

Notes on *Potentilla* (Rosaceae)

## XIV. Type specimens in the Lehmann herbarium

Poznámky k rodu *Potentilla* (Rosaceae)

## XIV. Typové položky v Lehmannově herbáři

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The Lehmann herbarium of the genus *Potentilla* has been deposited in Prague (PR) since 1865. It contains type specimens of 172 species (52 species described by Lehmann, and 120 species described by 52 other authors) and 32 varieties. The present study provides an alphabetical list of all types of *Potentilla* preserved in the Lehmann herbarium, with basic data, including detailed taxonomic identification. The present revision of Lehmann's type specimens resulted in necessary changes of some names. The name *P. bipinnatifida* Dougl. ex Hook. 1833 should be replaced by *P. normalis* Besser ex Spreng. 1827, *P. amurensis* Maxim. 1859 by *P. hyenii* Roth 1821 and *P. stolonifera* Lehm. 1831 by *P. sprengeliana* Lehm. 1820 (the correct name of *P. sprengeliana* sensu Juz. 1941 is *P. sachalinensis* Juz. 1955). *P. virgata* Lehm. 1820 is an older name for *P. dealbata* Bunge in Ledeb. 1830. The type specimens of *P. pulcherrima* Lehm. are hybrid plants; the non-hybrid species designated by this name should be named *P. filicaulis* Rydb. Similarly, the lectotype of *P. diversifolia* Lehm. is a hybrid and the non-hybrid species designated by this name should be named *P. glaucophylla* Lehm. The type specimen of *P. multijuga* Lehm. belongs to *Horkelia cuneata* Lindl.

Key words: *Potentilla*, type specimens, Lehmann herbarium, National Museum Prague

## Introduction

Johann Georg Christian Lehmann was the most outstanding specialist in *Potentilla* in the last century. He published a monograph of *Potentilla* at the age of 28 (three monographs of the genus appeared within eight years at that time: Nestler 1816, Lehmann 1820, Trattinick 1824). However, he devoted particular attention to the genus during his whole life. In a systematic way, he gathered herbarium material from the whole world and, from time to time, published descriptions of new species in his “Pugilli” and in appendices to the Delectus Seminum of the Hamburg Botanical Gardens (the greatest number of new taxa were published by him in 1849 – 19 species, and in 1851 – 20 species). In 1851 he was completing his studies with the intention to form a new monograph, which is suggested by his almost complete list of *Potentilla* species (Lehmann 1851). This second monograph, that appeared in 1856, represented a fundamental work and became the main source of information for further studies of the genus in the next several decades. It was surpassed only by the works of Wolf (1908) and Rydberg (1898, 1908).

J. G. C. Lehmann died on 12 February 1860, and as early as on 7 May 1861, his herbarium was offered for sale (individual families as separate items – cf. Klatt 1860). The *Potentilla* herbarium was kept separately, and it was E. Purkyně, a natural history lecturer in the forestry institute at Bělá (=Weisswasser) in northern Bohemia, who had

purchased it for 100 Austrian florins even before the sale of the herbarium was announced. (E. Purkyně was the son of the famous physiologist J. E. Purkyně). In 1865, he offered this herbarium to the Museum of the Czech Kingdom (now National Museum in Prague) for the same price. On 19 July 1865, the herbarium came in possession of the Museum.

The Lehmann's *Potentilla* herbarium contained more than one thousand specimens of 209 species. At that time, the herbarium was valued as a notably complete collection with a number of specimens from geographically remote, not easily accessible areas. At present, its importance lies in a great number of type specimens. Lehmann himself described 56 new species of *Potentilla*. Thirty seven of these were discovered by Lehmann, the remaining 19 taxa were names proposed by other authors, and Lehmann added descriptions to the names validly published by him (eight names were proposed by Wallich, the remaining by nine other collectors). During four decades of enormous effort, Lehmann obtained original specimens of 120 species published by 52 other authors, e.g. Bunge, Fischer, Ledebour, Turczaninow, Wallich, Willdenow (through Schlechtendal), Boissier, D. Don, Cambessedes (the Jacquemont expedition), Nuttall, A. Gray, Tenore etc.

Plants from the Lehmann herbarium were included in the general herbarium (of the world flora) of the Prague Museum (PR) without special treatment or marking. The specimens can be identified by characteristic Lehmann's handwriting, or in some cases when plant fragments were put to little envelopes with printed text "Herbarium Lehmannianum". On some sheets, labels with a name and citation of *Revisio Potentillarum* are added (written in a typical, very careful handwriting of some Lehmann's assistant). Another assistant marked specimens cultivated in Hamburg Botanical Garden. All the specimens acquired from the Willdenow herbarium bear the name written by Lehmann, and an abbreviation HBrn (perhaps to be understood as *Herbarium Berolinense*), both on a blue hand-made paper (which is not found elsewhere in the Lehmann herbarium). On a few such labels, notes such as "misit Willdenow" or "misit Schlechtendal" are added.

Of the 56 species described by Lehmann, 52 are preserved in his herbarium. The following types are not extant: *P. cuneata* Wall. ex Lehm. (*Sibbaldia cuneata* Kunze), *P. stenantha* Lehm. (*Agrimonia* sp.?), *P. trifida* Lehm. (*Duchesnea indica* (Andr.) Focke) and *P. monanthes* [Lindl. ex] Wall. ex Lehm. (an original drawing of the species exists, and isotypes can be found in other herbaria). The Lehmann's plants with corresponding labels were not fixed on the sheets until 1975, and, as a consequence of improper treatment during loans, two labels were lost. These two cases concern *P. lindenbergii* (label with the species name was lost but the original label with the locality and the name of Lindenberg remained on the sheet) and *P. virgata* (only a revision label with the species name written by Wolf is on the sheet). However, both taxa were depicted by Lehmann in an excellent way, and the identification of these two species is not a problem.

In the list of the type specimens of *Potentilla* found in the Lehmann's herbarium in Prague, the data are arranged in the following order: bibliographical citation of the name; text on the label (with the name of the person who wrote the text in square brackets); brief information on the number of individuals on the sheet, and the registration number in PR (both in parentheses). The current identification of the taxon by the present author (in square brackets) follows. In the common cases when Lehmann's and the present author's concept are in agreement, only an exclamation mark [!] is added. The entry is closed by the information on type status.

**List of the type specimens of *Potentilla* in the Lehmann's herbarium**

*P. abnormis* Lehm., Del. Sem. Hort. Hamburg. 1848:11, 1848.

*Potentilla* n. sp. *abnormis* Lehm. / In Oriente [Lehm.] (one fertile plant; a printed original description of *P. abnormis* from Del. Sem. Hort. Hamburg. is attached; PR 377936) [an atypical monstrose form of *P. umbrosa* Steven ex M. Bieb.]. – Holotype.

*P. abyssinica* A. Rich., Tent. Fl. Abyss. 1:257. 1848.

1) *Pot. abyssinica* Richard. [Lehm.] *Potentilla abyssinica* A. Rich. Fl. Abyss. / I. 257. / Stchelikote (Abyssinia) [A. Richard] (one fertile individual; PR 378047) [*P. reptans* L.];

2) *Potentilla abyssinica* / amico Lehmann / ab A. Richardo oblata [A. Richard] 1852 [Lehm.] (one fertile plant; PR 378048) [*P. reptans* L.] – Syntypes.

*P. adenophylla* Boiss. et Hohen. in Boiss., Diagn. Pl. Orient., ser. 1, 3:5. 1843.

*P. adenophylla* Boiss. / Aucher-Eloy-Herbier d'Orient No. 4492 / et 4493 [Lehm.] Herbarium Lehmannianum [printed] (four fertile stems, two leaves; PR 377935) [*P. humifusa* Willd. ex Schlechtendal]. – Syntypes.

*P. adnata* Wall. ex Lehm., Del. Sem. Hort. Hamburg. 1849:7, 1849.

*Pot. adnata* Wall. [Lehm.?] (one fertile plant; PR 378234) [*Geum elatum* Wall.]. – Holotype.

*P. adscendens* Waldst. et Kit. ex Willd., Enum. Pl. 1:554. 1809.

*P. adscendens* /HBrn./ misit Willdenow [Lehm.; a blue paper label] (one fertile stem, one basal leaf; PR 378035) [*P. patula* Waldst. et Kit.]. – Holotype.

*P. affinis* Host, Fl. Austr. 2:41. 1831.

*Pot. affinis* Host. / Dr. O. Hladnik / misit Koch Erlang / 1849 [Lehm.] (one fertile plant, one fertile stem, one leaf; PR 377937) [*P. crantzii* (Crantz) Beck ex Fritsch]. – Type status unknown.

*P. alpestris* Hall. f. var. *firma* W. D. J. Koch, Syn. Fl. Germ. Helv., ed. 2, 240. 1843 (non Gaudin 1828).

*Potentilla alpestris*  $\alpha$  *firma* K. / Syn. / *sabauda* Schleich. DC. / Ded. Hoppe [K. Koch] ded Koch Erlang / 1849 [Lehm.] (one fertile plant; PR 377938) [*P. crantzii* (Crantz) Beck ex Fritsch]. – Type status unknown.

*P. altaica* Bunge in Ledeb., Fl. Alt. 2:252. 1830.

