwork for these databases.

A complete set of “Klotzschii Herbarium Vivum Mycologicum, Editio Nova” preserved in HAL was the base for the present nomenclatural study and reassessment of names. Some types have

been re-examined in order to clarify the identity of the taxa concerned. In other cases, currently used and recognized names are cited and highlighted in bold.

Annotated list of taxa

Cent. 1

Peziza mortuaria Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 1: no. 18, 1855 [Bot. Zeitung 13: 598, 1855; Flora 38: 493, 1855].

≡ *Tapesia mortuaria* (Ces.) Sacc., Syll. fung. (Abellini) 8: 378, 1889.

Notes: This is a valid species name with a description on the label of Klotzschii Herbarium Vivum Mycologicum, Editio Nova, 18 (fig. 1).

18. *Peziza* (Tapesia) *mortuaria* Ces. mss.
Subiculum tenue nigrum; cupul. minutae, sessiles, aggregatae;
juniores cinereo-virentes, cito nigrae, semper glabrae.
Vercellis: in disco truncorum Robiniae: Apr. 853. CESATI.

Fig. 1

Claviceps pusilla (Ces.) Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 1: no. 38, 1855 [Bot. Zeitung 13: 598, 1855; Flora 38: 493, 1855].

≡ *Hypocrea pusilla* Ces., Linnaea 21: 27, 1848, nom. nud.

≡ *Hypocrea pusilla* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 16: no. 1533, 1851.

Notes: This is a valid combination, based on *Hypocrea pusilla*, published on the label of Klotzschii Herbarium Vivum Mycologicum, Editio Nova, 38 (fig. 2).

38. *Claviceps pusilla* Ces. Mspt.
Hypocrea pusilla Ces. in RABENH. herb. mycol. R. 1533.
Brixiae 1846 Sept.—Nov.; in semin. Andropogonis Ischaemi
cornutis, i. e. Sclerotio clavo corruptis. CESATI.

Fig. 2

Sphaeria isiaca Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 1: no. 40, 1855 [Bot. Zeitung 13: 598, 1855; Flora 38: 493, 1855].

≡ *Ophiobolus isiacus* (Ces.) Sacc., Syll. fung. (Abellini) 2: 353, 1883.

Notes: This is a valid species name with a description on the label of Klotzschii Herbarium Vivum Mycologicum, Editio Nova, 40 (fig. 3).

40. *Sphaeria Isiaca* Ces. mss.
Haud frequentem inveni in Phragmitis Isiace culmis
humistratis et per hyemem luto inquinatis. Sporidia hya-
lina et rhombiformia libera in specimibus huc usque ex-
aminatis nimis maturis vidi ex ostiolo papillaeformi eructata.
Vercellis: vere 1853. CESATI.

Fig. 3

Depazea maianthemi Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 1: no. 51, 1855 [Bot. Zeitung 13: 598, 1855; Flora 38: 493, 1855], nom. nud.

= *Asteromella* sp.

Notes: Rabenhorst (l.c.) cited “*Sphaeria (Depazea) maianthemi* Rabenh. [as “*maianthemi*”], Klotzschii Herb. Viv. Mycol., Cent. 8: no. 752, 1845”, which is also a nom. nud. The material deposited at HAL has been examined and turned out to be a spermatial morph of an unknown species of a genus belonging to the *Mycosphaerellaceae*. The pycnidia (spermogonia) are small, 30–80 µm diam, and form minute bacilliform spermatia, straight to slightly curved, about 3–4 × 1 µm. This species is not identical with *Phyllosticta maianthemi* W.B. Cooke (Cooke & Shaw 1952: 795), which is also an *Asteromella* (van der Aa & Vaney 2002: 303), described from

North America on *Maianthemum dilatatum*. The conidia of the later species are very similar, but the spermogonia are much larger, 70–125 µm diam.

Valsa suffulta (Nees : Fr.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 1: no. 56, 1855 [Bot. Zeitung 13: 598, 1855; Flora 38: 493, 1855].

≡ *Sphaeria suffulta* Nees, Syst. Pilze (Würzburg): 316, [“1816–17”] 1816.

≡ *Leptosphaeria suffulta* (Nees : Fr.) Niessl, in Winter, Rabenh. Krypt.-Fl., Edn 2 (Leipzig) 1.2: 461, 1885.

Notes: This is a valid combination, based on *Sphaeria suffulta*, published on the label of Klotzschii Herbarium Vivum Mycologicum, Editio Nova, 56 (fig. 4).

56. *Valsa suffulta* (Nees syst. 316. F. 358.)
RABENH. Handb. I. p. 173. herb. mycol. N. 1329.
Dresdae, in caulibus emortuis Melampyri nemorosi, ineunte
Majo 1854. L. R.

Fig. 4

Ophiobolus acuminatus (Sowerby : Fr.) Duby, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 1: no. 57, 1855 [Bot. Zeitung 13: 598, 1855; Flora 38: 493, 1855].

≡ *Sphaeria acuminata* Sowerby, Col. fig. Engl. Fung. Mushr. (London) 3: 176, tab. 394:3, 1803.

Notes: This is a valid combination, based on *Sphaeria acuminata*, published on the label of Klotzschii Herbarium Vivum Mycologicum, Editio Nova, 57 (fig. 5).

57. *Ophiobolus acuminatus* DUBY.
Sphaeria acuminata Sowerb. FRIES syst. II. p. 506. RABENH.
I. p. 179. Sph. Carduorum Wallr. Flor. crypt. II. p.
805. RABENH. herb. mycol. N. 1560. Desmaz. Crypt. de
France edit. I. N. 1284. edit. II. N. 784.
Ad caules exsiccatos Cardui pr. Bernam. DUBY.

Fig. 5

Sacidium foedans Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 1: no. 61, 1855 [Bot. Zeitung 13: 598, 1855; Flora 38: 493, 1855].

≡ *Leptothyrium foedans* (Ces.) Sacc., Syll. fung. (Abellini) 3: 634, 1884.

Notes: This is a valid species name with a description on the label of Klotzschii Herbarium Vivum Mycologicum, Editio Nova, 61 (fig. 6).

61. *Sacidium foedans* Ces. mss.
Peritheciorum areolae illis Microthyrii Smilacis (D Nis.
micr. ital. Dec. IV. tab. 4.) omnino similes; sed ascos nullos
videre mihi contigit.
Vercellis: ad caules exsiccatos Salviae glutinos.; vere in
aestatem. CESATI.

Fig. 6

Helicosporium pallidum Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 1: no. 62, 1855 [Bot. Zeitung 13: 598, 1855; Flora 38: 493, 1855].

Notes: This is a valid species name with a description on the label of Klotzschii Herbarium Vivum Mycologicum, Editio Nova, 62 (fig. 7).

62. *Helicosporium pallidum* Ces. Mspt.
Caespites cinerei in roseolum vergentes.
Ad Ebuli caules putridos: Majo. Vercellis. CESATI.

Fig. 7

Pestalotia hypericina Ces. [as “*Pestalozzia*”], in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 1: no. 64, 1855 [Bot. Zeitung 13: 599, 1855; Flora 38: 493, 1855].

≡ *Seimatosporium hypericinum* (Ces.) B. Sutton, Trans. Br. Mycol. Soc. 64: 483, 1975.

Notes: This is a valid species name with a description on the label of Klotzschii Herbarium Vivum Mycologicum, Editio Nova, 64 (fig. 8).

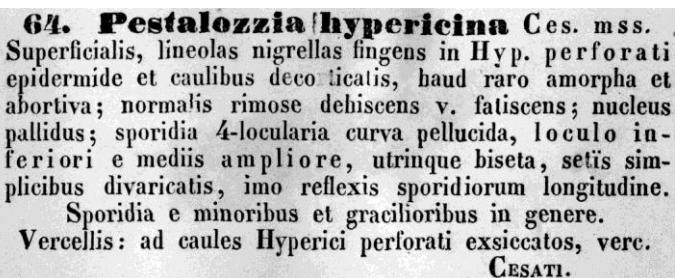


Fig. 8

Pestalotia phacidoides Ces. [as “Pestalozzia”], in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 1: no. 65, 1855 [Bot. Zeitung **13**: 599, 1855; Flora **38**: 494, 1855], nom. nud.

Dothidea potentillae Fr. f. *potentillae-vernae* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 1: no. 68, 1855 [Bot. Zeitung **13**: 599, 1855; Flora **38**: 494, 1855].

= *Sphaeria potentillae* Schwein., Schriften Naturf. Ges. Leipzig **1**: 46, 1822, nom. illeg. (Art. 53.1).

≡ *Dothidea potentillae* Fr., Syst. mycol. (Lundae) **2**(2): 563, 1823.

≡ *Venturia potentillae* (Fr.) Cooke, Grevillea **6**(38): 76, 1877.

Notes: This is a valid forma with a description on the label of Klotzschii Herbarium Vivum Mycologicum, Editio Nova, 68 (fig. 9).

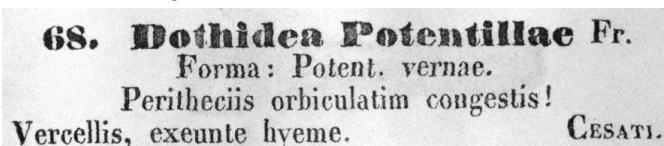


Fig. 9

Acrostalagmus murinus Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 1: no. 74, 1855 [Bot. Zeitung **13**: 599, 1855; Flora **38**: 494, 1855].

Notes: This is a valid species name with a description on the label of Klotzschii Herbarium Vivum Mycologicum, Editio Nova, 74 (fig. 10).

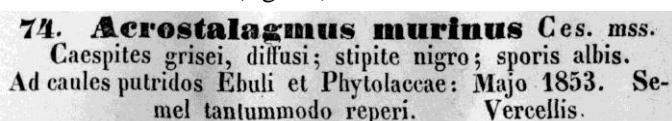


Fig. 10

Torula funerea Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 1: no. 79, 1855 [Bot. Zeitung **13**: 599, 1855; Flora **38**: 494, 1855].

≡ *Periconia funerea* (Ces.) E.W. Mason & M.B. Ellis, Mycol. Pap. **56**: 117, 1953.

Notes: This is a valid species name with a description on the label of Klotzschii Herbarium Vivum Mycologicum, Editio Nova, 79 (fig. 11).

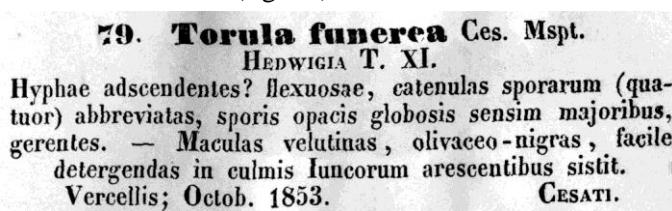


Fig. 11

Puccinia stellariae f. *saginae* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 1: no. 86a, 1855 [Bot. Zeitung 13: 599, 1855; Flora 38: 494, 1855].

= *Puccinia arenariae* (Schumach.) J. Schröt., Hedwigia 19: 38, 1880.

Notes: This is a valid taxon (forma) published as “substrate form” on the label of Klotzschii Herbarium Vivum Mycologicum, Editio Nova, 86a (fig. 12).

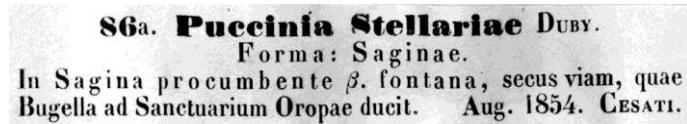


Fig. 12

Cent. 2

Peziza cesatii Mont., Hedwigia 1(10): 72, 1855 [and Mont., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 2: no. 128, 1855; Bot. Zeitung 14: 86, 1856; Flora 39: 12, 1856].

= *Helotium cesatii* (Mont.) Mont., Syll. gen. sp. crypt. (Paris): 187, 1856.

= *Pocillum cesatii* (Mont.) De Not., Comm. Soc. Crittog. Ital. 1(fasc. 5): 361 [“1863”] 1864.

Notes: This species was at first validly published as *Peziza cesatii* in “Hedwigia 1(10): 72, 1855” with a secondary description on the label of Klotzschii Herbarium Vivum Mycologicum, Editio Nova, 128 (fig. 13). Hence, Montagne’s (l.c.) publication under *Helotium* should be classified as combination.

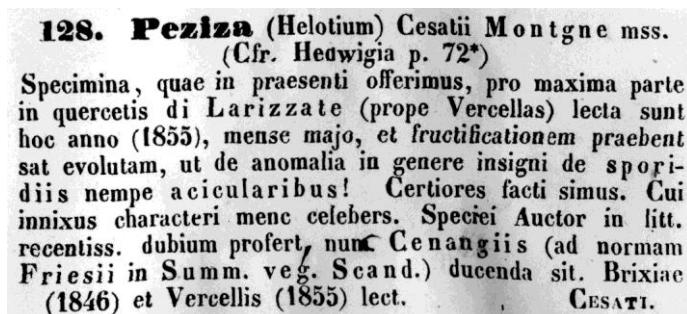


Fig. 13

Depazea linnaeae (Ehrenb. : Fr.) Rabenh., Deutschl. Krypt.-Fl. 1 (Pilze): 138, Leipzig 1844.¹ [Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 2: no. 149, 1855; Bot. Zeitung 14: 86, 1856; Flora 39: 13, 1856].

= *Sphaeria linnaeae* Ehrenb., Sylv. mycol. berol. (Berlin): 29, 1818 [: Fr., Syst. mycol. 2(2): 531, 1823].

= *Septoria linnaeae* (Ehrenb. : Fr.) Sacc., Bull. Soc. Mycol. France 5(4): 121, [“1889”] 1890.

Notes: The combination *Depazea linnaeae* was first validly published by Rabenhorst (1844).

Depazea vaccinii (Sowerby : Fr.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 2: no. 150, 1855 [Bot. Zeitung 14: 86, 1856; Flora 39: 13, 1856].

= *Sphaeria vaccinii* Sowerby, Col. fig. Engl. Fung. Mushr. (London) 3: 156, tab. 373:1, 1803 [: Fr., Systema Mycologicum 2(2): 418, 1823].

= *Gibbera vaccinii* (Sowerby : Fr.) Fr., Summa veg. Scand., Sectio Post. (Stockholm): 412, 1849.

Notes: This is a valid combination published on the label of Klotzschii Herbarium Vivum Mycologicum, Editio Nova, 150 (fig. 14).

¹ Rabenhorst (1844) reallocated a large number of species to the genus *Depazea*. Numerous of the combinations concerned have been omitted, i.e., they are not yet listed in important databases of fungal names (see list at the end, p. 38).

150. Depazea Vaccinii Fr. Summ. p. 422.
D. stermatea Fr. Syst. Scleromyt. Suec. exs. N. 287.
Rabenh. Handb., Herb. mycol. N. 433.
Dresdae, in sylvis ubique. tum in Vacc. Vit. idaea, tum
in Vacc. Myrtillo.

Fig. 14

Depazea hedericola (Fr.) Rabenh., Deutschl. Krypt.-Fl. 1 (Pilze): 138, Leipzig 1844 [Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1074, 1846; Bot. Zeitung 4: 879, 1846; Flora 31: 506, 1848; Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 2: no. 151, 1855; Bot. Zeitung 14: 86, 1856; Flora 39: 13, 1856].

≡ *Sphaeria hedericola* Fr. [as “*hederaecola*”], Syst. mycol. (Lundae) 2(2): 528, 1823.

≡ *Septoria hedericola* (Fr.) Jørst., Skr. Vidensk.-Akad. Oslo 22: 11, 1965.

Notes: The combination *Depazea hedericola* was first validly published by Rabenhorst (1844).

Depazea fragariicola (Wallr.) Rabenh. (“*fragariaecola*”), Deutschl. Krypt.-Fl. 1 (Pilze): 138, Leipzig 1844 [Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 2: no. 152, 1855; Bot. Zeitung 14: 86, 1856; Flora 39: 13, 1856].

≡ *Sphaeria fragariicola* Wallr., Fl. crypt. Germ. (Norimbergae) 2: 767, 1833.

Notes: The combination *Depazea hedericola* was first validly published by Rabenhorst (1844).

Rhytisma acerinum f. *spermatigerum* Rabenh. (“*spermatigera*”), Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 2: no. 160b, 1855 [Bot. Zeitung 14: 86, 1856; Flora 39: 13, 1856].

Notes: This is a forma validly published in Klotzschii Herb. Viv. Mycol., Ed. Nova, 160b (fig. 15).

b. Rhytisma acerinum Fr. forma
spermatigera
In foliis Aceris Pseudo-Platani in montibus sudeticis vul-
gare. Forma spermatigera sporigeram, quam demum foliis
dejectis ac putrescentibus reperiis longe antecedit. August
et September 1855. Th. BAIL.

Fig. 15

Peronospora ochroleuca Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 2: no. 175, 1855 [Bot. Zeitung 14: 87, 1856; Flora 39: 13, 1856].

Notes: This species was validly published in Klotzschii Herb. Viv. Mycol., Ed. Nova, 175 (fig. 16). Constantinescu (1991: 66) classified this name as “invalid” since portions of no. 175 were distributed under the name *P. ochracea* Ces. *P. ochroleuca* was the sole name used in the publications in Bot. Zeitung 14: 87, 1856 and Flora 39: 13, 1856. Furthermore, alternative names published before 1 Jan. 1953 are not invalid (Art. 36.3).

173. Peronospora ochroleuca Ces. mss.
Dense stratosa, hypophylla et epicaulis, primitus nivea dein
octroleuca, macrospora, sporis ($\frac{8}{500}$ millim.) sphaericis.
Prope Santhià (prov. Vercell.), in Turrite glabra loco
valde aprico! 30. Mai 855. CESATI.

Fig. 16

Fusarium graminum var. *tritici* J.G. Kühn, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 2: no. 188, 1855 [Bot. Zeitung 14: 87, 1856; Flora 39: 13, 1856].

Notes: This variety was validly published in Klotzschii Herb. Viv. Mycol., Ed. Nova, 188 with a brief description (fig. 17). The duplicate deposited in herbarium HAL is supplemented by a handwritten label probably added by J. Kühn (fig. 18).

188. Fusarium graminum Corda icon.
una c. var. Tritici (ob sporas subdupo majores).
Glnmas et germina infestans; pr. Gross-Krausche ad Bunzlau
(Silesiae) leg. J. RUEHN.