1) *Potentilla altaica*. m. / fl. alt./ misit Bunge [Bunge] (one fertile individual; PR 378173) [!];

2) a) *Pot. altaica* Ledeb / ab ipso [Lehm.] *P. altaica* / misit Ledebour 1830 [Ledebour] Herbarium Lehmannianum [printed] (one fertile stem; PR 378163) [!]; b) *Potentilla altaica* / Fl. alt. / Altai 1826 [Ledebour] misit Ledebour / 1835 [Lehm.] (one fertile plant; PR 378163) [!]. – Syntypes.

*P. ambigua* Cambess. in Jacquem., Voy. Inde 4:Bot. 51. 1844 (non Gaudin 1828).

a) *Potentilla ambigua* Camb. / No. 1202 [Jussieu?] misit A. de Jussieu / 1849 [Lehm.] Voyage de V. Jacquemont aux Indes orient. [printed] (one fertile and one sterile plants; PR 378058) [*P. cuneifolia* Bertol.]; b) the same label copied by Lehmann (two fertile individuals; PR 378058) [*P. cuneifolia* Bertol.]. – Syntypes.

*P. ancistrifolia* Bunge, Enum. Pl. China Bor. 25. 1833.

*Potentilla ancistrifolia* Bunge / E china [sic!] borealis [Lehm.] (two leaves, a flower; PR 378134) [!]. – Syntype.

*P. andicola* Benth., fl. Hartw. 172. 1845.

*Pot. andicola* Benth. / ab ipso. [Lehm.] *Pot. Dombeyi* Nestl. variet. / *P. andicola* Benth. / (desunt folia inferiora pinnata) [Lehm.] *P. andicola* Benth. / *P. Dombeyi robustior* [Lehm.] (one fertile stem, a leaf) [*P. dombeyi* Nestl.]. – Syntype.

*P. anemonefolia* Lehm., Del. Sem. Hort. Hamburg. 1853:9, 1853 (n.v.) et Hamburger Garten- Blumenzeitung 9:505. 1853 (n.v.).

*Potent. anemonefolia* Lehm. / tab. 63. / Herb. Gaering / Japonia. [Lehm.] (one fertile stem, two leaves; PR 377925 [!]. – Holotype.

! regard *P. anemonefolia* as a species different from *P. sundaica* (Blume) W. Theobald in F. Mason.

*P. anomala* Ledeb., Fl. Ross. 2:53. 1843

*Potentilla anomala*. m. / Insula Sara mari / Caspii. [Ledebour] misit Ledebour / 1835 [Lehm.] (one fertile plant; PR 378046) [*P. reptans* L.]. – Syntype.

*P. anserinoides* Raoul, Ann. Sci. Nat. Bot., ser. 3, 2:123. 1844.

*P. anserinoides* Raoul / N. Zealand [Lehm.] Herbarium Lehmannianum [printed] (one fertile and one sterile stolons, three leaves, two flowers; PR 378194) [*P. anserina* L. subsp. *anserinoides* (Raoul) Soják]. – Probably an original specimen of Raoul.

*P. apennina* Ten., Fl. Napol. 1, Prodr. 30. 1811.

1) *Potentilla apennina* / Tenore / ab ipso [Lehm.] (two fertile individuals; PR 378059) [!];  
2) *Potentilla apennina* Tenore / ab ipso. 1857 [Lehm.] (two fertile plants; PR 378060) [!]. – Syntypes.

*P. approximata* Bunge in Ledeb., Fl. Alt. 2:241. 1830.

*Potentilla approximata* / Fl. alt. / Altai 1826 [Ledebour] misit Ledebour / 1835 [Lehm.] (one fertile stem, one leaf rosette; PR 378131) [!]. – Syntype.

*P. argentea* L. var. *sordida* Fr., Novit. Fl. Svec. 6:89. 1823 – see also *P. sordida* Fr. ex Aspegren

*P. argentea* β *sordida* / Fries Herb. norm. fasc. 4 no 64. / misit Koch Prof. Erlang. 1849 [Lehm.] (two fertile stems, one fertile individual; PR 378075) [*P. lindackeri* Tausch]. – Original material collected by Fries.

*P. argentea* L. var. *virescens* Wahlenb., Kong. Vetensk. Acad. Handl. 1821:316. 1821.

*P. argentea* β *virescens* / mihi in Act. Upsal. VIII. / Oelandia / Wahlenberg / 1821 [Lehm.] misit / Meyer Gott. [Lehm.] (two fertile stems; PR 378280) [*P. lindackeri* Tausch]. – Authentic specimens.

*P. argyroloma* Boiss. et Hohen. in Boiss., Diagn. Pl. Orient., ser. 1, 10:6. 1849.

346 *Potentilla argyroloma* n. sp. [Boiss.] Th. Kotschy. Pl. Pers. bor. ed. Hohenacker 1846 / No. 346 *Potent. argyroloma* Boiss. / et Hohenacker n. sp. / In jugo Naserou m. Demavend / alt. 7500' / 25. Jun. 1825 [Lehm.] Herbarium Lehmannianum [printed] misit Boissier 1849 [Lehm.] (one fertile plant, two stems, four basal leaves; PR 378215) [!]. – Syntype.

*P. argyrophylla* Wall. [Numer. List 1020. 1829 nom. nud.] ex Lehm. Nov. Stirp. Pug. 3:36. 1831.

*P. argyrophylla* / Lehm. Pugillus 3 pag. 36 [Lehm.] (one leaf, one inflorescence fragment; PR 377956) [!; the herbarium material preserved is hardly sufficient for safe discrimination of *P. argyrophylla* and *P. venusta* Soják; the original illustration by Lehmann and isotypes may be helpful in the identification].

*P. argyrophylla* Wall. ex Lehm. var. *leucochroa* Wall. [Numer. List no. 1019. 1829 nom. nud. pro sp.] ex Hook.f., Fl. Brit. India 2:357. 1878.

*P. leucochroa* Lindl. [Lindley?] (one fertile specimen, two leaves; PR 377988) [*P. venusta* Soják or a hybrid between *P. venusta* and *P. atrosanguinea* Lodd.]. – Authentic material.

*P. asperrima* Turcz., Bull. Soc. Imp. Naturalistes Moscou 16:609. 1843.

1) *Potentilla asperrima* Turcz. / Ad fl. Schilka 1833 [Turczaninow] com. cl. Turczaninow [Lehm.] A Richter / Moskwa / 1837 [Richter] (one fertile plant; PR 377941) [!];

2) *Potentilla asperrima* Turcz. / In praeruptis lapidosis ad fluv. Schilka Turcz. [Turczaninow] *Pot. asperrima* Turcz., misit Fischer, Turczan. [Lehm.] *Pot. asperrima* Herb. Ledeb. [Lehm.] (two fertile plants, three leaves; PR 377940) [!]. – Syntypes.

*P. astragalifolia* Bunge in Ledeb., Fl. Alt. 2:246. 1830.

*Potentilla astragalifolia* m. fl. alt. / Bunge [Bunge] misit Bunge [Lehm.] (one fertile plant; PR 378133) [!]. – Syntype.

*P. baeniczkyi* Friv., Flora 19:437. 1836.

*Pot. Benytskii* Frivaldsky / Rumelia Frivaldsky [Lehm.] (two fertile plants; PR 378095) [*P. rupestris* L.]. – Type status unknown.

*P. bannehalensis* Cambess. in Jacquem., Voy. Inde 4:Bot. 52. 1844.

*Potentilla Bannehalensis* Camb. / No 780 [Jussieu?] misit A. de Jussieu 1849 [Lehm.] Voyage de V. Jacquemont aux Indes orient. [printed] (one fertile stem; PR 378141) [!]. – Type status unknown.

*P. bifurca* L. var. *glabrata* Lehm., Nov. Stirp. Pug. 9:33. 1851.

*P. bifurca* / *glabrata* / *elongata* [Lehm.] (two fertile stems; PR 377971) [*P. semiglabra* Juz.]. – Holotype.

*P. blaschkeana* Turcz. ex Lehm., Del. Sem. Hort. Hamburg. 1853:9, 1853 (n.v.) et Hamburger Garten–Blumenzeitung 9:506. 1853 (n.v.).

*Potentilla Blaschkeana* Turcz. ined. *Ian vera P. intermedia* L. quam non vidi / In coloniis Americis Rossicis (verosim. in / Unalashka) legit Doctor Blaschke. [Turzaninow] misit Turczan. 1852 [Lehm.] (one fertile plant; PR 377924) [*P. gracilis* Lindl.]. – Holotype.

*P. brachypetala* Fisch. et C. A. Mey. ex Lehm., Del. Sem. Hort. Hamburg. 1849:9, 1849.

*Potentilla brachypetala* / Fisch. et Mey. (Mss.) / In altioribus montibus districti / Alexandrapolensis prope pagum / Gargar, ad rupes. / Fischer / misit Fischer / Sept. 1849 [Lehm.] (one fertile stem, one leaf rosette; PR 377912) [!]. – Holotype.

*P. brevifolia* Nutt. in Torr. et A. Gray, Fl. N. Amer. 1:442. 1840.

*Pot. brevifolia* Nutt. / ab ipso. / Spec. Nutt. in Herb. Torrey [Lehm.] Herbarium Lehmannianum [printed] (one fertile plant; a drawing is attached; PR 378110) [!]. – Syntype.

*P. breviscapa* Vest, Flora 4:158. 1821.

*Potentilla breviscapa* / Dr. V. Vest [Vest] (two fertile plants; PR 378036) [*P. micrantha* Ramond ex DC. in Lam. et DC.]. – Authentic specimen.

*P. buccoana* Clementi, Sert. Orient. 39. 1855.

*Potentilla Buccoa* mihi / *P. grandiflora olympica* mihi / (vide Sertum Olympicum) / In herbidis saxosis Olympi bith / 19. Aug. 1850 Clementi legit [Clementi] (one fertile plant; PR 378080) [!]. – Syntype.

*P. caespitosa* Lehm., Del. Sem. Hort. Hamburg. 1849:10, 1849 (non Rafin. 1840)

1) *Potentilla caespitosa* Lehm. flor. [Lehm.] Herbarium Lehmannianum [printed] *Potentilla* / ad *Pot. niveam* pertinere videtur / misit A. de Jussieu 1849 / No 522 [Lehm.] Voyage de V. Jacquemont aux Indes orient. [printed] (two fertile individuals, one flower; PR 378204) [*P. sino-nivea* Hult.] – lectotype, selected here;  
2) *P. nivea* var. *caespitosa* / distincta videtur species / *P. argyrophylla* Wall. / Herb. Munroanum No. 864. [Lehm.] (one fertile plant; PR 378205) [*P. saundersiana* Royle].

*P. calabra* Ten., Fl. Napol. 1, Prodr. 68. 1811.

*Potentilla calabra* Ten / In saxosis Stabiarum hirpi- / norum / Tenore / 1846 [Tenore] (one fertile plant; PR 377973) [!]. – Syntype.

*P. candicans* Humb. et Bonpl. ex Willd. ex Schlechtendal, Ges. Naturf. Freunde Berlin Mag. 7:285. 1816.

*P. candicans* / HBrn. / Toluca / Humboldt [Lehm.; a blue paper label] (one fertile stem; PR 378082) [!]. – Syntype.

*P. candicans* Humb. et Bonpl. var. *nana* Humb., Bonpl. et Kunth, Nova Gen. Spec. Pl. 4:216. 1820.

*P. candicans* β *nana* / HBrn. [Lehm.] (one very imperfectly developed leaf rosette; PR 378081) [*P. candicans* Humb. et Bonpl.]. – Syntype.

*P. canescens* Besser, Prim. Fl. Galic. Austr. 1:330. 1809.

1) *Potentilla canescens* / Prim. Fl. Galic. / In apricis volhyn. / Herb. W. Besser [Besser] com. cl. Besser [Lehm.] (one fertile stem PR 377965) [*P. inclinata* Vill.];  
2) *Pot. canescens* / Besser / e Volhynia [Lehm.] (one fertile stem; PR 377976) [*P. inclinata* Vill.]. – Syntypes.

*P. cathaclines* Lehm., Nov. Stirp. Pug. 3:37. 1831 (*P. cataclines* Lehm., Revis. Potentill. 150. 1856).

1) *Pot. cathaclines* / Lehm. Pugillus 3 pag 37 [Lehm.] (one fertile plant; PR 377942) [*P. atrosanguinea* Lodd.] – lectotype, selected here;  
2) *Potentilla cathaclines* / Lehm. [Lehm.] (one fertile stem, one leaf; PR 377943) [*P. atrosanguinea* Lodd.].

*P. caulescens* L. var. *villosa* Boiss., Voy. Bot. Espagne 204. 1840 – see also *P. petrophila* Boiss.

235. *P. caulescens* L. / var. *villosa* Boiss. / S. Nevada. [printed] *petrophila* Boiss. Suppl. [Boissier] (two fertile and two sterile individuals; PR 377958) [*P. caulescens* subsp. *petrophila* (Boiss.) Nyman]. – Syntype.

*P. chrysocraspeda* Lehm., Del. Sem. Hort. Hamburg. 1849:10, 1849.

*Potentilla chrysocraspeda* Lehm. / *Pot. Brauniana* varietal *auricoma*? / In Banatu Rochel. [Lehm.] Herbarium Lehmannianum [printed] (one fertile plant; a printed original description from Del. Sem. Hort. Hamburg. is attached; PR 377975) [*P. ternata* K. Koch]. – Holotype.

*P. cicutariaefolia* Willd., Sp. Pl. 2:1098. 1799.

*P. cicutariaefolia* HBm [Lehm.] misit Willdenow / *Pot. cicutariaefolia* Willd. / E. herbar Willd. [Lehm.] (one fertile plant, one fertile stem; PR 378003) [*P. supina* L.; fruits not developed, subspecies cannot be identified]. – Syntype.

*P. cilicia* Boiss., Diagn. Pl. Orient., ser. 1, 3:7. 1843.

*P. cilicia* Boiss. / Alexandrie / Aucher-Eloy-Herb. d'Orient / No. 1461. Herb. Boiss. [Lehm.] Herbarium Lehmannianum [printed] (one fertile stem, two flowers, one leaf; PR 377974) [*P. kotschyana* Fenzl]. – Syntype.

*P. colorata* Lehm., Nova Acta Phys. -Med. Acad. Caes. Leop. -Carol. Nat. Cur. 14(2):817, ?1820 (n.v.).

1) *P. colorata* Lehm. / Ind. Sem. 1820 / collector [Lehm.] (two inflorescences, one leaf; PR 378032) [*P. nepalensis* Hook. f.] – lectotype, selected here;

2) 1027 [Wallich] *P. colorata* Lehm. [Lehm.] misit Wallich [?] (three inflorescence fragments, one leaf; PR 378033) [*P. nepalensis* Hook. f.];

3) – 6) *P. colorata* / H. bot. Hbg. 50 [?] (6 fertile stems and 5 leaves on four sheets; PR 377990, 377991, 377992, 377949) [*P. nepalensis* Hook. f.].

*P. commutata* Lehm., Nov. Stirp. Pug. 3:16. 1831 (*P. microphylla latifolia* Wall. ex Lehm., Monogr. *Potentill.* Suppl. 1:6. 1835).

*P. microphylla* ♂ *latifolia* Wall. / e Kamoan / mis. Wallich 1830 [Lehmann's assistant] *P. commutata* Lehm. [Lehm.] (two fertile plants, one leaf; PR 378137) [*P. commutata* Lehm. var. *commutata*; leaves with 8–10 leaflet pairs, about ten stamens]. – Holotype.

*P. conferta* Bunge in Ledeb., Fl. Alt. 2:240. 1830.

*Potentilla conferta* m. / fl. alt. / Bunge [Bunge] (one fertile plant, leaf fragments; PR 378016) [!]. – Syntype.

*P. coriandrifolia* D. Don, Prodr. Fl. Nepal. 232. 1825.

*P. coriandrifolia* Don [Lehm.] *Pot. coriandrifolia* / ded. Don Lond 1830 [?] (one fertile plant, fragments of another specimen; PR 378254) [!]. – Syntype.

*P. corsica* Soleir. ex Lehm., Del. Sem. Hort. Hamburg. 1849:7, 1849.

*Potentilla corsica* Gay. / Corsica /Solander?/ ded. Zeyher / 1833. [Lehm.] (three fertile plants; PR 378029) [*P. rupestris* L.]. – Holotype.

*P. crassa* Tausch ex Opiz [Böheims Phan. Crypt. Gewächse 63. 1823 nom. nud.] ex Zimmeter, Eur. Art. *Potentilla* 8. 1884.

*Potentilla crassa* Tsch. / (: serious *P. rigida* dicta :) / In montibus circa Pragam [Tausch] Ex herb. Tausch / misit Kosteletzky 1850 [Lehm.] (one fertile stem; PR 378034) [*P. recta* L.]. – Syntype.

*P. crassinervia* Viv., Fl. Cors. Prodr., App. 1:2. 1825.

a) *Potentilla crassinervia* Nob. / Corsica. [Viviani] Viviani 1835 [?] (one fertile plant; PR 377923) [!]; b) *Potentilla crassinervia* Viv. / Append. ad Flor. Cors. Prodr. / 1825 / Corsica / com cl. Viviani 1835. [Lehm.] A. Richter 1837 [Richter] (one fertile plant; PR 377923) [!]; c) *Potentilla crassinervia* Viviani / Fl. Cor. Append. [Viviani?] Viviani [?] (one fertile and two sterile individuals; PR 377923) [!]. – Syntypes.

*P. crinita* A. Gray, Mem. Amer. Acad. Arts 2/4:41. 1849.

No. 199 *P. crinita* A. Gr. in Pl. Fendl. [A. Gray] Plantae Novo-Mexicanae / A. Fendler coll. 1847 [printed] A. Gray Plantae Fendlerianae / Novi-Mexicanae in Memoirs / of the American Academy / 1849 pag. 41. [Lehm.] (two fertile plants; PR 378122) [!]. – Syntype.

*P. dasyphylla* Bunge in Ledeb., Fl. Alt. 2:243. 1830.