Fig. 17

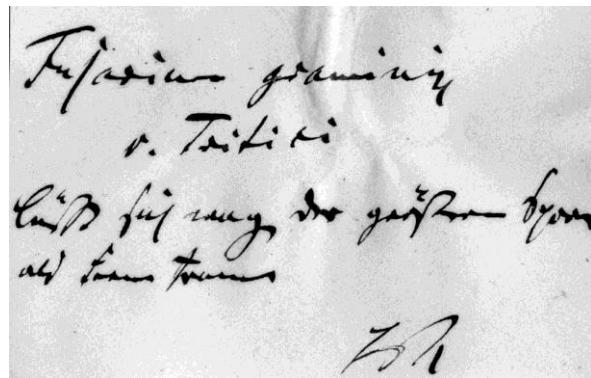


Fig. 18

Sorosporium schizocaulon var. *violae* Casp. in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 2: no. 190, 1855 [Bot. Zeitung 14: 87, 1856; Flora 39: 13, 1856], nom. nud.
≡ *Urocystis violae* (Sowerby) A.A. Fisch. Waldh., Bull. Soc. Imp. Nat. Moscou 40: 258, 1867.

Cent. 3

Corticium platani Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 3: no. 215, 1856 [Bot. Zeitung 14: 426, 1856; Flora 39: 374, 1856].

≡ *Terana platani* (Ces.) Kuntze, Revis. gen. pl. (Leipzig) 2: 872, 1891.

Notes: This species was validly published in Klotzschii Herb. Viv. Mycol., Ed. Nova, 215 (fig. 19).

215. *Corticium Platani* Ces. mss.
Ambitu eximie radianti byssino albo; hymenio e sporis
oblongis obtusis guttula repletis e luteo virentibus chloro-
tino: Sporae $\frac{5}{500}$ mill. long.
Vercellis: in ambulacro ad Platanum vetustam. — Mens.
Nov. et Dec. 1855. Cesati.

Fig. 19

Corticium puberum var. *effusum* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 3: no. 216b, 1856 [Bot. Zeitung 14: 426, 1856; Flora 39: 374, 1856], nom. nud.

Sphaeria oncostoma Duby, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 3: no. 253, 1856 [Bot. Zeitung 14: 427, 1856; Flora 39: 375, 1856].

≡ *Diaporthe oncostoma* (Duby) Fuckel, Jahrb. Nassauischen Ver. Naturk. 23-24: 205, [1869-70] 1870.

Notes: This species was validly published in Klotzschii Herb. Viv. Mycol., Ed. Nova, 253 (fig. 20).

**253. *Sphaeria* (Obvallatae) *oncostoma* (Duby
mss.) pustulato — extensa nigra, receptaculis numerosis im-
mersis subverticalibus subglobosis aggregatis confertis, ostiolis
fasciculatim erumpentibus crassis rectis cylindrico-incras-
satis rugoso-nodosis aequalibus obtusis demumque pertusis,
theis elongato — claviformibus sporas 8 hyalinas 2-seriales
ovato-lanceolatas utrinque obtusas medio subconstrictas et
obscure septatas sporulis 4 (?) globosis faetas foventibus,
— Ad ramum dejectum Robiniae prope Genavam, autumno.
— Cui inter species jam descriptas referre nescio. S. spinosa
Pers. Fries! est latissime effusa indeterminata, ostiolis an-
gulatis, thecis lanceolatis sporas minutissimas lineares ad
utramque extremitatem sporula foetas foventibus; S. ci-
liata Pers. Nees! gaudet ostiolis gracilibus flexuosis lae-
vibus, sporis simplicibus linear-lanceolatis utrinque acutis;
S. tortuosa Fries! distinguuntur ostiolis intra pustulam
convergentibus, sporis minutissimis cylindricis vix arcuatis
ad utramque extremitatem sporula foetis. — Nomen ab
ογκος (incrassatus) et δρυμα (os). Duby.**

Fig. 20

Phacidium astrantiae Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 3: no. 258, 1856 [Bot. Zeitung 14: 429, 1856; Flora 39: 376, 1856].

≡ *Leptotrochila astrantiae* (Ces.) Schüepp, Phytopath. Z. 36: 260, 1959.

Notes: This species was validly published in Klotzschii Herb. Viv. Mycol., Ed. Nova, 258 (fig. 21).

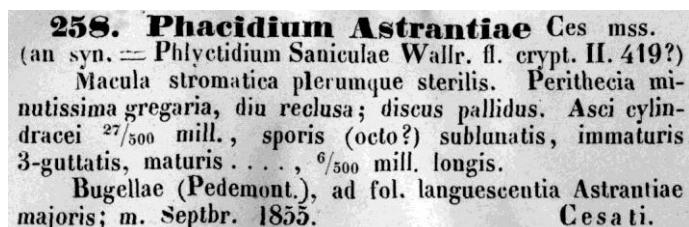


Fig. 21

Podospora Ces., Hedwigia 1(15): 103, Tab. XIV, A, 1–11, 1856 [Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 3: no. 259, 1856; Bot. Zeitung 14: 429, 1856; Flora 39: 376, 1856].

Notes: This genus was validly published in "Hedwigia 1(15): 103, Tab. XIV, A, 1–11, 1856" with a description later added in Klotzschii Herb. Viv. Mycol., Ed. Nova, 259 (fig. 22).

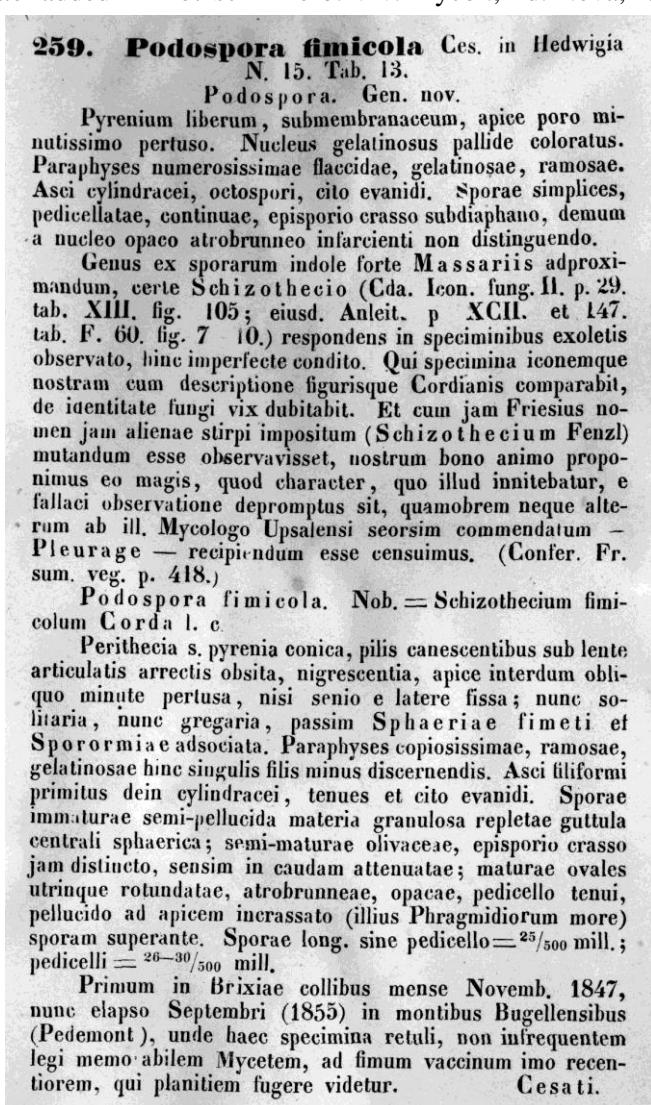


Fig. 22

Podospora fimicola (Corda) Ces., Hedwigia **1**(15): 103, Tab. XIV, A, 1–11, 1856 [Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 3: no. 259, 1856; Bot. Zeitung **14**: 429, 1856; Flora **39**: 376, 1856].

≡ *Schizothecium fimicola* Corda [as “*fimicolum*”], Icon. fung. (Prague) **2**: 29, 1838.

Notes: The combination *P. fimicola* was first validly published in “Hedwigia **1**(15): 103, Tab. XIV, A, 1–11, 1856”.

Depazea palustris Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 3: no. 266, 1856 [Bot. Zeitung **14**: 445, 1856; Flora **39**: 376, 1856].

Notes: This species has been validly published with a description in Klotzschii Herb. Viv. Mycol., Ed. Nova, 266 (fig. 23).

266. Depazea palustris Ces.
Sporae aciculares utrinque acutae hyalinae, $\frac{32}{500}$ mill. longae.
Vercellis, exeunte Augusto ad folia radicalia Compo-
sitae (Hieracii?) cuiusdam, quam determinare nequivi quia
post redditum meum pluviis omnia inundata erant.
Cesati.

Fig. 23

Hirudinaria Ces., Hedwigia **1**(15): 104, Tab. XIV, G, 1–3, 1856 [in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 3: no. 269, 1856; Bot. Zeitung **14**: 445, 1856; Flora **39**: 377, 1856].

Notes: This genus was validly published in “Hedwigia **1**(15): 104, Tab. XIV, G, 1–3, 1856. A description was later added in Klotzschii Herb. Viv. Mycol., Ed. Nova, 269.

Hirudinaria macrocarpa Ces., Hedwigia **1**(15): 104, Tab. XIV, G, 1–2, 1856 [in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 3: no. 269, 1856; Bot. Zeitung **14**: 445, 1856; Flora **39**: 377, 1856, as *H. macrospora*].

Notes: This species was first validly published in Hedwigia **1**(15): 104, Tab. XIV, G, 1–2, 1856. Later a description was added in Klotzschii Herb. Viv. Mycol., Ed. Nova, 269. The name *H. macrospora* used in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 3: no. 269, 1856, Bot. Zeitung **14**: 445, 1856, and Flora **39**: 377, 1856 seems to be an alternative name for *H. macrocarpa*.

Hirudinaria mespili Ces., Hedwigia **1**(15): 104, Tab. XIV, G, 3, 1856 [in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 3: no. 269, 1856; Bot. Zeitung **14**: 445, 1856; Flora **39**: 377, 1856].

Notes: This species was validly published in Hedwigia **1**(15): 104, Tab. XIV, G, 3, 1856. Later a description was added in Klotzschii Herb. Viv. Mycol., Ed. Nova, 269.

Oidium monilioides f. *leonuri* Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 3: no. 272, 1856; Bot. Zeitung **14**: 446, 1856; Flora **39**: 377, 1856

= *Neoerysiphe galeopsidis* (DC.) U. Braun, Schlechtendalia **3**: 50, 1999.

Notes: This is a valid taxon published as substrate forma (fig. 24)

272. Oidium Monilioides L. form. **Leonuri.**
Prope Pillnitz ad Dresdam, autumno 1855. L. R.

Fig. 24

Zygodesmus tristis Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 3: no. 274, 1856 [Bot. Zeitung **14**: 446, 1856; Flora **39**: 377, 1856].

Notes: This species was validly published with a description in Klotzschii Herb. Viv. Mycol., Ed. Nova, 274 (fig. 25).

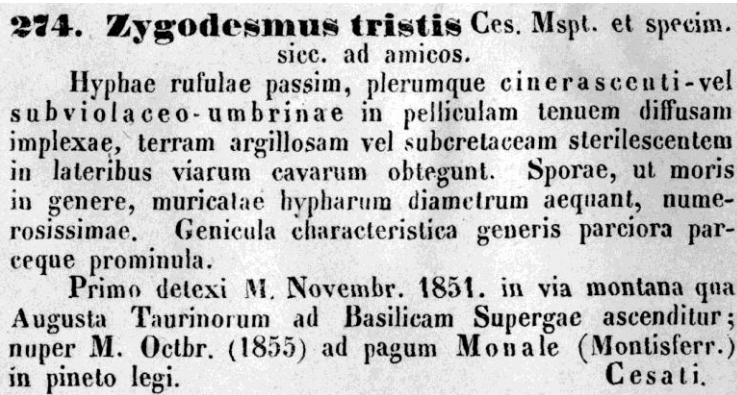


Fig. 25

Phragmidium fragariae (Rabenh.) Rossmann, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 3: no. 281, 1856 [Bot. Zeitung **14**: 446, 1856; Flora **39**: 378, 1856].

≡ *Uredo fragariae* Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 12, Leipzig 1844 [neotype (designated here, MycoBank, MBT383656), Germany, near Giessen, forest, Linder Mark, on *Potentilla sterilis* (as “*Fragaria vesca*”), July, J. Rossmann [Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 3: no. 281] (HAL, s.n.).

≡ *Epitea fragariae* (Rabenh.) G.H. Otth, Mitt. Naturf. Ges. Bern **531-552**: 87, [“1863”] 1864.

Notes: Rossmann (l.c.) cited and discussed *Uredo fragariae* Rabenh., which is the basionym of *Phragmidium fragariae* (Rabenh.) Rossmann (fig. 26). Rabenhorst (l.c.) described *Uredo fragariae* on “*Fragaria vesca*” (host identity unclear and doubtful). The leaves distributed in Klotzschii Herb. Viv. Mycol., Ed. Nova, no. 281 belong to *Potentilla sterilis*. Hence, it can be assumed that *Uredo fragariae* is very probably a synonym of a species currently referred to as *Phragmidium fragariae* (DC.) G. Winter (since type material of Rabenhorst’s *Uredo fragaria* is not preserved, I propose to neotypify this species with the material distributed in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, no. 281 in order to determine the application of this name and Rossmann’s combination). The combination *Phragmidium fragariae* (Rabenh.) Rossmann is valid, hence *Phragmidium fragariae* (DC.) G. Winter is an illegitimate name (homonym). Therefore, the correct name for this species is now *Phragmidium fragariastri* [to maintain the name *Phragmidium fragariae* (DC.) G. Winter a proposal to reject the name *Phragmidium fragariae* (Rabenh.) Rossmann would be necessary]:

Phragmidium fragariastri (DC.) J. Schröt., in Cohn, Krypt.-Fl. Schlesien (Breslau) **3.1**(17–24): 351, 1887.

≡ *Puccinia fragariastri* DC., in de Candolle & Lamarck, Fl. franç., Edn 3 (Paris) **5/6**: 55, 1815.

= *Puccinia fragariae* DC., Encycl. Méth. Bot. **8**: 244, 1808.

≡ *Phragmidium fragariae* (DC.) G. Winter, in Rabenh., Krypt.-Fl., Zweite Aufl., Band 1, Lief. 4: 228, 1881, nom. illeg. (Art. 53.1), non Rossmann 1856.

= *Uredo fragariae* Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 12, Leipzig 1844.

≡ *Phragmidium fragariae* (Rabenh.) Rossmann, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 3: no. 281, 1856.

≡ *Epitea fragariae* (Rabenh.) G.H. Otth, Mitt. Naturf. Ges. Bern **531-552**: 87, [“1863”] 1864.

= *Lecythea potentillarum* Lév., Ann. Sci. Nat., Bot., Sér. 3, **8**: 374, 1847.

= *Phragmidium granulatum* Fuckel, Jahrb. Nassauischen Ver. Naturk. **23-24**: 46, 1870.

The name *Phragmidium obtusum*, sometimes reduced to synonymy with *Phragmidium fragariae*, was occasionally ascribed to G. Winter (Winter 1880), although it is a combination based on *Uredo obtusa* F. Strauss, which was introduced by Winter (1880: 26) as “*Phragmidium obtusum* (Str.)”. However, the name *Phragmidium obtusum* was already cited by Link (in Willdenow 1825: 84) and Tulasne (1854: 147 and 148). Link (l.c.) referred to Kunze & Schmidt, Deutschl. Schwämme no. 120, and Tulasne (l.c.) as well as Winter (l.c.) cited no 312 of this exsiccata.

281. *Phragmidium Fragariae* Rossman. in
lit. et in Rabenh. herbar. mycolog. N. 1987.
In sylva „Lindner Mark“ prope Giessen eodem exi-
guo loco mense Julio reperi, quo anno praeterito specimina
Centur. XX. mense Augusto collegaram. Cl. Rabenhorst
(Cryptogamenfl. Deutschl. I. p. 12) describit Uredinem
(Epiteam) Fragariae, speciem, ut dicit, haud frequentem.
Cognitis egregiis observationibus cl. L. R. Tulasnei (Ann.
d. sc. nat. 4-ième sér. Tom. II. 1854. pag. 78 et seqq.)
animo meditatus sum, — sententia Tulasnei, Epiteam nil
nisi alteram Phragmidii fructificationem praestare, veritatem
amplectente — me Uredinem certe reperi, si locum, quo
anno praeterlapso Phragmidium collegaram, paulo prius
visitem. Sententia viri laudati veritatem relinquente —
haud erat verosimile, Uredinem illam raram in eodem loco
in eadem extensione esse reperiendam, quo solo Phragmi-
dium anno praecedente observaveram. Quum igitur jam
sub fine mensis Julii sylvan supradictam frequentarem,
revera Epiteam reperi et quidem nullibi, nisi loco illo par-
vissimo, quo Phragmidium habitat, sive solam, sive unā
cum fructificatione Phragmidii jam dudum cognita coque
solā adscriptā. Quamvis summo opere in sylvis ceteris
ditionis Gissensis folia Fragariae observarem, minime mihi
contigit, ut Phragmidium — perrarum ut videtur — colligam.
J. Rossman.

Fig. 26

The first introduction of *Phragmidium obtusum*, based on *Uredo obtusa*, is attributable to Kunze & Schmidt, Deutschl. Schwämme 120 issued in 1816 (fig. 27). However, Strauss (1810: 107) cited *Puccinia potentillae* Pers. (non *Uredo potentillae* Schumach. 1803) as basionym for *Uredo obtusa*, i.e., the latter name is a nom. nov. for *Puccinia potentillae* in *Uredo* and a synonym of *Phragmidium potentillae* (Pers.) P. Karst. Schmidt & Kunze (l.c.) used the new name *Uredo obtusa*, proposed by Strauss (l.c.), but they failed to introduce the correct combination *Phragmidium potentilla*, based on the older valid name *Puccinia potentillae*, although they cited the latter name as synonym:

- Phragmidium potentillae*** (Pers.) P. Karst., Bidr. Känn. Finl. Nat. Folk 31: 49, 1878.
 ≡ *Puccinia potentillae* Pers., Syn. meth. fung. (Göttingen) 1: 229, 1801, non *Uredo potentillae* Schumach., 1803.
 ≡ *Uredo obtusa* F. Strauss, Ann. Wetter. Ges. Gesammte Naturk. 2: 107, [“1810”] 1811, non *Uredo potentillae* Schumach. 1803.
 ≡ *Phragmidium obtusum* (F. Strauss) J.C. Schmidt & Kunze, Deutschl. Schwämme, Fünfte Lieferung: 5, 1816, nom. illeg. (Art. 52.1).