*Potentilla dasyphylla* / Fl. alt. / Altai. [Ledebour] misit Ledebour / 1835 [Lehm.] (one fertile plant; PR 378157) [*P. sericea* L.]. – Bunge's original specimen.

*P. dealbata* Bunge in Ledeb., Fl. Alt. 2:250. 1830.

1) *Potentilla dealbata* / Fl. alt. / Altai 1826 [Ledebour] misit Ledebour / 1835 [Lehm.] (one stem, one leaf rosette; Bunge's original specimen; PR 378166) [*P. virgata* Lehm.];  
2) *Potentilla dealbata* m. / fl. alt. misit Bunge [Bunge] (one fertile stem, one leaf; PR 378167) [*P. virgata* Lehm.]. – Syntypes.

*P. debilis* Schleich. ex Gaudin, Fl. Helv. 3:400. 1828.

1) *Pot. debilis* Schleich / ab ipso / adest in herb. Hooker. [Lehm.] (three fertile plants, one fertile stem; PR 377931) [*P. crantzii* (Crantz) Beck ex Fritsch];  
2) *Pot. debilis* / ab ipso Schleichero / *incisa* Lehm. videtur / misit Koch Prof. Erlangens / 1849 [Lehm.] (three fertile stems, two leaves; PR 377932) [*P. crantzii* (Crantz) Beck ex Fritsch]. – Syntypes.

*P. decumbens* Jord., Cat. Jard. Bot. Grenoble 1849:22, 1849.

*P. decumbens* Jord.! ind. s. hort. / grat. 1849 / de Dardilly près de Lyon. / in horto lecta jul. 1849 / Jordan [Jordan] misit Jordan / Feb. 1850 [Lehm.] (one fertile stem; PR 377946) [*P. argentea* L.]. – Authentic specimen.

*P. delphinensis* Gren. et Godr., Fl. France 1:530. 1849.

*P. delphinensis* nob. / Lautaret (Dauph.) / Grenier 1850 [Grenier?] misit Gordon 1850 [Lehm.] (one fertile plant; PR 378079) [!]. – Authentic specimen.

*P. demissa* Jord., Cat. Jard. Bot. Grenoble 1849:22, 1849.

*Potentilla demissa* Jord. ind. s. hort. / Lyon Bonand / in collibus graniticis. / Jordan/ jul. 1848 [Jordan] misit Jordan / Febr. 1850 [Lehm.] (one fertile plant; PR 377947) [an atypical *P. argentea* L.]. – Authentic specimen.

*P. desertorum* Bunge in Ledeb., Fl. Alt. 2:257. 1830.

*Potentilla desertorum* / Fl. altaica / Altai. 1826 [Ledebour] misit Ledebour / 1835 [Lehm.] (three fertile stems; PR 377959) [!]. – Bunge's original material.



*P. diffusa* A. Gray, Mem. Amer. Acad. Arts 2/4:41. 1849 (non Willd. 1809) [= *P. propinqua* Rydb. Bull. Torrey Bot. Cl. 28:176. 1901].

198 / *P. diffusa* A. Gr. in / Pl. Fendl. [A. Gray] Plantae Novo-Mexicanae. / A. Fendler coll. 1847 [printed] Plantae Fendlerianae Novi-Mexicanae / in Memoirs of the Amer. Academ. / 1849. pag. 41. / misit A. Gray [Lehm.] (one fertile plant; PR 378121) [*P. hippiana* Lehm.]. – Syntype.

*P. digitato-flabellata* A. Braun et Bouché, Ind. Sem. Hort. Bot. Berol. 1851:3, 1851 (n.v.).

1) *Pot.* / Hort. Friburg 1850. [A. Braun?] misit A. Braun mense Auguste 1851 [Lehm.] (two inflorescences; PR 377960) [*P. intermedia* L.];

2) *Potentilla digitato-flabellata* Braun / Ex hort. Berolin [Lehm.] (three inflorescences, one sterile lower part of stem; PR 377961) [*P. intermedia* L.]. Both sheets represent original material of *P. digitato-flabellata*.

*P. discolor* Cambess. in Jacquem., Voy. Inde 4:Bot. 53. 1844.

*Potentilla discolor* Camb. / n. 1949 [Jussieu?] *Pot. Salesowii* Steph. / misit A. de Jussieu / 1849 [Lehm.] Voyage de V. Jacquemont aux Indes orient. [printed] (three leaves, four flowers; PR 378022) [*P. salesoviana* Stephan]. – Type status unknown.

*P. diversifolia* Lehm., Nov. Stirp. Pug. 2:9. 1830.

1) *P. diversifolia* Lehm / nov sp. N. W. Amer. / 1829 von Hooker z. Bestimmung gesandt [Lehmann's assistant] (one fertile plant; PR 378279) [*P. saximontana* Rydb.].

2) *P. diversifolia* Lehm / n. sp / N. W. America / mis. Hooker 1829 / z. Bestimmung gesandt [Lehmann's assistant] (one fertile individual, three stems; PR 378126) [*P. saximontana* and *P. glaucophylla* Lehm. × *P. hippiana* Lehm.];

3) *P. glaucophylla* Lehm. / Ind. sem. 1836 collect. /?! *Potentilla diversifolia* var. *glabrescens* Lehm. / N. W. America / mis. Hooker 1829 [Lehmann's assistant] (three fertile plants, two fertile stems; PR 378127) [*P. glaucophylla* Lehm.].

The herbarium material under the name of *P. diversifolia* in the Lehmann herbarium belongs to three different taxa. The sheet no. 378127 contains three plants having long styles and leaflets glabrate beneath (only the tooth surface and the margins bear straight hairs). These plants do not correspond to the original description of *P. diversifolia*, and were recognized by Lehmann as *P. glaucophylla* Lehm. 1836 = *P. diversifolia* var. *glaucophylla* Lehm. 1856. However, they represent what is understood under the name *P. diversifolia* in the current conception of American authors. The left plant on this sheet has three pairs of approximated leaflets; two smaller specimens on the same sheet (right side) having palmate leaves are selected as the lectotype of *P. glaucophylla* here.

The sheet no. 378279 contains one individual with short styles and three pairs of leaflets greyish tomentose beneath. This specimen is identical with *P. saximontana* Rydb.

The sheet no. 378126 contains four plants belonging to *P. saximontana* as well (all of them to the form with two leaflet pairs), and one plant having long styles and three strongly approximated leaflets sparsely greyish tomentose beneath (i.e. with dense straight long hairs and short curved or flexuose-suberispate hairs). I regard the latter plant as a hybrid between *P. glaucophylla* and *P. hippiana*, and select it as the lectotype of *P. diversifolia*. It should be added that all the plants on the sheets nos. 378279 and 378126 correspond to the Lehmann's original description.

To summarize the problem, a correct name for the glabrate taxon commonly called *P. diversifolia* hitherto is *P. glaucophylla* Lehm. A similar taxon with sparsely tomentose leaflets beneath, regarded as a product of the hybridization between *P. glaucophylla* and *P. hippiana* by me, should bear the name *P. diversifolia* Lehm., on the basis of the present typification.

*P. doubjonneana* Cambess. in Jacquem., Voy. Inde 4:Bot. 50. 1844.

*Potentilla Doubjonneana* Camb. / no. 480 [Jussieu?] Misit A. de Jussieu / 1849 [Lehm.] (two fertile individuals; PR 378001) [!; flowers 1.5–2 cm in diameter, basal leaves polystichous]. – Type status unknown.

*P. drummondii* Lehm., Nov. Stirp. Pug. 2:9. 1830.

*Potentilla Drummondii* / Lehm. n. sp. / N. W. America / 1829 von Hooker z. Bestimmung gesandt [Lehmann's assistant] (one fertile plant; PR 378116) [!]. – Syntype.

*P. effusa* Dougl. ex Lehm., Nov. Stirp. Pug. 2:8. 1830.

- 1) *Potentilla effusa* Dougl. / Mss. / N. W. America / 1829 Von Hooker z. Bestimmung gesandt. [Lehmann's assistant] (three fertile stems; PR 378115) [!];
- 2) a) Syst. 1182 / *P. effusa* / Hort. Hbg. / 1851 [?] (upper part of a fertile stem, two leaves; PR 378061) [!]; b) *Potentilla effusa* Dougl. [Lehm.] ex horto nostro 1849 [?] (one fertile stem; PR 378061) [!];
- 3) *Potentilla effusa* Dougl. / ex hort. Hamb. 1841 [?] (two fertile stems, one leaf; PR 378130) [!];
- 4) *Pot. effusa* / h. H. 54 [?] (two fertile stems, one leaf rosette; a drawing with the next attached; PR 378062) [!]. – Syntypes.

*P. ehrenbergiana* Schlechtendal, Linnaea 13:261. 1839.

*Pot. Ehrenbergiana* ! [Lehm.] *Potentilla Ehrenbergiana* / Schlechtld. / Mexico C. Ehrenberg [Ehrenberg] ded. Klotzsch / mense October / 1851 [Lehm.] (one fertile plant, two fertile stems, three leaves; PR 377920) [!]. – Holotype.

*P. elatior* Willd. ex Schlechtendal, Ges. Naturf. Freunde Berlin Mag. 7:295. 1816.

*P. elatior*. [Lehm.: a blue paper label] (an upper and a lower part of fertile stem, one leaf) [!]. – Holotype.

*P. elegans* Cham. et Schlechtendal, Linnaea 2:22. 1827.

*Potentilla elegans* / Chamisso / e pl. Redowski / Kamsch [?] (one fertile individual; a type specimen of Chamisso; PR 377964) [!]. – Syntype.

*P. ellwindensis* Boiss., Diagn. Pl. Orient., ser. 1, 6:51. 1845.

- 1) Th. Kotschy, Pl. Pers. austr. Ed. R. F. Hohenacker. 1845 / 570. *Potentilla* (*Potentill- / astrum*) *Ellwendensis* Boiss. / n. sp. / In alpe Kuh-Daena. Jul. m. 1842 [printed] 570. *Potentilla Ellwendensis* Boiss. [Boissier] (three fertile plants; PR 378086) [!];
- 2) Kotschy Pl. Pers. austr. No. 570 / *Pot. Ellwendensis* Boiss. / misit Boissier 1849 [Lehm.] (two fertile plants; PR 378089) [!]. – Syntypes.

*P. elongata* Goldb., Flora 3:20. 1820 nom. nud. (*P. Goldbachii* Rupr., Fl. Ingr. 319. 1860).

*Potentilla elongata* mihi / ?*recta* L. / Mosquae [Goldbach] autogr. def. Goldb. [Lehm.] (one leaf rosette, two stems; PR 377986) [*P. thuringiaca* Bernh. ex Link]. – Authentic specimen.

*P. eriocarpa* Wall. [Numer. List no. 1012. 1829 nom. nud.] ex Lehm., Nov. Stirp. Pug. 3:35. 1831.

*Potentilla eriocarpa* Wall. / Himelaya Kamounensis (sic!) / Mis. Wallich 1830 [Lehmann's assistant] *Pot. eriocarpa* Wallich Herb. Hook. [Lehm.] Herbarium Lehmannianum [printed] (two basal parts of stem, leaf fragments, flowers, four caudices without leaves; PR 377913) [!]. – Lectotype, designated here.

*P. eversmanniana* Fisch. ex Ledeb., Fl. Ross. 2:42. 1843.

*Potentilla Eversmanniana* F. / Hab. in decliviis petrosis montium calcar. Basch- / kiriae prope pagum Andreiewka. / Primum detecta a centurione Korin, communicata / a cl. Eversmann, Professore Kasaniensis [Fischer] (one fertile plant; PR 378156) [!]. – Syntype.

*P. fenzlii* Lehm., Del. Sem. Hort. Hamburg. 1849:10, 1849.

No. 181. / In monte Tauro / Aetate 1836. / legit Th. Kotschy [Lehm.] Herbarium Lehmannianum [printed] (two fertile plants; PR 377951) [*P. argentea* L. x *P. meyeri* Boiss.?]. – Holotype.

*P. fissa* Nutt. ex Torr. et A. Gray, Fl. N. Amer. 1:446. 1840.

*Pot. fissa* Nutt. / ab ipso / H. A. Gray [Lehm.] Herbarium Lehmannianum [printed] (one fertile stem, two inflorescence fragments, four leaves; PR 378066) [!]. – Syntype.

*P. flabellifolia* Hook. ex Torr. et A. Gray, Fl. N. Amer. 1:442. 1840.

*Pot. flabellifolia* Hook. / in Torr. et Gray Flora p. 442. / Herb. Hook. [Lehm.] Herbarium Lehmannianum [printed] (one fertile individual; PR 378123) [!]. – Syntype.

*P. flabelliformis* Lehm., Nov. Stirp. Pug. 2:12. 1830.

*Potentilla flabelliformis* / Lehm. n. sp. / N. W. America / 1829 V. Hooker z. Bestimmung gesandt. [Lehmann's assistant] (one stem, five leaves; PR 378125) [!]. – Lectotype, designated here.

*P. flabelliformis* Lehm. var. *tenuior* Lehm., Revis. *Potentill.* 108. 1856.

*Pot. flabelliformis* / Lehm. Pugillus 2 pag. 12 / β *tenuior* [Lehm.]. (one fertile plant, one leaf; PR 378124) [*P. flabelliformis* Lehm.]. – Holotype.

*P. flagellaris* Willd. ex Schlechtendal, Ges. Naturf. Freunde Berlin Mag. 7:291. 1816.

*P. flagellaris* / Hab. in Sibiria orientali / ad Jeniseum / Laxmann / H. Brn. [Lehm.; a blue paper label] (one fertile plant, one fertile stem, fragments; PR 377926) [!]. – Syntype.

*P. fragiformis* Willd. ex Schlechtendal, Ges. Naturf. Freunde Berlin Mag. 7:294. 1816.

*Potentilla fragiformis* / H Brn / Habitat in insulis / versus Americam [Lehm.; a blue paper label] (one fertile stem, leaf rosette; PR 377952) [!]. – Lectotype, designated here.

*P. fruticosa* var. *grandiflora* Willd. ex Schlechtendal, Ges. Naturf. Freunde Berlin Mag. 7:284. 1816.

*P. fruticosa grandiflora* / HBrn [Lehm.; a blue paper label] (one fertile branch; PR 378012 [*P. fruticosa* L.; flower 3.2 cm in diameter]). – Holotype.

*P. fusca* Schlechtendal, Linnaea 13:262. 1839.

*Pot. fusca* Schlechtend. / Linnaea 13 / ab ipso Schlechtend. [Lehm.] (one leaf; PR 378117b) [*P. rubra* Willd. ex Schlechtendal]. – Syntype.

*P. gelida* C. A. Mey., Verz. Pfl. Casp. Meer 167. 1831.

*Potentilla gelida* m. / (*P. grandiflora* fl. alt. / II. p. 259) [C. A. Meyer] comm. cl. C. A. Meyer [Lehm.] (one fertile plant; PR 377953). According to the leaflet indentation, the plant belongs to *P. gelida* subsp. *boreo-asiatica* Jurtz. et Kamelin, it does not come from the Caucasus where the species was described from. It was probably collected in the Altai and we therefore cannot regard it as a type specimen. There is another specimen in the Lehmann herbarium (without indication of its collector) that might have been collected by Meyer from the Caucasus: "*Potentilla gelida* C. A. Meyer. Caucasus. Acad. Petropol."

*P. geranioides* Willd., Sp. Pl. 2:1101. 1799.

*P. geranioides* / HBrn. [Lehm.; a blue paper label] *P. geranioides*. ex herb. Willd. [Lehm.] *Potentilla geranioides* Monogr. Potent. pag 87 [Lehmann's assistant] (one fertile and one sterile plant, three fertile stems, two leaves; PR 377927) [!]. – Syntype.

*P. geranioides* Schleich. ex Lehm., Revis. *Potentill.* 206. 1856 pro syn., non Willd. 1799 (*P. schleicheri* Zimmeter Eur. Art. Potent. 26. 1884).

*P. geranioides* Schleicher, ab ipso Schleichero [Lehm.] (one fertile individual; PR 378195) [*P. × ambigua* Gaudin]. – Authentic specimen.

*P. gerardiana* Lindl. [in Wall., Numer. List no. 1023. 1829 nom. nud.] ex Lehm., Nov. Stirp. Pug. 3:23. 1831.

1023 [Wallich] *Potentilla Gerardiana* Lindl. / Sinmore / mis. Wallich 1830 [Lehmann's assistant] (one fertile plant, four fertile stems; PR 378253) [!]. – Lectotype, designated here.

*P. geyeri* Lehm. in sched. ex Th. Wolf, Monogr. *Potentilla* 400. 1908 pro syn.

Varia 259. / *Potentilla Geyeri*. Lehm. / Hort. Bot. Hamb. / 1851 [?!] (ten fertile stems; PR 378073) [*P. biennis* Greene]. – Original material.

*P. glabrata* Willd. ex Schlechtendal, Ges. Naturf. Freunde Berlin Mag. 7:285. 1816.

*P. glabrata* / HBrn. [Lehm.; a blue paper label] (one fertile branch; PR 378011) [!; leaflets hairy on the midrib below, otherwise glabrous, peduncles, hypanthia and sepals with dispersed hairs]. – Holotype.

*P. glauca* Cambess. in Jacquem., Voy. Inde 4:Bot. 54. 1844.

*Potentilla glauca* Cambess. / No. 1679 / Voyage de Jacquemont. / Herb. Juss. [Lehm.] *Potentilla glauca* Camb. / N. 1679 [Jussieu?] Voyage de V. Jacquemont aux Indes orient. [printed] *Pot. bifurca* variet misit A. de Jussieu 1849 [Lehm.] *Pot. bifurca* γ *glaucescens* / *P. glauca* Cambess. [Lehm.] (one fertile plant, four leaf rosettes; PR 377972) [*P. moorcroftii* Wall. ex Lehm.]. – Type status unknown.

*P. glaucescens* Willd. ex Schlechtendal, Ges. Naturf. Freunde Berlin Mag. 7:289. 1816.

*P. glaucescens* / HBrn / misit Willdenow [Lehm.; a blue paper label] (one fertile specimen; PR 377928) [*P. incana* Gaertn., Mey. et Scherb.].