*CXX. *Phragmidium obtusum*: sporidiis obtusis septulis tribus, pe-
dicello attenuato. *Aregma obtusata* E. Fries. Obs. myc. I. p. 225.
Uredo obtusa v. *Strauss* l. c. p. 107. *Puccia. Potentillae* Pers.
 Syn. fungor. p. 229. de Lam. et de Cand. Syn. fl. Gall. p. 44.
 In variis *Potentillis*, praesertim *P. argentea* L. et *impolita*
Wahlbg. Autumnalis.

Fig. 27 (Schmidt & Kunze, Deutschl. Schwämme, Fünfte Lieferung: 5, 1816)

Aregma obtusatum is another species previously reduced to synonymy with *Phragmidium fragariae*. Fries (1832) introduced the name *Aregma obtusatum* and cited *Puccinia potentillae*, *P. fragariastri*, and *Uredo obtusa* as synonyms, hence, *Aregma obtusatum* being a superfluous name since the included name *Puccinia potentillae* ought to have been adopted. Later, Fries (1849) reduced *Aregma* to synonymy with *Phragmidium* and introduced *Phragmidium obtusatum*, referring to his illegitimate *Aregma obtusatum*:

Aregma obtusatum Fr. [as “obtusata”], Syst. mycol. (Lundae) 3(2): 497, 1832, nom. illeg. (Art. 52.1).

≡ *Phragmidium obtusatum* (Fr.) Fr., Summa veg. Scand., Sectio Post. (Stockholm): 507, 1849.

Capitularia myelospora Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 3: no. 283, 1856 [Bot. Zeitung 14: 446, 1856; Flora 39: 378, 1856].

= *Uromyces behenis* (DC.) Unger, Einfl. Boden. Verth. Gew.: 216, 1836.

Notes: This is a validly published species with a description in Klotzschii Herb. Viv. Mycol., Ed. Nova, 283 (fig. 28).

283. *Capitularia myelospora* Ces.

Sporis irregularibus, plerumque obovalis, apice intensius colorato, nucleo minute granuloso (nec guttula oleosa constituto), pedicello sat temui $2\frac{1}{2}$ –3 spor. longit. — Sporae (sine pedic.) 14–16/ 500 mill. long. Bugellae (Pedemont.); m. Sept. 1855, ad Silen. inflata Aecidio consociata.

Cesati.

Fig. 28

Roestelia cancellata f. *spermatigera* Bail, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 3: no. 285, 1856 [Bot. Zeitung 14: 447, 1856; Flora 39: 378, 1856].

Notes: This is a valid forma published in Klotzschii Herb. Viv. Mycol., Ed. Nova, 285 (fig. 29).

285. *Roestelia cancellata* forma *spermatigera*.

Legi m. August 1855 in horto botanico Vratislaviensi, ubi tanta erat ejus multitudo vix ut uni Pyrorum folio deesset. Concluseram ex hoc, fore, ut etiam forma sporigera hoc ipso anno frequentissima esset, id quod revera contigisse posteriorius ab amicis certior factus sum. Ceterum jam formae sporigerae primordia in tergo foliorum communicatorum observari possunt.

Th. Bail.

Fig. 29

Cent. 4

Cenangium umbellatarum Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 4: no. 312, 1857 [Bot. Zeitung 15: 93, 1857; Flora 40: 133, 1857].

= *Pyrenopeziza umbellatarum* (Ces.) Rehm, Ber. Bayer. Bot. Ges. 13: 175, 1912.

Notes: This is a valid species published with a description in Klotzschii Herb. Viv. Mycol., Ed. Nova, 312 (fig. 30).

Rabenhorst, Herb. mycologicum Ed. II.

312. *Cenangium umbellatarum*.

Ces. hb. et mss.

Primitus stictidiforme, immersum, pulverulentum; mox reclusum, limbo dentato s. lacero; disco primum luteo v. fuscello, demum fusco v. badio. Ascii e subuloso clavati tenues dense stipati, $2\frac{1}{2}/500$ mill. longi, paraphysisibus parcis rigidulis filiformibus aquilongis intermixtis. Sporae minuta, $3-4/500$ mill., ovalis, obtusa, 1-septatae?

Prima vice jam ao. 1850 singula individua notabilis fungilli mihi occurrerant Vercellis mense Julii in caulibus Oreoselinii; siutra annue perlustravi milles Umbellatae nunc dictae stirpes. Nuperrime tandem in asperis pagi Santhià (ditonis Vercellensis) caules exsiccatos Eryngii vulgaris fungo nostro obiectos vidi, qui hic exhibentur.

De genere forsitan contendendum foret. Erunt forsitan qui *Cryptodiscum* mycetum nostrum appellare maluerint. cum beatus Corda *Cenangiis* sporas nisi simplices tribuat. Sed, et si septatae confirmentur in fungillo hic praebito, cl. Friesii animadversiones ad *Stictis* characteres (cui *Cryptodiscum* revocat) et erga *Cryptodisci* denominationem, pro *Umbellifera* quodam jam usurpato, spernere nolle (cfr. Summa veget. Scand. pag. 373, et 428 ad N. IV).

Santhià (dit. Vercell. in Pedem.) die 7. Jun. 1856.

Cesati.

Fig. 30

Peronospora grisea Unger var. *minor* Casp., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 4: no. 323, 1857 [Bot. Zeitung 15: 94, 1857; Flora 40: 133, 1857].

Notes: This is a valid variety published in Klotzschii Herb. Viv. Mycol., Ed. Nova, 323 (fig. 31). This variety was assigned to *Peronospora grisea*. This species name has to be ascribed to Unger. It was originally based on *Botrytis grisea* Unger, 1833, but this name is an illegitimate

homonym of *Botrytis grisea* (Link : Fr.) Duby, 1830, i.e., the citation as “*Peronospora grisea* (Unger) Unger” as stated in Constantinescu (1991: 45) is not correct and has to be altered to: *Peronospora grisea* Unger, Bot. Zeitung 5(18): 315, 1847.
 ≡ *Botrytis grisea* Unger, Die Exantheme der Pflanzen: 172, 1833, nom. illeg. (Art. 53.1).

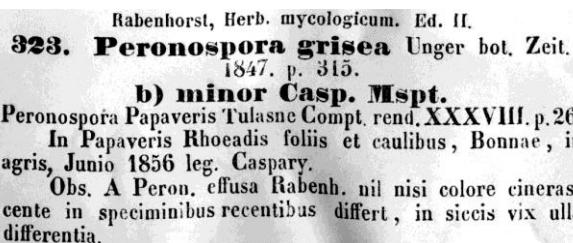


Fig. 31

Peronospora lamii A. Braun, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 4: no. 325, 1857 [Bot. Zeitung 15: 94, 1857; Flora 40: 133, 1857].

Notes: This is a valid species published with a description in Klotzschii Herb. Viv. Mycol., Ed. Nova, 325 (fig. 32).

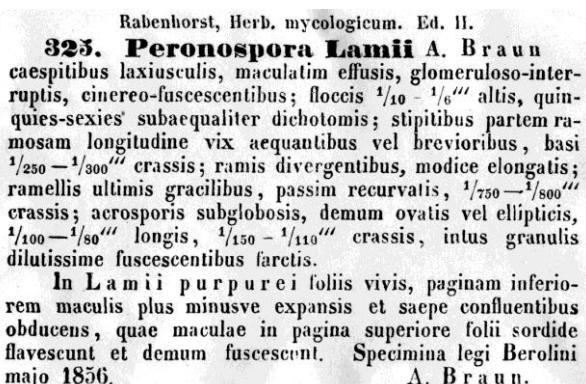


Fig. 32

Cylindrosporium phaseoli Rabenh. (as “*Cylindrospora*”), Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 4: no. 327, 1857 [Bot. Zeitung 15: 94, 1857; Flora 40: 134, 1857], nom. nud.

Torula pinophila (Nees) Chevall. var. *ericicola* Rabenh. (as “*ericaecola*”), Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 4: no. 331b, 1857 [Bot. Zeitung 15: 94, 1857; Flora 40: 134, 1857], nom. nud.

Helminthosporium gramineum Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 4: no. 332, 1857 [Bot. Zeitung 15: 94, 1857; Flora 40: 134, 1857].

Notes: This is a valid species published with a diagnosis on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 332 (fig. 33).



Fig. 33

Puccinia alliorum (DC.) Casp., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 4: no. 351, 1857 [Bot. Zeitung 15: 95, 1857; Flora 40: 134, 1857], nom. illeg. (Art. 53.1), non Corda, 1840.

≡ *Uredo alliorum* DC., in de Candolle & Lamarck, Fl. franç., Edn 3 (Paris) **5/6**: 82, 1815.

Uromyces apiculatus (F. Strauss) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 4: no. 362, 1857 [Bot. Zeitung **15**: 95, 1857; Flora **40**: 135, 1857].

≡ *Uredo apiculata* F. Strauss, Ann. Wetter. Gesellsch. Ges. Naturk. **2**: 97 [“1810”] 1811.

Notes: This combination was validly published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 362 (fig. 34). Var. *trifolii* (no. 36), var. *pisi-sativi* (no. 363), and var. *phaseoli* (no. 364) are nomina nuda.



Fig. 34

Uromyces muricella (Wallr.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 4: no. 366, 1857 [Bot. Zeitung **15**: 95, 1857; Flora **40**: 135, 1857].

≡ *Erysibe muricella* Wallr., Fl. crypt. Germ. (Norimbergae) **2**: 208, 1833.

≡ *Uredo muricella* (Wallr.) Rabenh., Deutschl. Krypt.-Fl. (Leipzig) **1**: 6, 1844.

Notes: This combination was validly published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 366 (fig. 35).

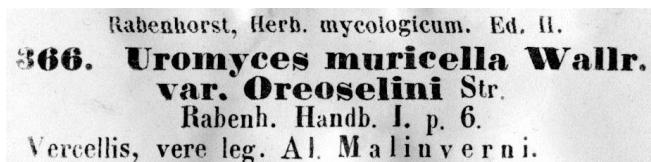


Fig. 35

Uromyces muricella (Wallr.) Rabenh. var. *oreoselini* (F. Strauss) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 4: no. 366, 1857 [Bot. Zeitung **15**: 95, 1857; Flora **40**: 135, 1857].

≡ *Uredo oreoselini* F. Strauss, Ann. Wetter. Gesellsch. Ges. Naturk. **2**: 87, [“1810”] 1811.

Notes: This combination was published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 366 (fig. 35).

Aecidium compositarum Mart. var. *lapsanae* Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 4: no. 370, 1857 [Bot. Zeitung **15**: 95, 1857; Flora **40**: 135, 1857], nom. nud.

Coleosporium senecionis (Schumach.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 4: no. 379, 1857 [Bot. Zeitung **15**: 95, 1857; Flora **40**: 135, 1857].

≡ *Uredo senecionis* Schumach., Enum. Pl. **2**: 229, 1803.

≡ *Caeoma senecionis* (Schumach.) Schldl., Fl. berol. (Berlin) **2**: 119, 1824.

≡ *Uredo farinosa* B. senecionis Pers., Syn. meth. fung. (Göttingen) **1**: 218, 1801.

≡ *Coleosporium senecionis* (Pers.) Fr., Fl. Crypt. Flandres (Paris) **2**: 53, 1867, nom. illeg. (Art. 53.1), non (Schumach.) Rabenh., 1857.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 379 (fig. 36). Rabenhorst (l.c.) cited “Schlecht.” as author of the basionym, which refers to *Caeoma senecionis* (Schumach.) Schldl., based on *Uredo senecionis* Schumach.

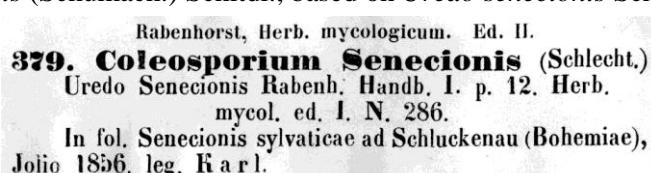


Fig. 36

Epitea longicapsula (DC.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 4: no. 384, 1857 [Bot. Zeitung **15**: 95, 1857; Flora **40**: 135, 1857].

≡ *Uredo longicapsula* DC., Fl. franç., Edn 3 (Paris) **2**: 233, 1805.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 384 (fig. 37).

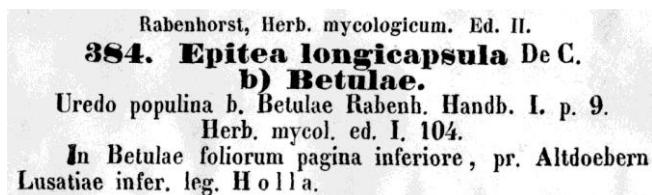


Fig. 37

Uredo leguminosarum Link var. *medicaginis* Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 4: no. 386, 1857 [Bot. Zeitung **15**: 95, 1857; Flora **40**: 135, 1857], nom. nud.

Uredo falcariae (DC.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 4: no. 390, 1857 [Bot. Zeitung **15**: 96, 1857; Flora **40**: 135, 1857], nom. illeg. (Art. 53.1), non Spreng., 1827 (fig. 38).

≡ *Aecidium falcariae* DC., in de Candolle & Lamarck, Fl. franç., Edn 3 (Paris) **5/6**: 91, 1815.



Fig. 38

Podocystis lini (DC.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 4: no. 391, 1857 [Bot. Zeitung **15**: 96, 1857; Flora **40**: 135, 1857], nom. illeg. (Art. 53.1), non (Ehrenb.) Fr. 1849 (fig. 39).

≡ *Uredo lini* DC., in Lamarck & de Candolle, Fl. franç., Edn 3 (Paris) **2**: 234, 1805.

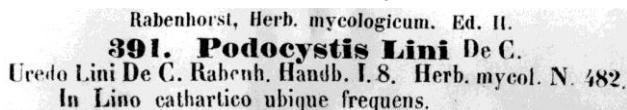


Fig. 39

Podocystis aecidioides (DC.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 4: no. 392, 1857 [Bot. Zeitung **15**: 96, 1857; Flora **40**: 135, 1857].

≡ *Uredo aecidioides* DC., in Lamarck & de Candolle, Fl. franç., Edn 3 (Paris) **2**: 236, 1805.

≡ *Melampsora aecidioides* (DC.) J. Schröt., in Cohn, Krypt.-Fl. Schlesien (Breslau) **3.1**(17–24): 362 [“1889”] 1887.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 392 (fig. 40).

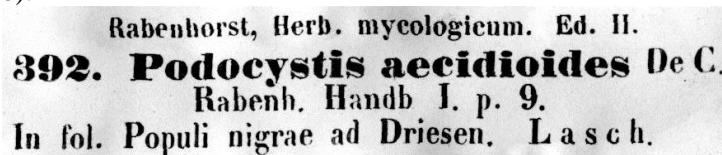


Fig. 40

Urocystis occulta (Wallr.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 4: no. 393, 1857 [Bot. Zeitung **15**: 96, 1857; Flora **40**: 135, 1857].

≡ *Erysibe occulta* Wallr., Fl. crypt. Germ. (Norimbergae) **2**: 212, 1833.

≡ *Polycystis occulta* (Wallr.) Schldl., Bot. Zeitung **10**: 602, 1852.

≡ *Urocystis occulta* (Wallr.) A.A. Fisch. Waldh., Bull. Soc. Imp. Nat. Moscou **40**: 257, 1867, isonym.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 393 (fig. 41).

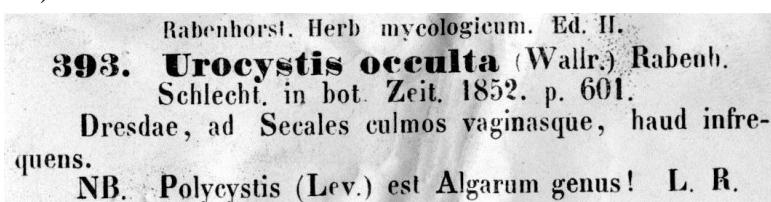


Fig. 41

Ustilago destruens (Schltdl.) Rabenb., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 4: no. 400, 1857 [Bot. Zeitung 15: 96, 1857; Flora 40: 135, 1857].

≡ *Caeoma destruens* Schltdl., Fl. berol. (Berlin) 2: 130, 1824.

≡ *Sporisorium destruens* (Schltdl.) Vánky, Symb. Bot. Upsal. 24(2): 115, 1985.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 400 (fig. 42).

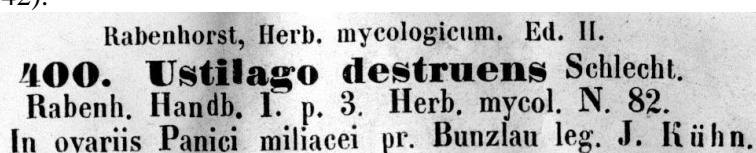


Fig. 42

Cent. 5

Agaricus elasticus Lasch, in Rabenb., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 5: no. 405, 1857 [Bot. Zeitung 15: 171, 1857; Flora 40: 135, 1857], nom. illeg. (Art. 53.1), non Bolton 1788 (fig. 43).

≡ *Collybia elastica* Sacc. (as “(Lasch) Sacc.”), Syll. fung. (Abellini) 5: 212, 1887.

≡ *Flammulina elastica* (Sacc.) Redhead & R.H. Petersen, Mycotaxon 71: 293, 1999.

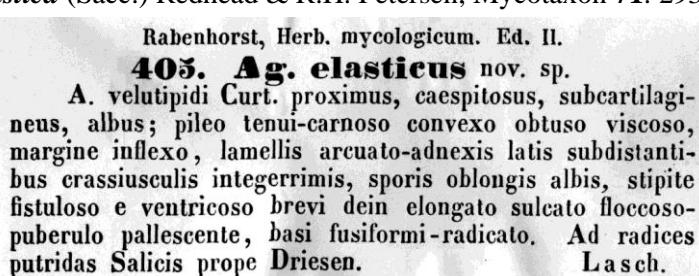


Fig. 43

Sphaeronaema amenticola Ces. (as “amenticolum”) in Rabenb., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 5: no. 440, 1857 [Bot. Zeitung 15: 173, 1857; Flora 40: 136, 1857].

≡ *Gnomonia amenticola* (Ces.) Příhoda, Česká Mykol. 10(2): 122, 1956.

Notes: This is a valid species published with a diagnosis on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 440 (fig. 44).

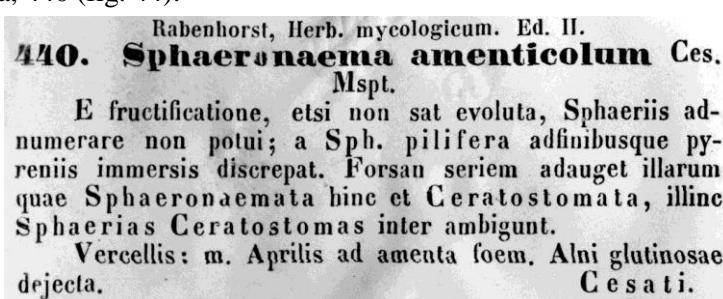


Fig. 44

Spilosphaeria Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 5: no. 442a, 1857 [Bot. Zeitung **15**: 173, 1857; Flora **40**: 137, 1857].

Notes: The genus name *Spilosphaeria* was validly published in Klotzschii Herb. Viv. Mycol., Ed. Nova, 442a (fig. 45), with *Septoria polygonorum* Desm. as type species.

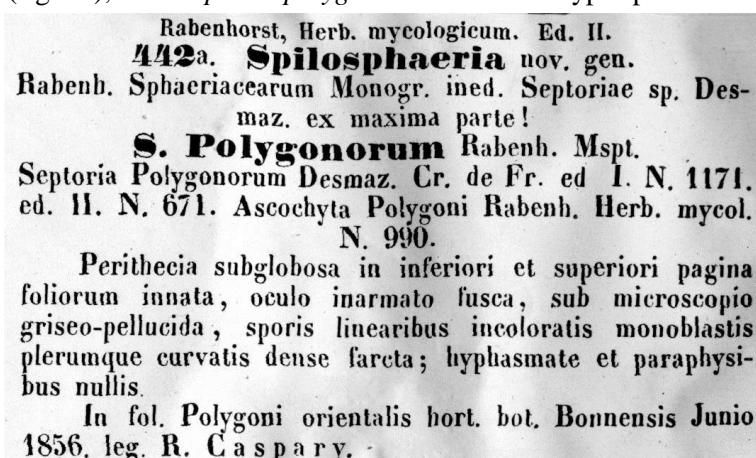


Fig. 45

Spilosphaeria polygonorum (Desm.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 5: no. 442a, 1857 [Bot. Zeitung **15**: 173, 1857; Flora **40**: 137, 1857].

≡ *Septoria polygonorum* Desm., Ann. Sci. Nat., Bot., Sér. 2, **17**: 108, 1842.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 442a (fig. 45).

Heterosphaeria patella (Tode) Grev. var. *campestris* (Fr.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 5: no. 447, 1857 [Bot. Zeitung **15**: 173, 1857; Flora **40**: 137, 1857].

≡ *Phacidium patella* var. *campestre* Fr., Elench. fung. (Greifswald) **2**: 134, 1828.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 447 (fig. 46).

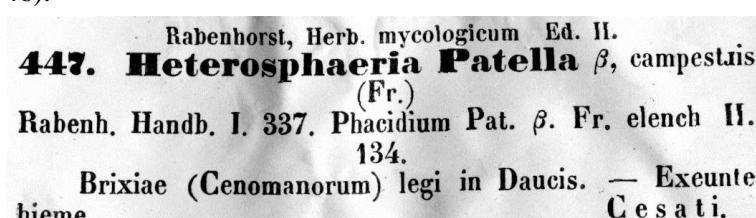


Fig. 46

Phyllosticta cornicola (DC.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 5: no. 454, 1857 [Bot. Zeitung **15**: 173, 1857; Flora **40**: 137, 1857].

≡ *Sphaeria lichenoides* Sowerby var. *cornicola* DC., in de Candolle & Lamarck, Fl. franç., Edn 3 (Paris) **5/6**: 148, 1815.

≡ *Septoria cornicola* (DC.) Desm., Index Generum, Specierum et Synonymorum in J.B.H.J. Desmazières, Plantes Cryptogams de France. Edit. 1, Ser, 1, Fasc. I-XLIV, 1825-1851. Edit. II, Ser. 1, Fasc. I-XXXVII, 1836-1851 (Lille [Leleux]): 24, 1851.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 454 (fig. 47).

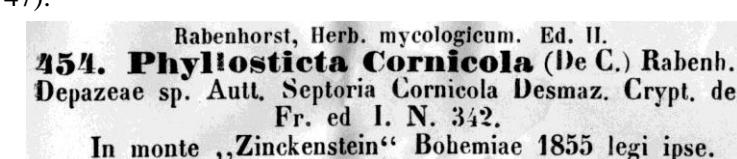


Fig. 47

Peronospora affinis Rossmann, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 5: no. 489, 1857 [Bot. Zeitung 15: 174, 1857; Flora 40: 138, 1857].

Notes: This is a valid species published with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 489 (fig. 48).

Rabenhorst, Herb. mycologicum. Ed. II.

489. *Peronospora affinis* Rossm. mscr.

Caespitosus griseo-albidus; stipitibus gracilibus, erectis,
 $\frac{1}{9}'' - \frac{1}{5}''$ altis, ter-quater dichotome ramosis; ramellis
ultimi ordinis curvatis, altero saepius plus minus retroflexo;
acrosporis ovalibus, granulis griseis repletis, $\frac{1}{137}'' - \frac{1}{108}''$
latis et $\frac{1}{108}'' - \frac{1}{91}''$ longis.
Peronosporae effusae (Rabenh. in Klotzsch. herb. mycol.
Nr. 1880; Caspary in Monatsber. d. Kgl. Gr. Akad. d.
W. zu Berlin, Mai 1855 p. 329; Flora 1855 p. 487)
arcte affinis colore albido-griseo, non violaceo-griseo et
acrosporis latioribus differt. A *Peronospora Alsinearum*
Casp. l. c. amplius recedit ramellis ultimi ordinis haud
admodum elongatis et acrosporis minoribus.
Habitat in foliis Fumariae officinalis, paginam inferio-
rem omnino obducens. Folia aegrota colore flavescente,
denique nigrescente jam procul distinguuntur.
Legi prope Giessen, Junio 1856. J. Rossmann.

Fig. 48

Peronospora effusa (Gev.) Rabenh. var. *intermedia* Casp., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 5: no. 490, 1857 [Bot. Zeitung 15: 174, 1857; Flora 40: 138, 1857].

= *Botrytis viciae* Berk., J. Hort. Soc., London 1: 31, 1846.

≡ *Peronospora viciae* (Berk.) Casp., Ber. Bekanntm. Verhandl. Königlich Preuss. Akad. Wissensch. Berlin 3: 330, 1855.

= *Peronospora viciae-sativae* Gäm., Beitr. Kryptfl. Schweiz 5(4): 219, 1923.

Notes: This is a valid variety published with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 490 (fig. 49). The type host ("Vicia") is *V. sativa* subsp. *nigra* (= *V. angustifolia*). The material deposited at HAL has been examined and the synonymy with *P. viciae* has been confirmed.

Rabenhorst, Herb. mycologicum. Ed. II.

490. *Peronospora effusa* Rabenh.

c) var. *intermedia*.

Floccis oculo nudo (etiam in statu sicco) violaceo-griseis,
stipitibus $\frac{1}{6} - \frac{1}{4}''$ par. duodec. altis, ramosis, ordinibus
ramorum 3–4, ramellis ultimorum ordinum subrectis, sae-
pius divaricatis, ramellis penultimorum ordinum dichotome
divisis; acrosporis $\frac{1}{100} - \frac{1}{81}''$ longis, $\frac{1}{138} - \frac{1}{125}''$ latis.
In foliis, petiolis, caulibus Viciae pr. Bonnam leg.
J. Rühn.
Botrytis Viciae Berkeley (Trans. Lond. hort. soc. 1846. I.
p. 31. Tab. 4. fig. 23) differt a Per. eff. c) *intermedia*
colore niveo. R. Caspary.

Fig. 49

Oidium fusicoloroides Fr. var. *glechomatis* Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 5: no. 491, 1857 [Bot. Zeitung 15: 174, 1857; Flora 40: 138, 1857].

≡ *Fusisporium calceum* Desm., Ann. Sci. Nat., Bot., Sér. 2, 17: 95, 1842.

= *Ramularia calcea* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 17: no. 1681, 1852.

Notes: Rabenhorst introduced "var. *glechomatis*" without description/diagnosis, but cited *Fusisporium calceum* as synonym (fig. 50). Therefore, var. *glechomatis* represents a new name introduced at variety rank and is a homotypic synonym of *Fusisporium calceum*. *Ramularia calcea* (l.c.) was introduced by Cesati without any reference to *Fusisporium calceum*.

Rabenhorst, Herb. mycologicum. Ed. II.
491. Oidium Fusisporioides Fr.
 var. *Glechomatis* Rabenh. Mspt.
Fusisporium calceum Desm. Crypt. de Fr. ed. I. N. 1151.
 In foliis Glechomatis hederaceae pr. Doemitz leg.
 Fiedler.

Fig. 50

Oidium fusisporioides Fr. var. *lamii* Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 5: no. 492, 1857 [Bot. Zeitung 15: 174, 1857; Flora 40: 138, 1857], nom. nud.

Melampsora salicinum (Pers. ex DC.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 5: no. 494, 1857 [Bot. Zeitung 15: 174, 1857; Flora 40: 138, 1857].

≡ *Sclerotium salicinum* Pers. ex DC., in de Candolle & Lamarck, Fl. franç., Edn 3 (Paris) 5/6: 114, 1815.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 494 (fig. 51).

Rabenhorst, Herb. mycologicum. Ed. II.
494. Melampsora salicinum (Pers.)
Sclerotium salicinum Pers. Rabenh. Herb. mycol. ed. I.
 N. 1476. Desm. Crypt. de Fr. ed. I, N. 33. ed. II/N. 953.
 Dresdae, in foliis Salicis dejectis, autumnis vulgaris.

Fig. 51

Puccinia granulata de Bary, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 5: no. 499, 1857 [Bot. Zeitung 15: 174, 1857; Flora 40: 138, 1857].

= *Puccinia ribis* DC., in Lamarck & de Candolle, Fl. franç., Edn 3 (Paris) 2: 221, 1805.

Notes: This is a valid species published with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 499 (fig. 52).

Rabenhorst, Herb. mycologicum. Ed. II.
499. Puccinia granulata D. By.
P. pulvillis minutis rotundis, circinatim maculis folij (Rib. rubri) flavis impositis, demum confluentibus, fusco-atris. Fructibus breviter pedicellatis, utrinque obtuse rotundatis, 1/70 " long, 1/120 " latis; sporis singulis subhemisphaericis: episporio fusco, subtiliter granulato-aspero.
E foliorum Rib. rubri pagina praesertim superiori erumpit. Uredinem atque spermogonia hujus speciei nondum vidi.
Legi in valle Höllenthal Silvae nigrae, Auctumno 1856.
A Pucc. Ribis. DC., Corda Icon. fung. Tom. IV.
planta nontra sporarum forma et episporio granulato differt.
 A. de Bary.

Fig. 52

Tilletia endophylla de Bary, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 5: no. 500, 1857 [Bot. Zeitung 15: 174, 1857; Flora 40: 138, 1857].

= *Tilletia olida* (Riess) G. Winter, Rabenh. Krypt.-Fl., Edn 2 (Leipzig) 1.1: 107 ["1884"] 1881.

Notes: This is a valid species published with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 500 (fig. 53).

Rabenhorst, Herb. mycologicum. Ed. II.
500. Tilletia endophylla D. By.
T. mycelii hyphis tenuibus laxe ramosis, intricatis, ramulis lateralibus brevioribus sporas singulas terminales gerentibus; sporis sphaericis (diam. 1/120 " — 1/107 " episporio fusco-violaceo, eleganter clathrato.
Brachypodij pinnati folia habitat, et perenchymata inter nervos destrusto, strias ibi lineares, dense paralleles, 1" — 1 1/2" longas, modo Ustilaginis longissimae praebet, primum albidas, mox fusco-violaceas, epidermide demum rupta in sporarum pulverem secedentes.
Legi Friburgi Brisgoviae, Juni 1856. De Bary.

Fig. 53

Cent. 6

Excipula phaeotricha Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 515, 1857 [Bot. Zeitung 15: 405 1857; Flora 40: 378, 1857].

Notes: This is a valid species published with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 515 (fig. 54).

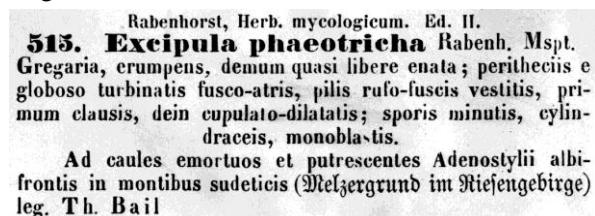


Fig. 54

Phacidium populi Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 519, 1857 [Bot. Zeitung 15: 405 1857; Flora 40: 378, 1857].

Notes: This is a valid species published with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 519 (fig. 55).

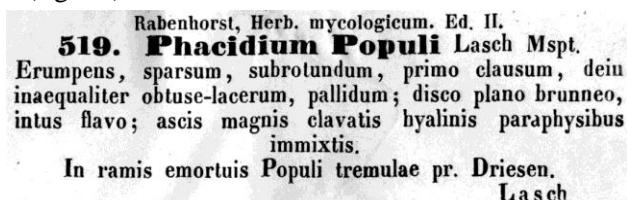


Fig. 55

Cryptodiscus lichenicola Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 523, 1857 [Bot. Zeitung 15: 406 1857; Flora 40: 379, 1857].

Notes: This is a valid species published with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 523 (fig. 56).

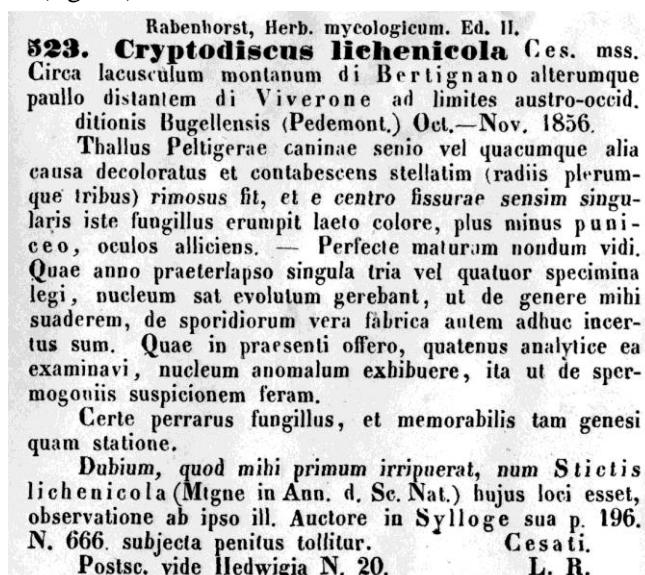


Fig. 56

Sphaeria oropensis Ces. and *Nectria oropensis* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 524, 1857 [Bot. Zeitung 15: 406 1857; Flora 40: 379, 1857].

≡ *Paranectria oropensis* (Ces.) D. Hawksw. & Piroz., Canad. J. Bot. 55(19): 2555, 1977.

Notes: *Sphaeria oropensis* Ces. and *Nectria oropensis* Ces. are two valid species names published simultaneously as alternative names (Art. 36.3, published before 1953) with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 524 (fig. 57).

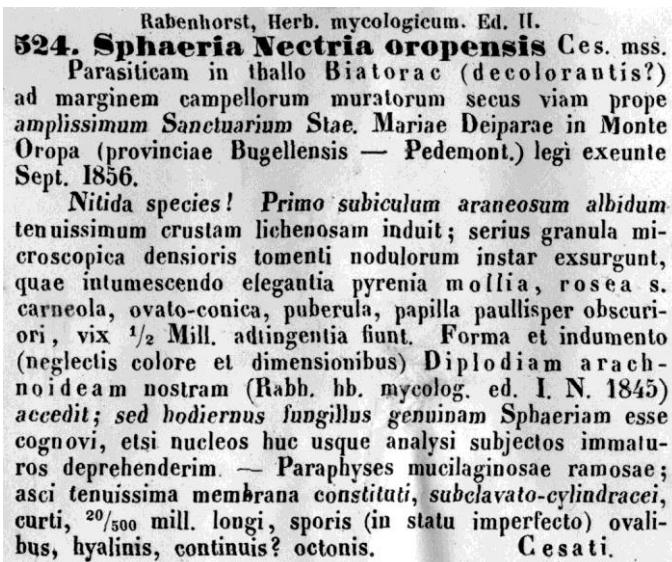


Fig. 57

Sphaeria lecanodes Ces. and *Nectria lecanodes* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 525, 1857 [Bot. Zeitung 15: 407 1857; Flora 40: 380, 1857].

≡ *Nectriopsis lecanodes* (Ces.) Diederich & Schroers, in Sérusiaux, Diederich, Brand & van den Boom, Lejeunia, n.s. 162: 56, 1999.

Notes: *Sphaeria lecanodes* Ces. and *Nectria lecanodes* Ces. are two valid species names published simultaneously as alternative names (Art. 36.3, published before 1953) with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 525 (fig. 58).

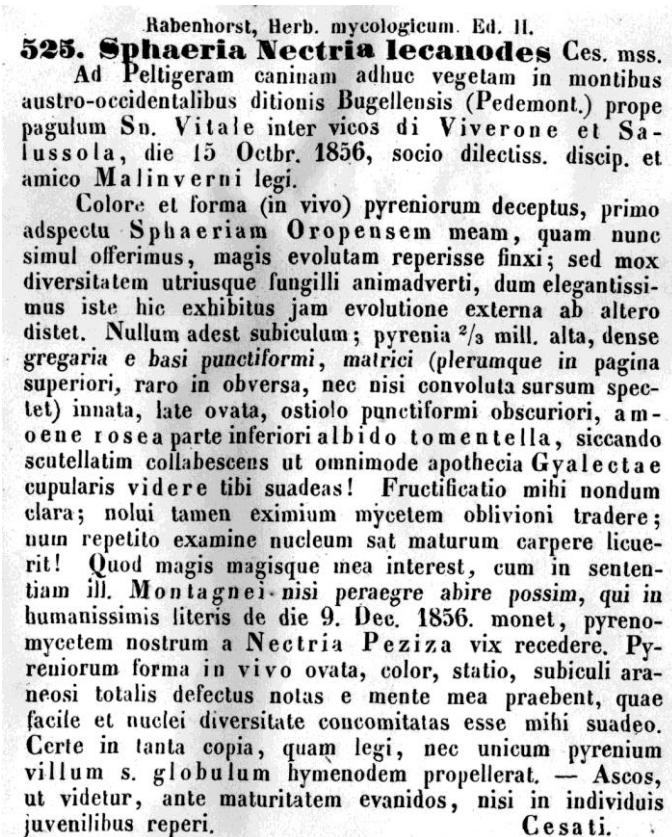


Fig. 58

Rhaphidospora disseminans (Riess) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 530, 1857 [Bot. Zeitung **15**: 427 1857; Flora **40**: 381, 1857].