*P. glaucophylla* Lehm., Del. Sem. Hort. Bot. Hamburg. 1836:7, 1836 – see *P. diversifolia* Lehm.

*P. guentheri* Spreng., Pl. Min. Cogn. 1:34. 1813.

*Potentilla Güntheri* / Spr. [Sprengel] Sprengel misit [Lehm.] *Potentilla Güntheri* / Monogr. Potent. pag. 97 / tab. 10 [Lehmann's assistant] (one fertile stem; PR 377995) [*P. collina* Wibel; numerous stellate hairs on the leaflets above]. – Probable holotype.

*P. haematochrus* Lehm., Del. Sem. Hort. Bot. Hamburg. 1836:7, 1836.

1) a) *Potentilla haematochrus* Lehm. / In montibus vallis Tolucensis leg. / G. Schiede [Schiede] misit Schlechtendal 1839 [Lehm.] (one fertile stem; PR 377921) [!] – the lectotype selected here; b) *Pot. haematochrus* Lehm. / Nueva España / Herb. Pavon [Lehm.] (one leaf, one inflorescence fragment; PR 377921) [!];

c) *Potentilla haematochrus* Lehm. / e Hort. Hamb. 1836 [?] (one fertile stem, fragments; PR 377921) [!];

2) *Potentilla haematochroa* Lehm. / Pr. Huajalote / Mexico / C. Ehrenberg [Ehrenberg] ded. Klotzsch mense October 1851 [Lehm.] (one fertile plant; PR 378102) [!];

3) *Potentilla haematochrus* Lehm. e Hort. Hamb. 1836 [?] (four leaves, one fertile stem; PR 377921b) [!]. – Syntypes.

*P. heynii* Roth, Nov. Pl. Sp. 235. 1821.

a) *Potentilla Heynii* / Roth Nov. Plant. Spec. p. 235 / Roth [Roth] *Pot. Heynii* Roth [Lehm.] (one fertile plant, leaf, flower; PR 378004) [!]; b) *Potentilla Heynii* / e reliquiis Heynianis / in India orientali lectum [?] (one fertile stem; PR 378004) [!]. – Syntypes.

*P. hippiana* Lehm., Nov. Stirp. Pug. 2:7. 1830.

1) *Potentilla Hippiana* Lehm. / n. sp. / *P. dealbata* Dougl. Mss. / *P. leucophylla* Torr. Anal. of Lyc. 1827 / N. W. America / 1829 Von Hooker z. Bestimmung gesandt [Lehman's assistant] (two fertile stems, two leaves; PR 378119) [!] – lectotype, selected here;

2) *Potentilla Hippiana* Lehm. / n. sp. / (*P. dealbata* Dougl. Mss.) / *P. leucophylla* Torr. Annals of the Lyceum / 1827 N. 260 / N. W. America / 1829 Von Hooker z. Bestimmung gesandt [Lehmann's assistant] (three fertile stems; PR 378120)[!];

3) Syst. 1187 / *Potentilla Hippiana* / H. bot. Hbg. 50. / 1851 [?] (three fertile stems, basal leaves) [!].

*P. hirta* L. var. *pinnatifida* Griseb. Spic. Fl. Rumel. 1:98. 1843.

*P. hirta* β *pinnatifida* Griseb. ab ipso. Thracia [Lehm.] (one fertile individual; PR 378182) [*P. lacinosus* Waldst. et Kit.; leaflets pinnatisect almost to the midrib, very densely hairy beneath with straight stiff hairs]. – Syntype.

*P. hololeuca* Boiss. ex Lehm., Nov. Stirp. Pug. 9:9. 1851.

Kotschy, Pl. Pers. bor. Ed. R. F. Hohenacker. 1846. / In m. Demawend. 1843. [printed] 345 *Potentilla hololeuca* Boiss. et Hohenack. / In jugo Nasserou. Alt. 7500' [?]; the same label copied by Lehmann; the same label copied by Boissier (one fertile plant, one stem, one leaf rosette; PR 378158) [!]. – Lectotype, selected here.

*P. holopetala* Turcz. – see *P. olopetala*

*P. holosericea* Griseb., Spic. Fl. Rumel. 1:99. 1843.

*P. holosericea* Griseb. / ab ipso [Lehm.] *Potentilla holosericea* / Grisebach / ded. Griseb. [Lehm.] Herbarium Lehmannianum [printed] (one fertile stem, two leaves, inflorescence fragment; PR 377977) [*P. detommasi* Ten.]. – Syntype.

*P. hookeriana* Lehm., Del. Sem. Hort. Bot. Hamburg. 1849:10, 1849.

*Pot. Hookeriana* / Lehm. / Burke Amer septentr R Mount [Lehm.] (one fertile plant, four fertile stems, one leaf; PR 378171; a printed original description from Del. Sem. Hort. Bot. Hamburg. is attached). – Holotype. – A form morphologically identical with *P. quinquefolia* Rydb. In my present opinion, *P. hookeriana* is a mere variant of *P. rubricaulis* Lehm., characterized by all leaves palmate.

*P. humifusa* Willd. ex Schlechtendal, Ges. Naturf. Freunde Berlin Mag. 7:289. 1816.

*P. humifusa* / HBrn / misit Willd [Lehm.; a blue paper label] (one fertile individual; PR 377994) [!]. – Syntype.

*P. hypoleuca* Turcz., Bull. Soc. Imp. Naturalistes Moscou 16:619. 1843.

*P. hypoleuca* Turcz. / In lapidoso ad lacum salsum districtus Mi- / nussinensis 1841 / Turcz [Turczaninow] misit Turcz. 1852 [Lehm.] (one fertile stem; PR 378148) [*P. multifida* L.]. – Lectotype, designated here.

*P. iberica* Lehm. in sched. ex Th. Wolf, Monogr. *Potentilla* 480. 1908 pro syn.

*P. iberica* / H. bot. Hbg. 50 / Syst. 1161 [?] (four fertile stems on three sheets; PR 378188, 378187, 378186) [*P. adscharica* Somm. et Lev.]. – Authentic material.

*P. inquinans* Turcz. [Bull. Soc. Imp. Naturalistes Moscou 16:624. 1843 pro syn.] ex Juz. Fl. SSSR 10:95. 1941 descr. ross.

*Potentilla inquinans* Turcz / In lapidosis ad fl. Schilka. / Turcz. [Turczaninow] misit Fischer Petropol. / 1849 [Lehm.] (one fertile specimen; PR 378132) [*P. saviczii* Schischk. et Kom.]. – Authentic material.

*P. × italica* Lehm., Del. Sem. Hort. Bot. Hamburg. 1849:11, 1849.

*Pot. italica* Lehm. [Lehm.] (three fertile stems; PR 378193) [*P. × italica* Lehm. = *P. erecta* (L.) Raeusch. × *P. reptans* L.]. – Holotype.

*P. jacquemontiana* Camb. in Jacquem., Voy. Inde 4:Bot. 51. 1844.

*Potentilla Jacquemontiana* Camb. / No. 748 [Jussieu?] *P. argyrophylla* / misit A. de Jussieu / 1849 [Lehm.] Voyage de V. Jacquemont aux Indes orient. [printed] (one fertile stem; PR 377955) [*P. argyrophylla* Wall. ex Lehm.]. – Type status unknown.

*P. kleiniana* Wight, Ill. Ind. Bot. 13:203, tab. 85. 1831.

Herb. Wight. propr. / Peninsula Ind. orientalis / printed/ *Potentilla Kleiniana* / W. et Arn. [Wight] (one fertile plant, one fertile stem; PR 378168) [*P. sundaica* (Blume) W. Theobald in F. Mason.]. – Syntype.

*P. kotschyana* Fenzl, Nov. Stirp. Syr. Pug. 1:6. 1842.

*Pot. Kotschyana* Fenzl / in monte Tauro / No. 182 / leg. Kotschy [?] Kotschy No. 182 misit Fenzl [Lehm.] (one fertile stem, one inflorescence branch, one leaf; PR 377968) [!]. – Syntype.

*P. kurdica* Boiss. et Hohen. in Boiss., Diagn. Pl. Orient., ser. 1, 3:4. 1843.

1) 407. *Potent. Kurdica* / Boiss. et Hohenacker / Ad fontes montis Gara in / Kurdistania Kotschy [Lehm.] (two fertile stems, one basal leaf; PR 378106) [!]. – Syntype.

2) *Potentilla Kurdica* B. et H. / Cult. Genevae e seminibus Kurdicis / Kotschyanis [Boissier] misit Boissier / 1849 [Lehm.] (one fertile stem, one leaf) [!]. – Authentic material.

*P. labradorica* Lehm., Del. Sem. Hort. Bot. Hamburg. 1849:12, 1849.

*Potent. Labradorica* [Lehm.] (three fertile plants; PR 377919) [*P. norvegica* L. var. *labradorica* (Lehm.) Fernald]. – Holotype.

*P. laciniosa* [Waldst. et] Kit. ex Nestl., Monogr. *Potentilla* 45. 1816.

*Potentilla laciniosa*. N. Sp. / Bei Zeima Czarda zwischen Ákard / und Szilidi Pusta in Pester Comitatus / dann in Banat im Gebirge. [Waldstein] (two fertile stems; PR 378000) [!]. – Authentic specimen.