≡ *Ophiobolus disseminans* Riess, Hedwigia **1**(6): 27, 1854.

≡ *Rhaphidospora disseminans* (Riess) Ces. & De Not., Comm. Soc. Crittog. Ital. **1**(4): 233, 1863, isonym.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 530 (fig. 59).

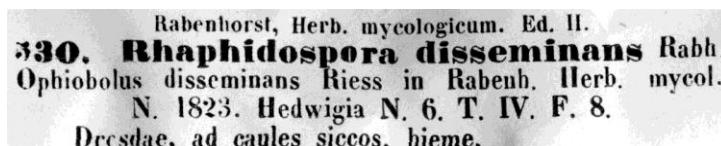


Fig. 59

Leptospora huebneri Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 531, 1857 [Bot. Zeitung **15**: 427 1857; Flora **40**: 381, 1857], nom. nud.

≡ *Rhaphidophora huebneri* Ces. & De Not. (as "(Rabenh.) Ces. & De Not."), Comm. Soc. Crittog. Ital. **1**(4): 234, 1863.

≡ *Ophiobolus huebneri* (Ces. & De Not.) Sacc. (as "(Rabenh.) Sacc."), Syll. fung. (Abellini) **2**: 353, 1883.

Leptospora rubella (Pers.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 532, 1857 [Bot. Zeitung **15**: 427 1857; Flora **40**: 381, 1857].

≡ *Sphaeria rubella* Pers., Syn. meth. fung. (Göttingen) **1**: 63, 1801.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 532 (fig. 60).

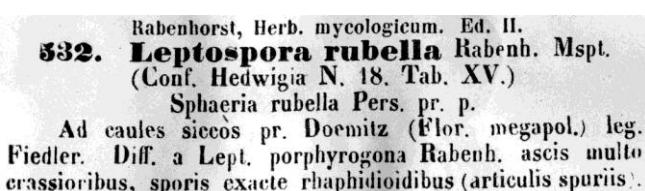


Fig. 60

Sphaeria polypodii Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 533, 1857 [Bot. Zeitung **15**: 427 1857; Flora **40**: 381, 1857].

≡ *Plectosphaera polypodii* (Rabenh.) Arx, in von Arx & Müll, Beitr. Kryptfl. Schweiz **11**(1): 208, 1954.

Notes: This is a valid species published with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 533 (fig. 61).

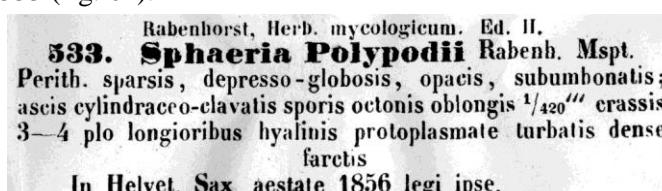


Fig. 61

Sphaeria aggregata Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 541, 1857 [Bot. Zeitung **15**: 428 1857; Flora **40**: 381, 1857], nom. nud.

≡ *Cenangium aggregatum* Fuckel (as "(Lasch) Fuckel"), Jahrb. Nassauischen Vereins Naturk. **23-24**: 271 ["1869-70"] 1870.

≡ *Leptosphaeria aggregata* (Fuckel) O.E. Erikss., Non-lichenized Pyrenomycetes of Sweden (Lund): 7, 1992.

Sphaeria herbarum Pers. var. *hyoscyami* Lasch and *Sphaeria vera* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 544, 1857 [Bot. Zeitung 15: 428 1857; Flora 40: 381, 1857], nom. nud.

Notes: *Sphaeria herbarum* Pers. var. *hyoscyami* Lasch and *Sphaeria vera* Lasch are alternative names, but they were published without any description.

Sphaeria urticae Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 545, 1857 [Bot. Zeitung 15: 428 1857; Flora 40: 381, 1857], nom. nud.

Pleospora herbarum (Pers.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 547a, 1857 [Bot. Zeitung 15: 428 1857; Flora 40: 381, 1857].

≡ *Sphaeria herbarum* Pers., Syn. meth. fung. (Göttingen) 1: 78, 1801.

Notes: This combination was validly published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 547a (fig. 62). However, the genus name *Pleospora* was not validly published under no. 547 (lacking description), but it was validated in Cent. 6 under no. 548. *Pleospora herbarum* var. *alii* (Desm.) Rabenh. (no. 547a), var. *anethi* Rabenh. (no. 547d), var. *brassicae* Rabenh. (no. 547b), var. *fabae* Rabenh. (no. 547c), and var. *lupini* Rabenh. (no. 547e) are invalid names.



Fig. 62

Pleospora Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 548, 1857 [Bot. Zeitung 15: 428 1857; Flora 40: 382, 1857].

Notes: The combination *Pleospora leguminum* (Wallr.) Rabenh. was introduced on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 548 (fig. 63), supplemented by a Latin description which validates the genus name *Pleospora*.

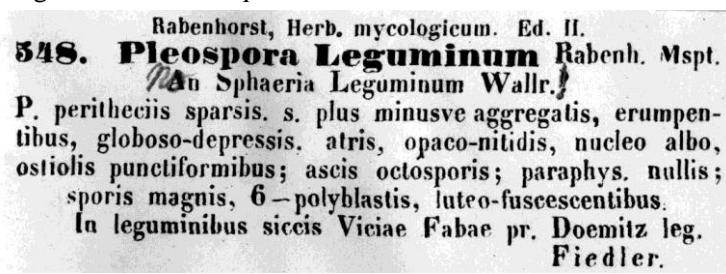


Fig. 63

Pleospora leguminum (Wallr.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 548, 1857 [Bot. Zeitung 15: 428 1857; Flora 40: 382, 1857].

≡ *Sphaeria leguminum* Wallr., Fl. crypt. Germ. (Norimberga) 2: 771, 1833.

Notes: The combination *Pleospora leguminum* (Wallr.) Rabenh. was validly introduced on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 548 (fig. 63)

Spilosphaeria chelidonii (Lib.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 552, 1857 [Bot. Zeitung 15: 428 1857; Flora 40: 382, 1857].

≡ *Ascochyta chelidonii* Lib., Pl. crypt. exsicc.: no. 204, 1834.

≡ *Septoria chelidonii* (Lib.) Desm., Ann Sci. Nat., Bot., Sér. 2, 17: 110, 1842.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 552 (fig. 64).

Rabenhorst, Herb. mycologicum. Ed. II.
552. *Spilosphaeria Chelidonii* Rabenh. Mspt.
Sphaeria lichenoides var. Chelidonicola De C. Flor. fr. suppl.
Ascochyta Chelidonii Lib. Plant. crypt. Ard. Rabenh. Herb.
mycol. Ed. I. N. 679
Septoria Chelidonii Desmaz. Crypt. de Fr. Ed. I. N. 1176.
Ed. II N. 676.
Prope Altdöbern (Lasat. infer.), autumno 1856 leg.
Holla. Obs. Sporae numerosissimae aciculares (rhopidioides) ut in Rhaphidospora, sed unicellulares; et asci et paraphyses desunt.

Fig. 64

Spilosphaeria ruborum Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 553, 1857 [Bot. Zeitung 15: 428 1857; Flora 40: 382, 1857].

Notes: This is a valid species published with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 553 (fig. 65).

Rabenhorst, Herb. mycologicum. Ed. II.
553. *Spilosphaeria Ruborum* Rabenh. Mspt.
Perith minuta, innata, convexa, demum ore aperta; sporae
aciculares, hyalinae, graciles, absque ascis.
Dresdae, ad folia Rubi Idaei in hortis.

Fig. 65

Spilosphaeria callae (Lasch ex Rabenh.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 554, 1857 [Bot. Zeitung 15: 428 1857; Flora 40: 382, 1857].

≡ *Sphaeria (Depazea) callae* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 4: no. 368, 1842 [and Bot. Zeitung 1: 517, 1843], nom. nud.

≡ *Depazea callae* Lasch ex Rabenh., Deutschl. Krypt.-Fl. 1 (Pilze): 138, Leipzig 1844.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 554 (fig. 66).

Rabenhorst, Herb. mycologicum. Ed. II.
554. *Spilosphaeria Callae* Rabenh. Mspt.
Depazea Callae Lasch in Rabenh. Herb. mycol. N. 368.
In foliis Callae palustris pr. Altdöbern (Lusatiae infer.),
Augusto 1856. leg. R. Holla.

Fig. 66

Spilosphaeria hepaticae (Desm.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 555, 1857 [Bot. Zeitung 15: 428 1857; Flora 40: 382, 1857].

≡ *Septoria hepaticae* Desm., Ann. Sci. Nat., Bot., Sér. 2 19: 340, 1843.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 555 (fig. 67).

Rabenhorst, Herb. mycologicum. Ed. II.
555. *Spilosphaeria Hepaticae* Rabenh. Mspt.
Depazea Hepaticaecola Duby Bot gall II. p. 712. Septoria
Hepaticae Desmaz. Cr. de Fr. ed. I. N. 1332. ed. II. N.
732. Mém. de la Soc. royale des Sc., de l'Agricult. et
des Arts de Lille. 1843 Mars. p. 25.
Dresdae, in foliis languescentibus Hepaticae, vere 1856.

Fig. 67

Spilosphaeria tiliae (Lasch) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 556, 1857 [Bot. Zeitung 15: 428 1857; Flora 40: 382, 1857].

≡ *Ascochyta tiliae* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 12: no. 1160, 1847.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 556 (fig. 68).

Rabenhorst, Herb. mycologicum. Ed. II.
556. *Spilosphaeria Tiliae* Rabenb. Mspt.
Ascochyta Tiliae Lasch in Rabenh. Herb. mycol. N. 1160.
Septoria Tiliae Rabenb. in litt.
Dresdae (ipse); pr. Giessen (H. Hofmann); pr. Alt-
döbern (Holla).

Fig. 68

Spilosphaeria scabiosae (Rabenh.) Rabenb., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 557, 1857 [Bot. Zeitung 15: 428 1857; Flora 40: 382, 1857].

≡ *Ascochyta scabiosae* Rabenb., Klotzschii Herb. Viv. Mycol., Cent. 13: no. 1253, 1854.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 557 (fig. 69). Rabenhorst (l.c.) cited *Septoria scabiosicola* Desm., Ann. Sci. Nat., Bot., Sér. 3, 20: 96, 1853 as synonym, i.e., an older name that ought to have been adopted, but the combination, based on a valid basionym, is nevertheless valid (Art. 52.4).

Rabenhorst, Herb. mycologicum. Ed. II.
557. *Spilosphaeria Scabiosae* Rabenb.
Ascochyta Scabiosae Rabenb. Herb. mycol. N. 1253. Depazea purpurascens var. Scabiosae Kickx Flor. crypt. de Louvain; D. Scabiosaecola Desmaz. Cr. de Fr. ed. I. N. 722. ed. II. N. 179. Septoria Scabiosaecola Desmaz. in Ann. des Sc. nat. T. XX.
Ad folia viva Scabiosae succisae pr. Zschopau (Saxoniae) legi ipse; pr. Schluckenau (Bohemiae) leg. Karl.

Fig. 69

Spilosphaeria saponariae (DC.) Rabenb., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 558, 1857 [Bot. Zeitung 15: 428 1857; Flora 40: 382, 1857].

≡ *Sphaeria saponariae* DC., in de Candolle & Lamarck, Fl. franç., Edn 3 (Paris) 6: 146, 1815.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 558 (fig. 70).

Rabenhorst, Herb. mycologicum. Ed. II.
558. *Spilosphaeria Saponariae* (DeC.) Rbh.
Depazea Dianthi Alb. et Schw. Fr. Rabenb. Handb. I. p. 137. D. Dianthi b, Saponariae Desmaz. Cr. de Fr. ed. I. N. 990 ed. II. N. 290. Naemaspora epiphylla DeC. Syn. Flor. gall Sphaeria Saponariae DeC. Flor. fr. Suppl.
Ad folia Saponariae off. pr. Doemitz leg. Fiedler.

Fig. 70

Spilosphaeria cannabis (Lasch) Rabenb., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 559, 1857 [Bot. Zeitung 15: 428 1857; Flora 40: 382, 1857].

≡ *Ascochyta cannabis* Lasch, in Rabenb., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1059, 1846.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 559 (fig. 71).

Rabenhorst, Herb. mycologicum. Ed. II.
559. *Spilosphaeria Cannabis* Rabenb.
Ascochyta Cannabis Lasch in Rabenh. Herb. mycol. N. 1059.
Depazea Cannabis Autt.
In foliis Cannabis pr. Giessen leg. H. Hofmann.

Fig. 71

Spilosphaeria petroselini Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 560, 1857 [Bot. Zeitung **15**: 428 1857; Flora **40**: 382, 1857].

Notes: This is a validly published species with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 560 (fig. 72).

Rabenhorst, Herb. mycologicum. Ed. II.
560. **Spilosphaeria Petroselini** Rbh. Mspt.
Maculis albidis nitentibus, dein fuscouscentibus; perith. numerosis, subglobosis, innato-prominulis; cirrhis albidis; sporis linearibus, gracilibus, rectis v. curvatis.
In foliis Apii Petroselini pr. Doemitz leg. Fiedler
(N. 293.)

Fig. 72

Carlia Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 567, 1857 [Bot. Zeitung **15**: 429 1857; Flora **40**: 382, 1857].

Notes: The genus *Carlia* was validly published with a descriptions on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 567 (fig. 73).

Rabenhorst, Herb. mycologicum Ed. II.
Carlia Rabenh. Mspt.
Sphaeriacearum nov. genus, Hormosporae DeN. affine.
Peritheria minuta subglobosa e macula prominula.
Sporae sphaericæ initio torulodi-concatenatae, episporio crasso, brunneo. Ascii nulli.
567. **C. Oxalidis** Rabenh. perith. atris in macula fusco-subsphecelata, sporis minutissimus fuscis toruloidibus.
In fol. Oxalidis hortorum pr. Schluckenau (Bohemiae) leg. W. Karl.

Fig. 73

Carlia oxalidis Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 567, 1857 [Bot. Zeitung **15**: 429 1857; Flora **40**: 382, 1857].

= *Laestadia oxalidis* (Rabenh.) Sacc., Syll. fung. (Abellini) **1**: 429, 1882.

= *Mycosphaerella oxalidis* (Rabenh.) Magnus, Österr. Bot. Z. **44**(6): 203, 1894.

= *Mycosphaerella depazeiformis* (Auersw.) Lindau ("depazeiformis"), Hilfsb. Sammeln Ascomyc. (Berlin): 72, 1903

Notes: *Carlia oxalidis* was validly published with a descriptions on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 567 (fig. 73). Aptroot (2006: 147) reduced this species to synonymy with *Mycosphaerella depazeiformis*.

Passalora penicillata Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 587, 1857 [Bot. Zeitung **15**: 429 1857; Flora **40**: 383, 1857].

= *Cercospora penicillata* (Ces.) Fresen., Beitr. Mykol. **3**: 93, 1863.

= *Phaeoramularia penicillata* (Ces.) X.J. Liu & Y.L. Guo, Acta Phytopathol. Sin. **12**(4): 13, 1982.

= *Exosporium depazeoides* Desm., Ann. Sci. Nat., Bot., Sér. 3, **11**(2): 364, 1849.

= *Cercospora depazeoides* (Desm.) Sacc., Mycoth. ven.: no. 187, 1875.

= *Pseudocercospora depazeoides* (Desm.) U. Braun & Crous, in Braun, Crous & Nakashima, IMA Fungus **6**(2): 420, 2015.

Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 587 (fig. 74).

Rabenhorst, Herb. mycologicum. Ed. II.
587. Passalora penicillata Ces. Mspt.
 Vercellis: in fol. Sambuci nigrae adhuc vigentibus.
 Aest.-aut. 1856.

Jam plures Cladosporii species praesto habeo, quas inter typicas generis formas et Septonemata ambigere manifestum existimo. Cladosporii veris proximam formam praebet Cl. bacilligerum (Mtgne) sub N. 1676. (ed. Ia.) in hisce Centuris editum; locum tenet magis dissimum Cl. penicillatum eique ad fine Cl. fumosum nob. (e fol. Phoseoli); intercedit Cl. Osterici nob. (in Osterico verticillari), utrumque ineditum, aliasque in pl. sicc. pro Septonematis et Dendryphii v. Dactylili spec. communicatum. Certe species hae omnes hyphis brevibus et passim subobsoletis, vix ac ne vix septatis, et ipsa sporarum indole a Cladosporii genuinis sat differunt, magisque ad Septonemata accedunt, ope praecique Septonematis elongatispori Preuss, quod apud nos quoque ad Menthae rotundifoliae caules terra obrutos peri. Sed genesis longe alia: Septonemata superficialia esse mihi fingo, dum Cladosporia, de quibus nunc sermo est, certo certius basi subcutaneae incident, hinc sine dubio parasitica haberit. Peculiaris autem eorum habitus, notaeque complures in distinctum genus colligendi, quod Montagne Passalora appellaverit, animum mihi faciunt. **Passalora penicillata:** fusca, maculae decoloratae innatae; floccis bervibus simplicibus aggregatis sporas aerogenas griseas 1—3 septatas elongatas, subcylindraceas v. fusiformes basi augustatas gerentibus. Cesati.

Fig. 74

Fusicladium fuscescens Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 588, 1857 [Bot. Zeitung 15: 430 1857; Flora 40: 383, 1857].

= *Fusicladium pyrorum* (Lib.) Fuckel, Jahrb. Nassauischen Vereins Naturk. 23-24: 357 "1869", 1870.

Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 588 (fig. 75). The full synonymy is listed in Schubert et al. (2003: 82).

Rabenhorst, Herb. mycologicum. Ed. II.
588. Fusicladium fuscescens Rabenh. Mspt.
 Caespitibus velutinis, fusco-atris; floccis elongato-adscendentibus, torulosis, eseptatis, sporisque oblongo-cylindraceis fuscescensibus.
 Dresdae, in foliis languescentibus Pyri Mali, autumno.
 Obs. Saepius in consortio Helminthosporii foliicoli.
 L. R.

Fig. 75

Fusisporium aequivocum Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 597, 1857 [Bot. Zeitung 15: 430 1857; Flora 40: 384, 1857].

≡ *Ramularia aequivoca* (Ces.) Sacc., Fungi italica autogr. del. 17-28: tab. 994, 1881.

= *Ramularia didyma* Unger, Exanth. Pfl. (Wien): 169, 1833.

Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 597 (fig. 76). The taxonomy and full synonymy are listed in Braun (1998: 239).

Rabenhorst, Herb. mycologicum. Ed. II.
597. Fusisporium equivocum Ces. mss.
 Acervuli limitati, lactei, plani in pagina inferiori foliorum Ranunculi repentis. Sporidia 12—18/500 Mill. longa, exilia, flexuosa passim ramosa utrinque acuta, guttulis crebris (an septis) notata. Subiculum fugax Ver cellis Octbr. 1856. Cesati.

Fig. 76

Fusidium adoxae Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 6: no. 598, 1857 [Bot. Zeitung 15: 430 1857; Flora 40: 384, 1857], nom. nud.

= *Cercospora adoxae* E. Bommer & M. Rousseau [as “(Rabenh.) E. Bommer & M. Rousseau”], Bull. Soc. Roy. Bot. Belgique 23: 289, 1884.

= *Cylindrospora adoxae* (E. Bommer & M. Rousseau) J. Schröt. [as “(Rabenh.) J. Schröt.”], in Cohn, Krypt.-Fl. Schles., Pilze II (Breslau): 488, 1897.

= *Ramularia adoxae* P. Karst., Hedwigia 23: 7, 1884.

Notes: *Fusidium adoxae* is a nom. nud., published without description. This name was validated by Bommer & Rousseau (1884: 298). They introduced a combination based on *Fusidium adoxae* and added a brief description (“La partie des feuilles attaquée par le champignon est complètement grise et flétrie”). Thus, the name *Cercospora adoxae*, although published as combination, must be attributed as new species to Bommer and Rousseau, and the combination *Cylindrospora adoxae* was based on the latter name. *Ramularia adoxae*, the valid name for this fungus, was sometimes cited as combination based on *Fusidium adoxae*, but Karsten (l.c.) described a new species. In the protologue, *F. adoxae* was not cited, and an indirect reference to this older name is not evident and the type material is a collection from Finland deposited at H (see Braun 1998: 46, 48).

Cent. 7

Daedalea unicolor (Bull.) Fr. var. *polyporosa* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 7: no. 614, 1858 [Bot. Zeitung 16: 79 1858; Flora 41: 388, 1858].

Notes: This variety was validly published with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 614 (fig. 77).

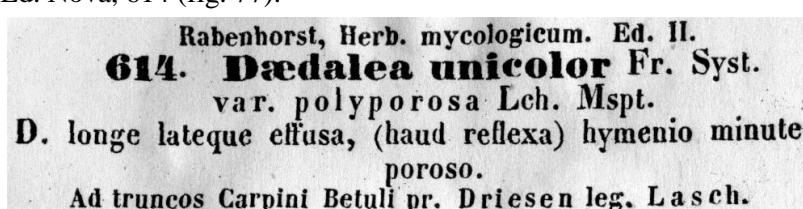


Fig. 77

Polyporus occultus Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 7: no. 617, 1858 [Bot. Zeitung 16: 79 1858; Flora 41: 388, 1858].

= *Abortiporus biennis* (Bull.) Singer, Mycologia 36(1): 68, 1944.

Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 617 (fig. 78). Lasch (l.c.) added two unranked taxa, α) *effusus* and β) *pileatus*.

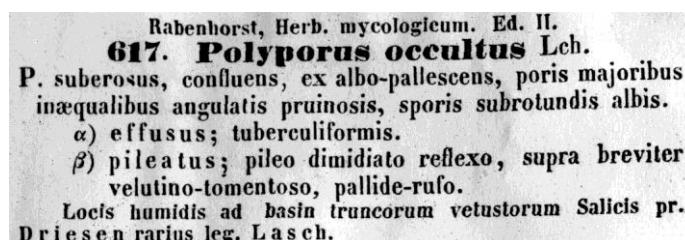


Fig. 78

Micula Duby ex Rabenhorst, in Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 7: no. 636, 1858 [Bot. Zeitung 16: 79 1858; Flora 41: 389, 1858].

Notes: This genus *Micula* was validated by Rabenhorst in Herb. Viv. Mycol., Ed. Nova, 636 with a description (fig. 79). Duby introduced this name together with the new name *Micula mougeotii*, based on *Sphaeria macula*, on a plate with analysis published in Hedwigia 2: 8, Tab. I, A, 1–8, 1858. However, Art. 38.1 only applies to species, but not to genus names, and the conditions for a valid simultaneous publication by provision of a single description (descriptio

generico-specifica) or diagnosis according to Art. 38.5 (and 38.7) are not fulfilled since condition (b) is not satisfied.

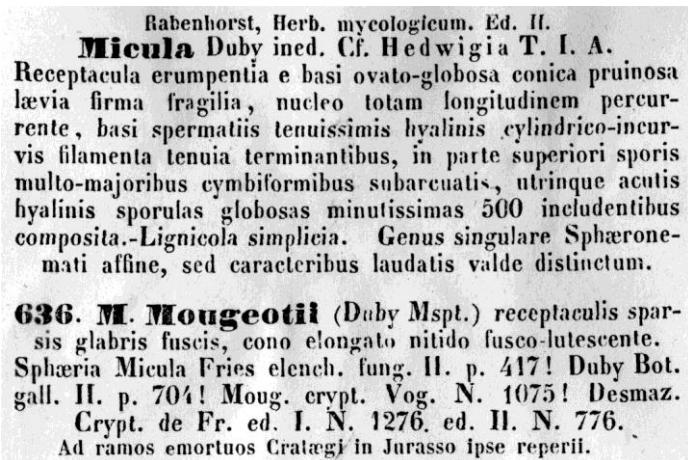


Fig. 79

Micula mougeotii Duby ex Rabenhorst, in Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 7: no. 636, 1858 [Bot. Zeitung **16**: 79 1858; Flora **41**: 389, 1858], nom. nov.

≡ *Sphaeria micula* Fr., Elench. fung. (Greifswald) **2**: 101, 1828.

≡ *Dermatea micula* (Fr.) Rehm, Rabenh. Krypt.-Fl., Edn 2 (Leipzig) 1.3(Lief. 55): 1258, 1896.

≡ *Dumortieria micula* (Fr.) Westend., Bull. Acad. Roy. Sci. Belgique, Cl. Sci., Sér. 2, **2**(7): 572, 1857.

Notes: The new name *Micula mougeotii*, based on *Sphaeria micula*, was validly introduced by Rabenhorst in Klotzschii Herb. Viv. Mycol., Ed. Nova, 636, 1858 (fig. 79).

Sphaerella recutita (Fr.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 7: no. 659, 1858 [Bot. Zeitung **16**: 80, 1858; Flora **41**: 389, 1858].

≡ *Sphaeria recutita* Fr., Syst. mycol. (Lundae) **2**(2): 524, 1823.

≡ *Mycosphaerella recutita* (Fr.) Johanson, Öfvers. K. Svensk. Vetensk.-Akad. Förhandl. **41**(9): 166, [“1884-1885”] 1884.

Notes: The combination *Sphaerella recutita* was validly published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 659 (fig. 80). The status of *Sphaeria recutita* has been discussed by Aptroot (2006: 173).

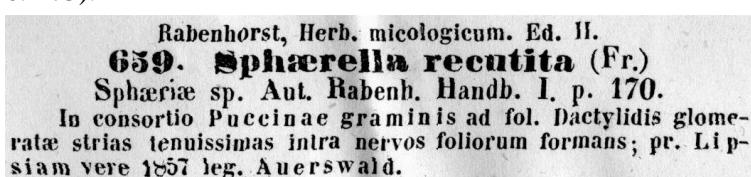


Fig. 80

Sphaeronaema piceae Fiedl., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 7: no. 664, 1858 [Bot. Zeitung **16**: 82, 1858; Flora **41**: 390, 1858].

≡ *Sclerophoma piceae* (Fiedl.) Höhn., Sitzungsber. Kaiserl. Akad. Wiss. Wien, Math.-naturwiss. Cl., Abt. 1, **118**: 1234, 1909.

Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 664 (fig. 81).

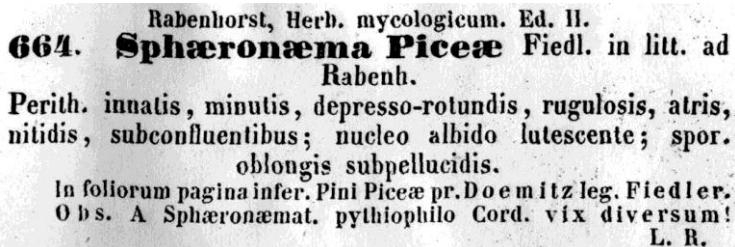


Fig. 81

Rhytisma nervale (Alb. & Schwein.) Rabenh. [as “(Alb. & Schwein.) Fr.”], Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 7: no. 666, 1858 [Bot. Zeitung **16**: 82, 1858; Flora **41**: 390, 1858].
≡ *Xyloma nervale* Alb. & Schwein., Consp. fung. (Leipzig): 64, 1805.
≡ *Sclerotium nervale* (Alb. & Schwein.) Fr., Syst. mycol. (Lundae) **2**(1): 260, 1822.
≡ *Rhytisma nervale* (Alb. & Schwein.) Rehm, Rabenh. Krypt.-Fl., Edn 2 (Leipzig) **1.3**(Lief. 29): 87, 1888, isonym.

Notes: The combination *Rhytisma nervale* was introduced by Rabenhorst in Klotzschii Herb. Viv. Mycol., Ed. Nova, 666, 1858 (fig. 82).



Fig. 82

Rhytisma nervale (Alb. & Schwein.) Rabenh. f. *bartsiae* Ces. ex Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 7: no. 666, 1858 [Bot. Zeitung **16**: 82, 1858; Flora **41**: 390, 1858].
Notes: This forma was validly published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 666, 1858 (fig. 81) by Rabenhorst who added a diagnosis under “Obs. ... L. R.” (= Ludwig Rabenhorst).

Rhytisma pedicularis (DC.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 7: no. 667, 1858 [Bot. Zeitung **16**: 82, 1858; Flora **41**: 390, 1858].
≡ *Xyloma pedicularis* DC., in de Candolle & Lamarck, Fl. franç., Edn 3 (Paris) **5/6**: 153, 1815.
≡ *Ectostroma pedicularis* (DC.) Fr., Syst. mycol. (Lundae) **2**(2): 602, 1823.
≡ *Rhytisma pedicularis* (DC.) Rehm, Rabenh. Krypt.-Fl., Edn 2 (Leipzig) **1.3**(Lief. 29): 87 [“1896”] 1888, isonym.
≡ *Asteroma pedicularis* (DC.) Jaap, Ann. Mycol. **15**(1/2): 117, 1917.
≡ *Pseudopeziza pedicularis* (DC.) E. Müll. & Schüepp, Phytopathol. Z. **25**(3): 330, 1956.
≡ *Leptotrichila pedicularis* (DC.) Schüepp, Phytopathol. Z. **36**: 242, 1959.
Notes: The combination *Rhytisma pedicularis* was introduced by Rabenhorst in Klotzschii Herb. Viv. Mycol., Ed. Nova, 667, 1858 (fig. 83).

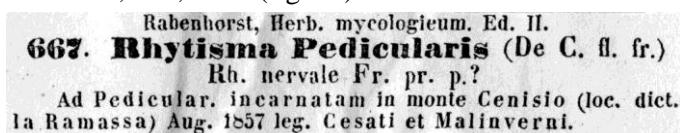


Fig. 83

Peronospora calotheca de Bary, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 7: no. 673, 1858 [Bot. Zeitung **16**: 82, 1858; Flora **41**: 390, 1858].

Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 673 (fig. 84).

Rabenhorst, Herb. mycologicum. Ed. II.
673. *Peronospora calotheca* De By.
Ascis (sporangiis Casp.) amplis, hyalinis, sporas sphaericas,
episporio fuso, pulcherrime reticulato munitas inidentibus,
distinguitur a *P. effusa* Rab. et affinibus cum quibus acro-
sporarum stipitumque forma convenit.
In Asperulae odoratae et Galii Aparines foliis caulinibusque legi
prope Freiburg, Junio 1857, semper utraque fructificatione abun-

Fig. 84

Puccinia coronata Corda var. *sertata* (Preuss) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 7: no. 681, 1858 [Bot. Zeitung 16: 83, 1858; Flora 41: 391, 1858].

≡ *Puccinia sertata* Preuss, in J. Sturm, Deutschl. Fl., Abth. III, Die Pilze Deutschlands, Band 6, Heft 25–26: 5, Tab. 3, 1848

Notes: This is a valid combination published by Rabenhorst in Klotzschii Herb. Viv. Mycol., Ed. Nova, 681, 1858 (fig. 85).

Rabenhorst, Herb. mycologicum. Ed. II.
681. *Puccinia coronata* Corda.
var. *sertata* Pr. radiis rotundato-obtusis!
P. sertata Pr. in Sturm's D. Fr. III. Fasc. XXV. p. 5. T. 3.
Rabenh. Herb. mycol. N. 1395.
Solenodonta coronata Cast., Rabenh. in bot. Zeit. 1851.
p. 451.
In fol. graminum pr. Untersontheim (Schwäbisch Hall), Septbr.
1857 leg. Kemmler.

Fig. 85

Puccinia liliacearum Duby f. *muscari-comosi* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 7: no. 686, 1858 [Bot. Zeitung 16: 83, 1858; Flora 41: 391, 1858].

Notes: This is a valid forma published by Cesati in Rabenhorst, Klotzschii Herb. Viv. Mycol., Ed. Nova, 686, 1858 (fig. 86).

Rabenhorst, Herb. mycologicum. Ed. II.
686. *Puccinia Liliacearum* Duby.
Forma: *Muscari Comosi* Ces.
Primitus acervuli aream rhomboëdricam, macula acute de-
finita, occupant.
Ad pagum Oldenici (prov. Vercell. Pedem. legit
A. Malinvernii.

Fig. 86

Puccinia compacta de Bary, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 7: no. 688, 1858 [Bot. Zeitung 16: 83, 1858; Flora 41: 391, 1858], nom. illeg. (Art. 53.1), non Kunze, 1828.

≡ *Sclerotelium compactum* Syd. [as “(de Bary) Syd.”], Ann. Mycol. 19(3-4): 172, 1921.

= *Puccinia pulsatillae* Kalchbr., Mathem. Természettud. Közlem. 3: 307, 1865.

Notes: This species was published with a description on the the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 688, 1858 (fig. 87), but it is an illegitimate homonym.

Rabenhorst, Herb. mycologicum. Ed. II.
688. *Puccinia compacta* De By.
P. pulvillis orbicularibus, primum croceis, mox nigris,
margine croceo cinctis, epidermide semper tectis, ideoque
laevibus. Fructibus oblongis, breviter pedicellatis; spora
inferiore oblonga, superiore oblonga obovatava, aut cus-
pidata, aut apice rotundata, aut irregulariter truncata; epis-
porio crasso, fuso, laevissimo.
In foliorum Anemones silvestris pagina superiore maculas
præbet bulloso-elevatas; rarius petiolos et sepala occupat. Epi-
dermis plantæ matrix numquam rupta fructus in cæspitem com-
pactum cohibet.
Neque spermogonia nec uredinem vidi, quamquam maximam
specimina copiam examinare licuit. Legi in monte Kaiserstuhl
prope Freiburgam æstate 1856 et 1857. . . . A. de Bary.

Fig. 87

Podocystis pustulata (DC.) Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 7: no. 689, 1858 [Bot. Zeitung **16**: 83, 1858; Flora **41**: 391, 1858].

= *Uredo bistortarum a pustulata* DC., in de Candolle & Lamarck, Fl. franç., Edn 3 (Paris) **5/6**: 76, 1815.

= *Microbotryum pustulatum* (DC.) R. Bauer & Oberw., in Bauer, Oberwinkler & Vánky, Canad. J. Bot. **75**(8): 1309, 1997.

Notes: The combination *Podocystis pustulata* was validly published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 689, 1858 (fig. 88).



Fig. 88

Podocystis pustulata (DC.) Ces. var. *stellariae* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 7: no. 689, 1858 [Bot. Zeitung **16**: 83, 1858; Flora **41**: 391, 1858], nom. nud.

Polycystis ranunculacearum (DC.) Fr. [as “*Podocystis*”] f. *anemones* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 7: no. 690, 1858 [Bot. Zeitung **16**: 83, 1858; Flora **41**: 391, 1858].

= *Urocystis anemones* (Pers.) G. Winter, Hedwigia **19**: 160, 1880.

Notes: This is a validly published forma, introduced as substrate form (fig. 89).



Fig. 89

Aecidium compositarum Mart. f. *doronici* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 7: no. 691, 1858 [Bot. Zeitung **16**: 83, 1858; Flora **41**: 391, 1858].

= *Aecidium pardalianches* Bergam., Giorn. Fis. Chim. Storia Nat. Med. Arti, Dec. 2, **7**: 280, 1824.

Notes: This is a validly published forma, introduced as substrate form (fig. 90).



Fig. 90

Uromyces fraternus Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 7: no. 693, 1858 [Bot. Zeitung **16**: 83, 1858; Flora **41**: 391, 1858], nom. illeg. (superfl., Art. 52.1).

Notes: Cesati (l.c.) introduced a new name, but cited the valid name *Uredo sororia* Ces. as synonym (fig. 91).



Fig. 91

Coleosporium rhinanthacearum (DC.) Lév. var. *euphrasiae* Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 7: no. 694, 1858 [Bot. Zeitung **16**: 83, 1858; Flora **41**: 391, 1858], nom. nud.

Epitea potentillarum Fr. var. *agrimoniae* Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 7: no. 696, 1858 [Bot. Zeitung **16**: 83, 1858; Flora **41**: 391, 1858], nom. nud.

Cent. 8

Peziza carestiae Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 704, 1858 [Bot. Zeitung **16**: 302, 1858; Flora **41**: 651, 1858], nom. nud.

≡ *Peziza carestiae* Ces. ex Cooke, Mycographia: [135], 1879.

≡ *Humaria carestiae* (Ces. ex Cooke) Boud., Hist. Class. Discom. Eur. (Paris): 67, 1907.