*P. laxa* Willd. ex Schlechtendal, Ges. Naturf. Freunde Berlin Mag. 7:289. 1816.

*P. laxa* / HBrn [Lehm.; a blue paper label] (four stems, three leaves; PR 377993) [*P. humifusa* Willd. ex Schlechtendal]. – Syntype.

*P. leptopetala* Lehm., Del. Sem. Hort. Bot. Hamburg. 1830:8, 1830.

*P. leptopetala* Lehm [Lehm.] (one fertile plant) [!]. – Holotype.

*P. leschenaultiana* Ser. in DC., Prodr. 2:584. 1825.

*fragaria* No. 37 nom. indigen gahé-gueda / Mtes de Nellygerry [Leschenault] Mus. Paris 1830 [Lehm.] (one fertile specimen; PR 378014) [!]. – Leschenault's original specimen, compare Lehm., Revis. *Potentill.* 41. 1856.

*P. leuconota* D. Don, Prodr. Fl. Nepal. 230. 1825.

*P. leuconota* / ded. Don Lond. 1830 [Lehm.] (one fertile stem, two stipule pairs, two petals, one leaf) [!]. – Syntype.

*P. libanotica* Boiss., Diagn. Pl. Orient., ser. 1, 3:4. 1843.

- 1) *Potentilla libanotica* Boiss. / *rupes calcariae* Libani supra Eden / alt. 6000' Julio / 1846 [Boissier] misit Boissier / 1849 [Lehm.] (one fertile plant; PR 378057) [!];
- 2) a) Th. Kotschy. Iter Syriacum 1855. – In Libano ad Bscherre et circa Cedretum. / 280. *Potentilla Libanotica* Boiss. – Ipse / In rupibus calcaris versus Cedretum alt. 5000 ped. Die 21. Jul. [printed] *Pot. Libanotica* Boiss. / misit Boissier / 1849 [Lehm.] (two fertile plants, two fertile stems; PR 378056) [!]; b) *Pot. Libanotica* Boiss. / Aucher-Eloy Herbar d'Orient No. 1457 / in rupibus Libani [Lehm.] Herbarium Lehmannianum [printed] (one fertile stem; PR 378056) [!];
- 3) Th. Kotschy / 280 *Potentilla Libanotica* Boiss. Ipse. / in rupestribus calcaris versus Cedretum / alt. 5000 ped. Jul. [a manuscript copied by printing] Syria Kotschy (?) (three fertile specimens, three fertile stems; PR 377922) [!]. – Syntypes.

*P. lindenbergi* Lehm., Del. Sem. Hort. Bot. Hamburg. 1851:9, 1851. (n.v.) et Hamburger Garten- Blumenzeitung 7:339. 1851 (n.v.).

*Potentilla* / Ex India orientali / accepit Lindeberg [Lehm.] *Potentilla Lindenbergi* Lehm. [Th. Wolf] (two sterile specimens; brief notes by Wolf also attached) [*Sibbaldianthe adpressa* (Bunge) Juz.] The holotype of *P. lindenbergi*; a loose label with this name written by Lehmann has recently been lost.

*P. loddigesii* Spreng., Syst. Veg. 4:199. 1827.

*Pot. Loddigesii* Spreng. [Sprengel?] ded. Sprengel 1831 [Lehm.] (upper part of a fertile stem; PR 378236) [*P. inclinata* Vill.]. – Holotype.

*P. longipes* Ledeb. var. *subpinnatifida* Lehm., Revis. *Potentill.* 89. 1856.

*Pot. longipes* Ledeb. / Alexandri Lehm. / Reliquiae bot. / No. 452 [Lehm.] Herb. Hook. / Al. Bge. [Lehm.] (two fertile stems, a basal leaf; PR 378185) [*P. longipes* Ledeb.] – the type specimen of *P. longipes subpinnatifida* although the name is not written on the sheet.

*P. macrantha* Ledeb., Mém. Acad. Imp. Sci. St. Pétersbourg Hist. Acad., ser. 5, 5:542. 1815.

*P. macrantha* [Ledebour] misit Ledebour 1830 [Lehm.] (one fertile plant; PR 378005) [*P. macrantha* s. str.]. – Syntype. – This specimen belongs to the same form as the lectotype in LE. *P. macrantha* is a correct name for *P. jacutica* Juz. Original specimens of *P. macrantha* come from Jacutia, not from Kamchatka.

*P. mathoneti* Jord., Cat. Hort. Grenoble 10. 1849.

*Potentilla Mathoneti* Jord! Adn. in ind. h. / grat. 1849 / du Lautaret (Htes Alpes) / in horto lecta maio 1848 / Jordan [Jordan] misit Jordan m. Febr. 1850 [Lehm.] (one fertile plant; PR 377982) [*P. thuringiaca* Bernh. ex Link]. – Authentic specimen.

*P. megalontodon* Lehm., Del. Sem. Hort. Bot. Hamburg. 1839:8, 1839.

- 1) *Pot. megalontodon* Lehm / Ex horto Hamburgensi / *argentea* variet.? [Lehm.] *P. megalontodon* Lehm. / *canescens* variet [Lehm.] (three fertile stems; PR 377957) [*P. argentea* L. or more probably *P. argentea* × *P. inclinata*];
- 2) *Pot. megalontodon* / *canescens* variet [Lehm.] (leaf rosette, fertile stem; PR 377948) [*P. argentea* or *P. argentea* × *P. inclinata*];
- 3) *Pot. argentea* / variet. *megalontodon*. / Ex horto nostro [Lehm.] (leaf rosette; fertile stem; PR 377939) [*P. argentea* or *P. argentea* × *P. inclinata*]. – Syntypes.

*P. meifolia* Wall. [Numer. List. no. 1011. 1829 nom. nud.] ex Lehm., Nov. Stirp. Pug. 3:19. 1831.

1011 [Wallich] *P. meifolia* Wall. [Lehm.] (one fertile specimen, fragments; PR 378256) [*P. coriandrifolia* D. Don]. – Lectotype, designated here.

*P. meyeri* Boiss., Diagn. Pl. Orient., ser. 1, 3:7. 1843.

- 1) *Pot. Meyeri* Boiss. / Herb. Boiss. / *Pot. Thomsii* Ten? / Meyer Enum. Caucas. Casp. / No. 1492 [Lehm.] Herbarium Lehmannianum [printed] (one fertile plant; PR 377981) [!]; 2) 928. *Pot. Meyeri* Herb. Boiss. [Lehm.] (one fertile plant; PR 377980) [*P. argentea* × *P. meyeri* ?]. – Syntypes.

*P. microphylla* D. Don, Prodr. Fl. Nepal. 231. 1825.

*Pot. microphylla* / ded Don Lond 1830 [Lehm.] (two fertile stems, fragments; PR 378013) [!]. – Syntype.

*P. microphylla* D. Don var. *γ depressa* Wall. [Numer. List no. 1010 *γ*. 1829 nom. nud.] ex Lehm. Nov. Stirp. Pug. 3:19. 1831.

*Potentilla microphylla* / *γ depressa* Wall. / e Kamoon / Mis. Wall. 1830 [Lehman's assistant] 1010 *γ* [Wallich] (five fertile plants, a leaf, a flower; PR 377918) [*P. microphylla* D. Don]. – Lectotype, designated here.

*P. microphylla* D. Don var. *β glabriuscula* Wall. [Numer. List. no. 1010 *β*. 1829 nom. nud.] ex Lehm. Nov. Stirp. Pug. 3:19. 1831.

*Potentilla microphylla* / *glabriuscula* Wall. / e Himelaya [sic!] Kamounensis / mis. Wall. 1830 [Lehmann's assistant] 1010 [Wallich] (two fertile and two sterile specimens; PR 378074) [*P. microphylla* D. Don]. – Lectotype, designated here.

*P. millegrana* Engelm. ex Lehm., Del. Sem. Hort. Bot. Hamburg. 1849:11, 1849.

- 1) *Pot. millegrana* / Dr. Engelmann misit. [Lehm.] (three fertile parts of stem; PR 378228) [*P. biennis* Greene];
- 2) *Pot. millegrana* / St. Luis / Gray Engelmann M. Dr. / St. Louis / Herb. Alex Braun / May 1847 [Lehm.] (one inflorescence branch; PR 378212) – this specimen is selected as the lectotype here because the relevant plant was mounted to the label as early as during Lehmann's life, and it is the only one that comes from the original locality, St. Louis. The specimen consists of an inflorescence fragment difficult to identify, probably belonging to *P. rivalis* (*P. pentandra* also should be taken into consideration, but not *P. biennis*). The preceding specimen (no. 378228), a glandulose *P. biennis*, has not been selected as the lectotype because the label was affixed to the sheet additionally (after being cut from the common envelope, probably by Purkyně), does not bear any description of the locality, and, moreover, it cannot be excluded that the original text was partly cut off the label. The selection of the specimen no. 378228 would mean a change of the common usage of the name *P. biennis* Greene.

*P. minima* Hall. f. var. *robbinsiana* (Oakes) Lehm. – see *P. robbinsiana*



*P. × mixta* Nolte ex W. D. J. Koch, Syn. Fl. Germ. Helv., ed. 2, 239. 1843.