≡ *Kotlabaea carestiae* (Ces. ex Cooke) Benkert, Österr. Z. Pilzk. **17**: 175, 2008.

≡ *Neottiella carestiae* (Ces. ex Cooke) Sacc., Syll. fung. (Abellini) **8**: 192, 1889.

≡ *Pyronema carestiae* (Ces. ex Cooke) Bres., Ann. Mycol. **1**(2): 119, 1903.

≡ *Byssonectria carestiae* (Ces. ex Cooke) U. Lindem. & Kristiansen, Z. Mykol. **83**(1): 116, 2017.

= *Kotlabaea trondii* Benkert & Kristiansen, Z. Mykol. **65**(1): 36, 1999.

Notes: The name *Peziza carestiae* Ces. was introduced on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 704, but without any description or diagnosis (nom. nud.). Rabenhorst added the note “NB. A Pez. theleboloidi Alb. et Schw. vix diversa!” (barely different from *Peziza theleboloides*, Fig. 92). The name *Peziza carestiae* Ces. appeared also on the labels of Erbar Crittgam. Ital. 271 (1271) [“*Peziza carestiae*, sopra Riva in Valsesia, Luglio 1857. Carestia”] and Erbar Crittgam. Ital. Ser. II 288 [“*Peziza carestiae*, Riva di Valsesia, Carestia”], but in both cases without any descriptions. Cooke (1879: [135]) validated this species by adding a brief description and illustration (plate 60, fig. 235).

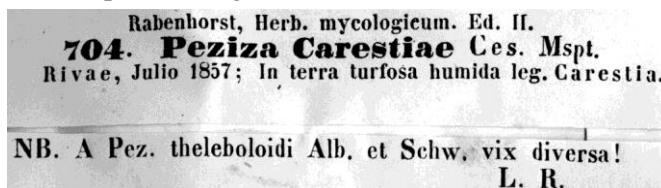


Fig. 92

Peziza mollissima Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 708, 1858 [Bot. Zeitung **16**: 302, 1858; Flora **41**: 651, 1858], nom. illeg. (Art. 53.1), non Saut. 1841.

≡ *Trichopeziza mollissima* Fuckel [as “(Lasch) Fuckel”], Jahrb. Nassauischen Ver. Naturk. **23-24**: 296 [“1869-70”] 1870.

≡ *Lachnum mollissimum* (Fuckel) P. Karst., Bidr. Känn. Finl. Nat. Folk **19**: 174, 1871.

= *Peziza sulphurea* var. *leucophaea* Pers., Mycol. eur. (Erlanga) **1**: 250, 1822.

≡ *Peziza leucophaea* (Pers.) Nyl., Not. Sällsk. Fauna Fl. Fenn. Förh., Ny Ser. **10**: 31, [“1869”] 1868, nom. illeg., non Berk. & M.A. Curtis, 1860.

≡ *Lachnum leucophaeum* (Pers.) P. Karst., Bidr. Känn. Finl. Nat. Folk **19**: 177, 1871.

Notes: *Peziza mollissima* Lasch was published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 708 with a description (fig. 93), but this name is an illegitimate homonym, validated by Fuckel (1870) as *Trichopeziza mollissima* Fuckel.

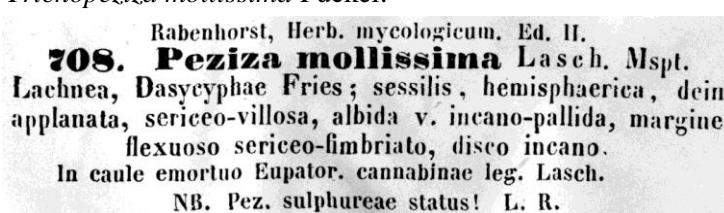


Fig. 93

Stictis graminicola Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 713, 1858 [Bot. Zeitung **16**: 302, 1858; Flora **41**: 652, 1858].

Notes: This is a valid species published with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 713 (fig. 94).

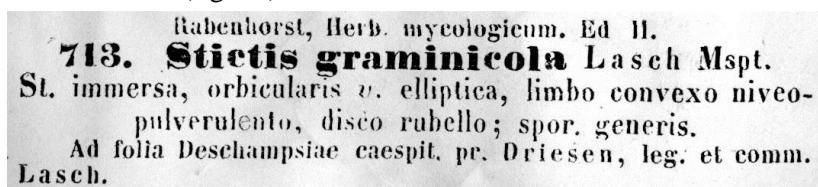


Fig. 94

Cordyceps myrmecophila Ces. [as “(Ces.) Ces”], in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 719, 1858 [Bot. Zeitung 16: 302, 1858; Flora 41: 652, 1858].

≡ *Hypocrea myrmecophila* Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1033, 1846 [and Bot. Zeitung 4: 877, 1846; Flora 31: 505, 1848], nom. illeg. (Art. 53.1), non Fr., 1825.

≡ *Ophiocordyceps myrmecophila* (Ces.) G.H. Sung, J.M. Sung, Hywel-Jones & Spatafora, in Sung, Hywel-Jones, Sung, Luangsa-ard, Shrestha & Spatafora, Stud. Mycol. 57: 45, 2007.

Notes: The name *Cordyceps myrmecophila* was first validly published by Cesati in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, 719, 1858 (fig. 95). The first publication as “*Hypocrea (Cordyceps) myrmecophila*” in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 11: no. 1033, 1846 was not meant to be an introduction of alternative names. It referred to “*Hypocrea A. Cordyceps*” in Fries (1825: 105).

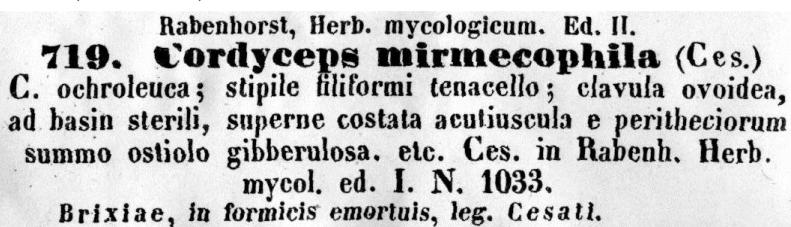


Fig. 95

Perisporium occultatum Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 721, 1858 [Bot. Zeitung 16: 302, 1858; Flora 41: 652, 1858].

Notes: This species was validly published with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 721 (fig. 96)

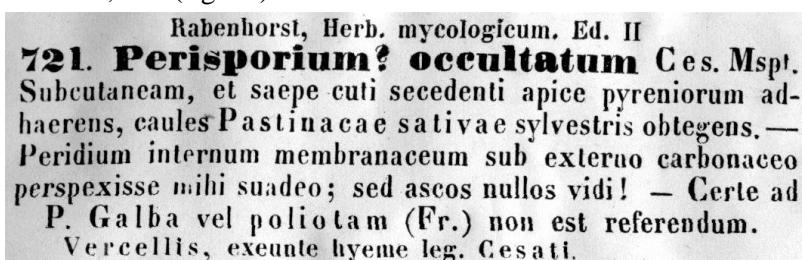


Fig. 96

Nodulosphaeria Rabenh. and *Nodulosphaeria hirta* Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 725, 1858 [Bot. Zeitung 16: 303, 1858; Flora 41: 652, 1858].

Notes: This genus and its type species were validly published with descriptions on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 725, 1858 (fig. 97). *Nodulisphaeria* was later rejected against *Leptosphaeria* Ces. & De Not., 1863.

Rabenhorst, Herb. mycologicum. Ed. II.
Nodulosphaeria Rabenh. (nov. genus!)
 Perith. minuta, globosa, depressa, ostiolo brevi conico,
 primo discreta dein plus minus libera, saepius pube velata.
 Nucleus subgelatinosus. Ascii perfecti persistentes, saepius
 paraphysibus immixtis. Sporae fusiformes, 5-multicellulares.
 medio vel ad apicem cellula unica noduloso-
 turgescens.
 (Sphaeriae sp. Aut.)

725. N. hirta Rabenh. Mspt. perith. globoso-depressis
 nigricantibus, pube fuscoc-nigricante vestitis; ascis clavatis
 sporis octonis dense farctis; sporis fusiformibus, leviter
 curvatis 9-10-cellularibus, lutescentibus; cellula quarta
 (ab apice) noduloso-turgida.

Sphaeria hirta Fries Syst. et Summ.
 Dresdae, in herbarum caulis emortuis perrara, exeunte
 majo 1858 leg. ipse.
 NB. Ad hunc nov. genus pertinent: *Sphaeria Cibostii* De N.,
Sphaeria Heufleri Rabenh., *Sph. tunicata* Rabenh. etc.

Fig. 97

Gibberidea (Fr.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 726, 1858 [Bot. Zeitung **16**: 303, 1858; Flora **41**: 652, 1858].

≡ *Sphaeria b Gibberidea* Fr., Summa veg. Scand., Sectio Post. (Stockholm): 395, 1849.

Notes: Rabenhorst introduced the genus name *Gibberidea* as combination based on *Sphaeria b Gibberidea* Fr. (indirect reference), together with the combination *G. spartii*, in Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 726, 1858 (fig. 98).

Rabenhorst, Herb. mycologicum. Ed. II.
726. Gibberidea Spartii (Nees.) Rabenh. Mspt.
Sphaeria Spartii Nees., Moug. et Nestl. N. 66'.
 Rabenh. Handb. p. 199.
 In ramis emortuis Spartii scoparii pr. Schluckenau in Bo-
 hemia leg. Karl.

Fig. 98

Gibberidea spartii (Nees : Fr.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 726, 1858 [Bot. Zeitung **16**: 303, 1858; Flora **41**: 652, 1858].

≡ *Sphaeria spartii* Nees, in Schmidt & Kunze, Deutschl. Schwämme, Achte Lieferung: 2, 1818
 (: Fr., Syst. mycol. 2(2): 424, 1823).

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 726, 1858 (fig. 98).

Sphaeria typharum (Desm.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 731, 1858 [Bot. Zeitung **16**: 303, 1858; Flora **41**: 652, 1858].

≡ *Sphaeria scirpicola* var. *typharum* Desm., Pl. cryptog. Fr.: no. 1428, 1849.

≡ *Juncaceicola typharum* (Desm.) Tennakoon, Phook. & K.D. Hyde, in Tennakoon, Hyde, Phookamsak & Promputtha, Cryptog. Mycol. **37**(2): 151, 2016.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 731, 1858 (fig. 99).

Rabenhorst, Herb. mycologicum. Ed. II.
731. Sphaeria Typharum (Desm.) Rabenh.
Sph. scirpicola var. *Typharum* Desmaz. Cr. de Fr. ed
 II. N. 1428.
 Lipsiae, in Typha, April 1857 leg. Auerswald.
 Obs. Ascii firmi oblongi; spor. magnae olivaceae quadricellu-
 lares, transversim septatae, oblongae, utrinque obtusae; a Sphaeria
 duplex et Scirpicola longe distat.
 Sph. scirpicola (Seirbi) Cf. Herb. myc. ed. II. N. 256. sporis
 multicellularibus (transv. et longitudinaliter septatis) gaudet, qua
 de causa Pleospora vera et minime Sphaeria. L. R.

Fig. 99

Sphaeria petasitidis Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 733, 1858 [Bot. Zeitung 16: 303, 1858; Flora 41: 653, 1858], nom. nud.

Staurosphaeria Rabenh. and *Staurosphaeria lycii* Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 736, 1858 [Bot. Zeitung 16: 303, 1858; Flora 41: 653, 1858].

Notes: The genus *Staurosphaeria* and its type species *Staurosphaeria lycii* are validly published by provision of a single description (descriptio generico-specifica, Art. 38.5) on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 736, 1858 (fig. 100).

736. *Staurosphaeria* Rabenh. nov. gen.
Perithecia caespitoso-erumpentia, massa sporophora nigra
fareta. Ascii et paraphyses nulli. Sporae aerogenae glo-
bosae coloratae quadriloculares (perfecte evolutae exacte
eruciatim septatae!)
St. *Lycii* Rabenh. Mspt.
Dresdae, in Lycii ramulis, vere et autumno, leg. ipse.

Fig. 100

Sphaeropsis vaginæ (Lasch) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 737, 1858 [Bot. Zeitung 16: 303, 1858; Flora 41: 653, 1858].

≡ *Sphaeria vaginæ* Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 7: no. 663, 1844
[and Arch. Pharm. (Lemgo) 91: 375, 1845; Bot. Zeitung 3(4): 67, 1845].

Notes: This combination was validly published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 737, 1858 (fig. 101).

Rabenhorst, Herb. mycologicum. Ed. II.
737. *Sphaeropsis Vaginæ* Rabenh. ad inter.
Sphaeria Vaginæ Lasch in Rabenh. Herb. mycol. ed. I.
N. 663.
Dresdae, in vaginis folior. Phragmitis communis, vere
1857 leg. ipse.
Obs. Ascii nulli; Sporae monoblastae, lunulatae (*Closteroides*),
utrinque acutissimae, subsetigerae, hyalinae. — Novum genus
videtur; at sporarum genesis mihi non contigit.

Fig. 101

Asteroma veronicarum Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 739, 1858 [Bot. Zeitung 16: 303, 1858; Flora 41: 653, 1858], nom. illeg. (Art. 52.1).

Notes: Rabenhorst (l.c.) cited *Sphaeria abjecta* Wallr. as synonym. A description is not added.

Spilosphaeria aegopodii (Pers.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 741, 1858 [Bot. Zeitung 16: 303, 1858; Flora 41: 653, 1858]

≡ *Sphaeria aegopodii* Pers., Observ. mycol. (Lipsiae) 1: 17, 1796.

≡ *Ascospora aegopodii* (Pers.) Fr., Syst. orb. veg. (Lundae) 1: 112, 1825.

≡ *Spilosphaeria aegopodii* (Pers.) Fuckel, Fungi Rhen. Exs., Fasc. 1-8: no. 451, 1863, isonym.

≡ *Stigmatea aegopodii* (Pers.) Oudem., Ned. Kruidk. Arch., Sér. 2, 2: 185, 1876.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 741, 1858 (fig. 102) with reference to *Ascospora aegopodii* (Pers.) Fr. as synonym cited in the protologue.

Rabenhorst, Herb. mycologicum. Ed. II.
741. *Spilosphaeria Aegopodii* Rabenh. Mspt.
Septoria Aegopodii Desmaz. Cr. de Fr. ed. I. N. 616 et
ed. II. N. 143.
Ascospora Aegopodii Fr. Summ. 425. sed.
Minime *Sphaeria Aegopodii* Rabenh. Handb. quae spor.
oblongis gaudet.
In fol. Aegop. Podagr., hort. bot. Berol. Julio leg. R. Ca-
spary.

Fig. 102

Depazea nerii Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 743, 1858 [Bot. Zeitung **16**: 303, 1858; Flora **41**: 653, 1858], nom. nud.

Rhabdospora alsines Mont., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 744, 1858 [Bot. Zeitung **16**: 303, 1858; Flora **41**: 653, 1858], nom. nud.

Rhaphidospora urticae Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 745, 1858 [Bot. Zeitung **16**: 303, 1858; Flora **41**: 653, 1858], nom. illeg. (Art. 52.1).

Notes: This is a superfluous name (*Sphaeria erythrospora* Riess was cited as synonym in the protologue, fig. 103).

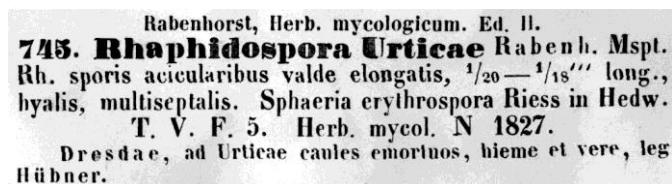


Fig. 103

Pleospora pellita (Fr.) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 749, 1858 [Bot. Zeitung **16**: 303, 1858; Flora **41**: 653, 1858].

≡ *Sphaeria pellita* Fr., Syst. mycol. (Lundae) **2**(2): 503, 1823.

≡ *Pyrenophora pellita* (Fr.) Sacc., Syll. fung. (Abellini) **2**: 280, 1883.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 749, 1858 (fig. 104)

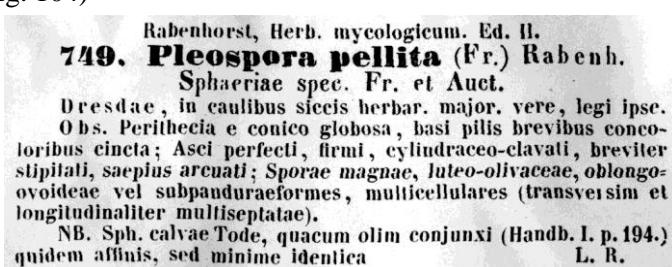


Fig. 104

Pleospora asparagi Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 750, 1858 [Bot. Zeitung **16**: 303, 1858; Flora **41**: 653, 1858], nom. nud.

≡ *Pleospora asparagi* Rabenh. ex Sacc., Syll. fung. (Abellini) **2**: 268, 1883.

Trullula spartii (Rabenh.) Ces., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 752, 1858 [Bot. Zeitung **16**: 303, 1858; Flora **41**: 653, 1858].

≡ *Cesatia spartii* Rabenh., Klotzschii Herb. Viv. Mycol., Cent. 15: no. 1443, 1850 [and Bot. Zeitung **9**: 180, 1851; Flora **34**: 74, 1851].

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 752, 1858 (fig. 105).



Fig. 105

Cytospora oxyacanthae Rabenh. [as "Cytispora"], Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 754, 1858 [Bot. Zeitung **16**: 303, 1858; Flora **41**: 653, 1858].

Notes: This is a validly published species with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 754, 1858 (fig. 106).

Rabenhorst, Herb. mycologicum. Ed. II.
754. Cytispora Oxyacanthae Rabenh. Mspt.
Dresdæ, in ramis arescentibus Crataegi Oxyacanthæ, April
1817 leg. ipse.
Obs. Perithecia 10—12 cellularia; sporæ cylindraceæ,
utrinque rotundato obtusæ hyalinæ continuae plus minus curvatae.

Fig. 106

Hymenula spartii Lasch, in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 755, 1858 [Bot. Zeitung **16**: 303, 1858; Flora **41**: 653, 1858].

Notes: This is a validly published species with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 755, 1858 (fig. 107).

Rabenhorst, Herb. mycologicum. Ed. II.
755. Hymenula Spartii Lsch.
Subrotunda, leviter convexa carnosæ-gelatinosa, subfimbriata, pallide fusca nigrescens, sporis bacilliformibns curvatis, utrinque obtusis.
In ramicis emort. Spartii scoparii pr. Driesen. Lasch.

Fig. 107

Stilbum herbarum Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 763, 1858 [Bot. Zeitung **16**: 303, 1858; Flora **41**: 653, 1858].

≡ *Stilbella herbarum* (Rabenh.) Lindau, Rabenh. Krypt.-Fl., Edn 2 (Leipzig) **1.9**: 299, 1908.

Notes: This is a validly published species with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 763, 1858 (fig. 108).

Rabenhorst, Herb. mycologicum. Ed. II.
763. Stilbum herbarum Rabenh. Mspt.
St. sparsum, clavatum; stipite brevi, rigido, ex albo lutescente, basi dilatato; capitulo rotundato-elongato, mox turbato, fuscescente, sporis ovoideis hyalinis pulverulento.
In foliis, petiolis capitulisque Eryngii campestris, pr. Doe-mitz (Flor. Megapol.) leg. Dr. Fiedler.

Fig. 108

Byssocladium cerevisiae Auersw., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 764, 1858 [Bot. Zeitung **16**: 303, 1858; Flora **41**: 653, 1858], nom. nud.

Haplaria viridis (Link) Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 770, 1858 [Bot. Zeitung **16**: 303, 1858; Flora **41**: 654, 1858]

≡ *Chloridium viride* Link, Mag. Gesell. Naturf. Freunde, Berlin **3**(1-2): 13, 1809.

Notes: This is a valid combination published on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 770, 1858 (fig. 109).

Rabenhorst, Herb. mycologicum. Ed. II.
770. Haplaria (Chloridium) viridis
Lk. obs. I. 11.
Rabenh. Handb. I. p. 74. Dematium virescens Pers. Syu. 678.
Fr. Syst. III. 363. Summ. 499.
Dresdæ, ad dolia vinaria in cellis diutius recondita; leg. Hantzsch.

Fig. 109

Botrytis brunneola Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 771, 1858 [Bot. Zeitung **16**: 303, 1858; Flora **41**: 654, 1858].

Notes: This is a validly published species with a description on the label of Klotzschii Herb. Viv. Mycol., Ed. Nova, 771, 1858 (fig. 110).

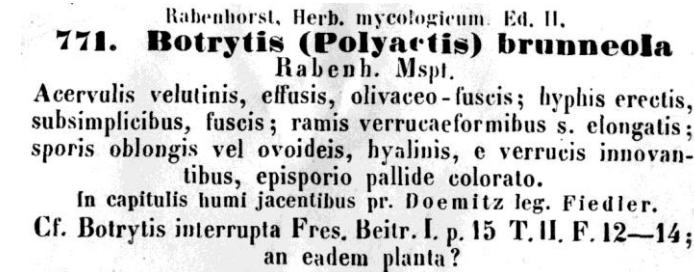


Fig. 110

Peronospora holostei Casp., in Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 774, 1858 [Bot. Zeitung **16**: 303, 1858; Flora **41**: 654, 1858], nom. nud.

≡ *Peronospora holostei* Casp. ex de Bary, Ann. Sci. Nat., Bot., Sér. 4, **20**: 115, 1863.

= *Peronospora conferta* (Unger) Unger f. *holosteri* Fuckel, Fungi Rhen. Exs., Fasc. I: no. 17, 1863.

Notes: *Peronospora holostei* was introduced in Klotzschii Herb. Viv. Mycol., Ed. Nova, 774, 1858, but without description (nom. nud.), and was later validated by de Bary (l.c.). *P. conferta* f. *holostei* is a valid forma, although without any description, introduced as substrate (host) forma of a pathogenic fungus.

Tubercularia confluens Pers. var. *sophorae* Rabenh., Klotzschii Herb. Viv. Mycol., Ed. Nova, Cent. 8: no. 778, 1858 [Bot. Zeitung **16**: 303, 1858; Flora **41**: 654, 1858], nom. nud.

Overlooked combinations in *Depazea*, introduced in Rabenhorst (1844)

Fries (1818) introduced the genus *Depazea* Fr. (type species: *D. frondicola* Fr.). Later, he reduced this name to synonymy with *Sphaeria* (Fries 1823: 318, 527), and other authors followed, e.g. Wallroth (1833). Rabenhorst (1844) recognized *Depazea* and assigned numerous species to this genus. Later, Fries (1849) treated *Depazea* again as a genus of its own and listed nine species, including some omitted taxonomic novelties (see below).

Based on results of phylogenetic analyses, the type species of *Depazea*, *D. frondicola*, has recently been reallocated to *Sphaerulina* Sacc. (Verkley et al. 2013: 296), i.e., the older name *Depazea* is a synonym of *Sphaerulina*. Therefore, a proposal to conserve the genus name *Sphaerulina* over *Depazea* is necessary.

Depazea aegopodii (Pers. : Fr.) Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 139, 1844.

≡ *Sphaeria aegopodii* Pers., Observ. mycol. (Lipsiae) **1**: 17, 1796 [: Fr., Syst. mycol. (Lundae) **2**(2): 526, 1823].

Depazea aesculicola (Fr.) Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 137, 1844.

≡ *Sphaeria aesculicola* Fr., Syst. mycol. (Lundae) **2**(2): 530, 1823.

≡ *Septoria aesculicola* (Fr.) Sacc., Bull. Soc. Mycol. Fr. **5**(4): 122, 1890.

Depazea brassicicola (Duby) Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 138, 1844, nom. illeg. (Art. 53.1), non *D. brassicicola* Desm., 1826.

≡ *Sphaeria brassicicola* Duby [as “*brassicaecola*”], Bot. Gall., Edn 2 (Paris) **2**: 712, 1830.

Depazea buxicola (DC.) Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 136, 1844.

≡ *Sphaeria lichenoides* var. *buxicola* DC., in de Candolle & Lamarck, Fl. franç., Edn 3 (Paris) **6**: 149, 1815.

≡ *Sphaeria buxicola* (DC.) Fr., Syst. mycol. (Lundae) **2**(2): 258, 1823.

≡ *Mycosphaerella buxicola* (DC.) Tomilin, Nov. Sist. Niz. Rast. **6**: 119 [“1969”] 1970.

Depazea calthicola (DC. : Fr.) Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 139, 1844.

≡ *Sphaeria lichenoides* var. *calthicola* DC. [as “*calthaecola*”], in de Candolle & Lamarck, Fl. franç., Edn 3 (Paris) **6**: 149, 1815.

≡ *Sphaeria calthicola* (DC.) Fr., Syst. mycol. (Lundae) **2**(2): 532, 1823.

Depazea castaneicola (DC. : Fr.) Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 137, 1844.

≡ *Sphaeria lichenoides* var. *castaneicola* DC. [as “*castaneaecola*”], in de Candolle & Lamarck, Fl. franç., Edn 3 (Paris) **6**: 147, 1815.

≡ *Sphaeria castaneicola* (DC.) Fr. [as “*castaneaecola*”], Syst. mycol. (Lundae) **2**(2): 530, 1823.

Notes: Fries (l.c.) cited “Dec. l. c. b.”, i.e., he undoubtedly referred to *Sphaeria lichenoides* var. *castaneicola* DC. as in other cases in his treatment of *Sphaeria* spp. Rabenhorst (l.c.) cited “De C.” (= de Candolle) as well.

Depazea convolvulicola (DC.) Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 138, 1844.

≡ *Sphaeria lichenoides* var. *convolvulicola* DC., in de Candolle & Lamarck, Fl. franç., Edn 3 (Paris) **5/6**: 148, 1815.

≡ *Sphaeria gentianicola* var. *convolvulicola* (DC.) Fr., Syst. mycol. (Lundae) **2**(2): 531, 1823.

Depazea cornicola (DC. : Fr.) Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 137, 1844.

≡ *Sphaeria lichenoides* var. *cornicola* DC., in de Candolle & Lamarck, Fl. franç., Edn 3 (Paris) **5/6**: 148, 1815.

≡ *Sphaeria cornicola* (DC.) Fr., Syst. mycol. (Lundae) **2**(2): 530, 1823.

≡ *Sphaerulina cornicola* (DC. : Fr.) Verkley, Quaedvl. & Crous, Stud. Mycol. **75**(1): 295, 2013.

Depazea crispans (Fr.) Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 138, 1844.

≡ *Sphaeria crispans* Fr., Elench. fung. (Greifswald) **2**: 111, 1828.

Depazea dianthi (Alb. & Schwein.) Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 137, 1844.

≡ *Sphaeria dianthi* Alb. & Schwein., Consp. fung. (Leipzig): 47, 1805.

≡ *Septoria dianthi* (Alb. & Schwein.) Desm., Ann. Sci. Nat., Bot., Sér. 3, **11**(2): 346, 1849.

≡ *Ascochyta dianthi* (Alb. & Schwein.) Berk., Outl. Brit. Fung. (London): 320, 1860.

Notes: Mel'nik (1977) regarded this species as a synonym of *Septoria dianthi* (Alb. & Schwein.) Desm. (≡ *Ascochyta dianthi* (Alb. & Schwein.) Berk.). Desmazières (1849) cited *Sphaeria dianthi* Alb. & Schwein. as synonym of his *Septoria dianthi*, i.e., he introduced a new combination based on the latter name.

Depazea fagicola (Fr.) Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 137, 1844.

≡ *Sphaeria fagicola* Fr., Syst. mycol. (Lundae) **2**(2): 529, 1823.

≡ *Sphaerella fagicola* (Fr.) Auersw., in Gonnermann & Rabenhorst, Mycol. eur. Abbild. Sämmtl. Pilze Eur. **5-6**: 7, 1869.

Notes: According to Aptroot (2006: 89) possibly identical with *Mycosphaerella punctiformis* (= *Ramularia endophylla*).

Depazea fragariicola (Wallr.) Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 138, 1844.

≡ *Sphaeria fragariicola* Wallr., Fl. crypt. Germ. (Norimberga) **2**: 767, 1833.

Depazea gentianicola (DC. : Fr.) Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 138, 1844.

≡ *Sphaeria lichenoides* var. *gentianicola* DC. [as “*gentianaecola*”], in de Candolle & Lamarck, Fl. franç., Edn 3 (Paris) **5/6**: 148, 1815.

≡ *Sphaeria gentianicola* (DC.) Fr., Syst. mycol. (Lundae) **2**(2): 531, 1823.

≡ *Leptothyrium gentianicola* (DC. : Fr.) Bäumler, Hedwigia **24**: 75, 1885.

Depazea juglandina (Fr.) Rabenh., Deutschl. Krypt.-Fl. 1 (Pilze): 137, 1844, nom. illeg. (Art. 52.1)

≡ *Xyloma juglandis* DC., in de Candolle & Lamarck, Fl. fran  , Edn 3 (Paris) 5/6: 158, 1815, non *Sphaeria juglandis* DC. 1815.

≡ *Sphaeria juglandina* Fr., Syst. mycol. (Lundae) 2(2): 621, 1823 (nom. nov.).

≡ *Phyllosticta juglandis* (DC.) Sacc., Syll. fung. (Abellini) 3: 31, 1884.

Notes: Fries (1823: 621) introduced *Sphaeria juglandina* as new name for *Xyloma juglandis* DC. Rabenhorst (1844) cited de Candolle's name as synonym of *D. juglandina*, but failed to introduce the correct combination “*Depazaea juglandis*”. In Elench. fung. (Greifswald) 2: 110, 1828, Fries added a description to *Sphaeria (Depazea) juglandicola*. *Xyloma juglandis* is probably a species of *Phoma* (van der Aa & Vanev 2002).

Depazea lychnidis (Fr.) Rabenh., Deutschl. Krypt.-Fl. 1 (Pilze): 137, 1844.

≡ *Sphaeria lychnidis* Fr. in Kunze & J.C. Schmidt, Mykologische Hefte (Leipzig) 2: 53, 1823 [Fr., Systema Mycologicum 2(2): 531, 1823].

≡ *Phyllosticta lychnidis* (Fr.) Ellis & Everh., North American Phyllostictas (New Jersey): 59 1900.

Notes: Fries is the author of the chapter in the booklet published by Kunze & Schmidt (1823). Therefore, new names published in this chapter have to be ascribed to Fries as author. The identity of this species is unclear. Van der Aa & Vanev (2002) did not examine type material. Secondary collections deposited under this name turned out to belong to *Phoma exigua* Desm.

Depazea ostruthii (Fr.) Rabenh., Deutschl. Krypt.-Fl. 1 (Pilze): 139, 1844.

≡ *Sphaeria ostruthii* Fr., Observ. mycol. (Havniae) 1: 174, 1815.

≡ *Stigmatea ostruthii* (Fr.) Oudem. ex Sacc., Syll. fung. (Abellini) 1: 545, 1882.

Depazea pyrolae (Ehrenb. : Fr.) Rabenh., Deutschl. Krypt.-Fl. 1 (Pilze): 136, 1844.

≡ *Sphaeria pyrolae* Ehrenb., Sylv. mycol. berol. (Berlin): 29, 1818 [: Fr., Syst. mycol. (Lundae) 2(2): 528, 1823].

Notes: The identity and affinity of *Sphaeria pyrolae* is unclear. Aptroot (2006) failed to trace type material of this species. He examined several collections deposited under this name and observed that they were morphologically indistinguishable from *Mycosphaerella punctiformis* (Pers.) St  rbeck (= *Ramularia endophylla* Verkley & U. Braun). Eriksson (1992) cited this name as synonym of *Mycosphaerella chimaphilae* (Ellis & Everh.) H  hn. (synonymy not based on type material).

Depazea quercicola (DC. : Fr.) Rabenh., Deutschl. Krypt.-Fl. 1 (Pilze): 137, 1844.

≡ *Sphaeria quercicola* Wallr., Fl. crypt. Germ. (Norimbergae) 2: 768, 1833.

Depazea ribicola (Fr.) Rabenh., Deutschl. Krypt.-Fl. 1 (Pilze): 137, 1844.

≡ *Sphaeria ribicola* Fr., Syst. mycol. (Lundae) 2(2): 530, 1823.

≡ *Phyllosticta ribicola* (Fr.) Sacc., Syll. fung. (Abellini) 3: 17, 1884.

Notes: The identity of this species is unclear (see van der Aa & Vanev 2002: 398–399).

Depazea salicicola (Fr.) Rabenh., Deutschl. Krypt.-Fl. 1 (Pilze): 137, 1844.

≡ *Sphaeria salicicola* Fr., Syst. mycol. (Lundae) 2(2): 530, 1823.

≡ *Sphaerella salicicola* (Fr.) Fuckel, Jahrb. Nassauischen Vereins Naturk. 23–24: 106, [“1869–70”] 1870.

≡ *Septoria salicicola* (Fr.) Sacc., Michelia 1(2): 171, 1878.

≡ *Mycosphaerella salicicola* (Fr.) Johanson ex Oudem., R  v. Champ. Pays-Bas (Amsterdam) 2: 210, 1897.

Notes: Fuckel (1870) cited “*Depazea*” *salicicola* Fr. as synonym of *Sphaerella salicicola*, i.e., *Sphaeria salicicola* is the basionym of a new combination, and the combination *Mycosphaerella salicicola* is accordingly based on *Sphaeria salicicola* as well (see also Aptroot 2006: 179). This

species seems to be a synonym of *Mycosphaerella punctiformis* (= *Ramularia endophylla*) [see Tomilin 1979].

Depazea stemmatea (Fr. : Fr.) Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 137, 1844.
≡ *Sphaeria stemmatea* Fr., Kongl. Vetensk. Acad. Handl. **38**: 246, 1817 [: Fr., Syst. mycol. (Lundae) **2**(2): 528, 1823].
≡ *Mycosphaerella stemmatea* (Fr. : Fr.) Romell, Fungi Paras. Scand. Exs., Fasc. **1**: no. 68, 1890.
Notes: see Aptroot (2006: 190).

Depazea subradians (Fr. : Fr.) Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 139, 1844.
≡ *Sphaeria subradians* Fr., K. Svenska Vetensk-Akad. Handl., Ser. 3, **38**: 248, 1817 [: Fr., Syst. mycol. (Lundae) **2**(2): 525, 1823].
≡ *Mycosphaerella subradians* (Fr.) J. Schröt., in Cohn, Krypt.-Fl. Schlesien (Breslau) **3.2**(3): 339, 1894.

Depazea tremulicola (DC. : Fr.) Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 137, 1844.
≡ *Sphaeria lichenoides* var. *tremulicola* DC. [as “*tremulaecola*”], in de Candolle & Lamarck, Fl. franç., Edn 3 (Paris) **6**: 147, 1815.
≡ *Sphaeria tremulicola* (DC.) Fr. [as “*tremulaecola*”], Syst. mycol. (Lundae) **2**(2): 529, 1823.
≡ *Mycosphaerella tremulicola* (DC. : Fr.) Petr., Ann. Mycol. **38**: 248, 1940.
Notes: Tomilin (1979) reduced this species to synonymy with *Mycosphaerella punctiformis* (= *Ramularia endophylla*).

Depazea vagans (Fr.) Rabenh., Deutschl. Krypt.-Fl. **1** (Pilze): 139, 1844.
≡ *Sphaeria vagans* Fr., Syst. mycol. (Lundae) **2**(2): 532, 1823.

Depazea names introduced in Fries (1849)

Depazea aesculicola (Fr.) Fr., Summa veg. Scand., Sec. Post.: 423, 1849.
≡ *Sphaeria aesculicola* Fr., Syst. mycol. (Lundae) **2**(2): 530, 1823.

Depazea alpina Fr., Summa veg. Scand., Sec. Post.: 423, 1849.
Note: A valid name (with description/diagnosis).

Depazea populicola Fr., Summa veg. Scand., Sec. Post.: 423, 1849, nom. nud.
Notes: Fries (l.c.) only added the note “a priori diversa”.

Depazea punctiformis (Pers. : Fr.) Fr., Summa veg. Scand., Sec. Post.: 423, 1849.
≡ *Sphaeria punctiformis* Pers., Ann. Bot. (Usteri) **11**: 26, 1794 [: Fr., Syst. mycol. (Lundae) **2**(2): 525, 1823].
≡ *Mycosphaerella punctiformis* (Pers.) Starbäck, Bih. K. Svenska VetenskAkad. Handl., Afd. 3 **15**(2): 9, 1889.
= *Ramularia endophylla* Verkley & U. Braun, in Verkley et al., Mycol. Res. **108**(11): 1276, 2004.

Depazea vaccinii Fr., Summa veg. Scand., Sec. Post.: 422, 1849.
Notes: This is a validly published species with a diagnosis in a footnote.

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