- 1) *Pot. mixta* Nolte / Nolte [Lehm.] *Potentilla mixta* [Nolte] 4–5 Blüten häufig nebeneinander / ab ipso Nolte 1838 [Lehm.] (four fertile stems; PR 378039) [*P. × mixta* = *P. anglica* Laichard. × *P. reptans* L.];
- 2) *Potentilla mixta* Nolte / No 1 / fl. shl. / Nolte [Nolte] *Pot. mixta* Nolte / (est hybrida) [Lehm.] (one fertile specimen; PR 378040) [!];
- 3) *Potentilla mixta* Nolte / No 2 / fl. shl. / Nolte [Nolte] Reichenb. Fl. German. Novit. / Am Einfelder See / E. J. Nolte, Professor [?] (two fertile plants, two fertile stems) [!]. – Syntypes.

*P. mollissima* Lehm., Del. Sem. Hort. Bot. Hamburg. 1831:6, 1831.

*P. mollissima* Lehm. [Lehm.] (one leaf, one flower; a drawing is attached depicting the general habit of the whole plant that has not been preserved in PR; *P. mollissima* is identical with *P. lipskyana* Th. Wolf and *P. komaroviana* Th. Wolf; PR 378109) [!]. – Type status unknown.

*P. moorcroftii* Wall. [Numer. List no 1014. 1829 nom. nud.] ex Lehm. Nov. Stirp. Pug. 3:30. 1831.

1014 [Wallich] *P. Moorcroftii* [Lehmann's assistant] (one fertile plant, a leaf, a petal, a calyx; PR 378042) [!]. – Lectotypus, selected here.

*P. multicaulis* Bunge, Enum. Pl. China Bor., 25. 1833.

*Potentilla multicaulis* Bge. / China [printed] (two fertile plants; PR 378155) [!]. – Very probably an original specimen of Bunge.

*P. multifida* L. var. *angustifolia* Lehm., Monogr. Potentill. 64. 1820 (sphalm. sub *P. supina*).

*P. multifida* / β *angustifolia* [Lehm.] (one fertile stem; PR 378145) [*P. multifida* L.]. – Holotype.

*P. multifida* L. var. *elongata* Lehm., Nov. Stirp. Pug. 9:36. 1851.

1) *Potentilla multifida* variet / Misit A. de Jussieu / 1849 / Kanaor [Lehm.] Voyage de V. Jacquemont aux Indes orient. [printed] (two fertile stems; PR 378151) [*P. multifida*];

2) *Potent. multifida* / Herb. Munroanum No. 866 / allied to *P. sericea* [Lehm.] Herbarium Lehmannianum [printed] (one fertile plant; PR 378150) [*P. multifida*]. None of the two gatherings bears the name of the variety. In spite of this fact, it undoubtedly is the material used for the description of *P. multifida* var. *elongata* Lehm.

*P. multifida* L. var. *latiloba* Lehm. f. *subternata* Lehm., Revis. Potentill. 35. 1856.

*Potentilla multifida* / δ *latifolia* / c *subternata* / Ex hort. Hambg. / 1850 [Lehm.] (one fertile stem, three leaves with two leaflet pairs, one leaf ternate; PR 378144) [*P. ornithopoda* Tausch]. – Holotype.

*P. multijuga* Lehm., Del. Sem. Hort. Bot. Hamburg. 1849:6, 1849.

*P. multijuga* Lehm. [Lehm.] (one fertile plant, leaf fragments, flowers; PR 378077) [*Horkelia cuneata* Lindl.]. – Holotype.

*P. munroana* Lehm., Del. Sem. Hort. Hamburg. 1849:7, 1849 (*P. munruana* Lehm. Revis. Potentill. 40. 1856).

*Pot. Munroana* Lehm. / Pot. No. 890 / Herb. Munroanum [Lehm.] (one fertile plant; PR 378138) [*P. gerardiana* Lindl. ex Lehm. var. *gerardiana*]. – Holotype.

*P. munroana* Lehm. var. *fuscescens* Lehm., Del. Sem. Hort. Hamburg. 1849:7, 1849.

1) *Potentilla Munroana* Lehm. Revis. gen. *Pot.* cum icon. (ined.) /  $\beta$  *fuscescens* / cl. Hügel [printed] (three fertile stems, two leaves; PR 378139) [*P. gerardiana* Lindl. ex Lehm. var. *gerardiana*];

2) *P. Munroana*  $\beta$  *fuscescens* [Lehm.] (three fertile specimens; PR 378140) [*P. gerardiana* var. *gerardiana*]. – Lectotype, selected here.

*P. × nana* Willd. ex Schlechtendal, Ges. Naturf. Freunde Berlin Mag. 7:296. 1816.

*P. nana* / HBrn. [Lehm.; a blue paper label] (one fertile plant; PR 378172). – Syntype. – Styles 1.5 mm long, leaves ternate, leaflets with  $\pm$  dispersed long straight hairs beneath; in my opinion, the plant belongs to *P. fragiformis* Willd.  $\times$  *P. hyparctica* Malte.

*P. nepalensis* Hook. f. var. *minor* Lehm., Revis. *Potentill.* 92. 1856. (= *P. Guilelmi* Waldemari Klotzsch in Klotzsch et Garcke, Bot. Ergebn. Reise Pr. Waldem. Preussen tab. 13 nom. illeg.).

*Pot. Guilelmi* Waldemari Klotz / tab. 13. / ab ipso / 1851 / Von Dr. Klotzsch gesandt [Lehm.] (two fertile stems; PR 377989) [*P. nepalensis* Hook. f.]. – Holotype.

*P. nepalensis* Hook. f. var. *prostrata* Lehm., Revis. *Potentill.* 92. 1856.

*Potentilla Nepalensis* Hook / No. 986 / misit A. de Jussieu / 1850 [Lehm.] Voyage de V. Jacquemont aux Indes orient. [printed] (one fertile plant; PR 378180). [*P. nepalensis* Hook. f.] – The type specimen of *P. nepalensis* var. *prostrata* although the name itself is not given on the label.

*P. nevadensis* Boiss., Elench. Pl. Nov. 40. 1838.

1) Herb. E. Boissier. / *Potentilla Nevadaensis* Boiss. El. no. 70. / in summa Sierra Nevada in fissuris rupium / loco Corral dicto. Alt. 9000'–10000'. / Aug. 1837 [printed] misit Boissier / 1849 [Lehm.] (one fertile specimen; PR 378108) [!];

2) *Potentilla Nevadaensis* / forma *laxa* / Sa Nevada [Boissier] misit Boissier / 1849 [Lehm.] (one fertile plant; PR 378087) [!]. – Syntypes.

*P. nivea* L. var. *floribunda* Lehm., Del. Sem. Hort. Hamburg. 1850:12, 1850.

*Pot. nivea* L. videtur / Herb. Munroanum no. 835? [Lehm.] (one fertile specimen; PR 378165) [*P. saundersiana* Royle s. str.]. – The type specimen of *P. nivea* var. *floribunda* although the name itself is not given on the label.

*P. nivea* L. var. *pentaphylla* Lehm. Del. Sem. Hort. Hamburg. 1850:10, 1850 [in Hook., Fl. Bor. Am. 195. 1832. sine nomine] (non Turcz. 1843).

1) *Potentilla nivea* L. / var. mit fol. quinatis gemischt. / N. W. America. / 1829 Von Hooker z. Bestimmung gesandt. [Lehmann's assistant] (three fertile plants; PR 378189) [*P. rubricaulis* Lehm. = *P. hookeriana* Lehm.];

2) *Pot. nivea* / Ex America septentr. / misit Hooker [Lehm.] (one fertile plant; PR 378191) [*P. rubricaulis* Lehm.];

3) *P. nivea* L. / N. W. America / 1829 Von Hooker zur Bestimmung gesandt [Lehmann's assistant] (four fertile plants; PR 378190) [*P. rubricaulis* Lehm.]. – Syntypes.

*P. nordmanniana* Ledeb., Fl. Ross. 2:53. 1843.

*Potentilla Nordmanniana*. Ledeb. / Caucas [Ledebour] (one fertile specimen; PR 378092) [!]. – Syntype.

*P. normalis* Besser ex Spreng., Syst. Veg. 4(2):199. 1827.

*Pot. normalis* Besser / von Besser [Besser] ded / Sprengel / 1931 [Lehm.] (an upper part of fertile stem, a leaf with two remote pairs of leaflets – distance between pairs 1.0–1.5 cm; PR 378017) [*P. normalis* Besser ex Spreng. 1827 = *P. bipinnatifida* Douglas ex Hook. 1833]. – Holotype.

*P. norvegica* L. var. *degenerata* Lehm., Nov. Stirp. Pug. 9:75. 1851.

*P. norvegica* γ *degenerata* [Lehm.] 612 *Pot. ruthenica* [?] (one fertile stem; PR 378093) [*P. norvegica* f. *pinguis* Petunn.]. – Holotype.

*P. nuda* Boiss., Diagn. Pl. Orient., ser. 1, 6:49. 1845.

1) Th. Kotschy. Pl. Pers. austr. Ed. R. F. Hohenacker. 1845. / 704. *Potentilla* (*Potentillast- / rum*) *nuda* Boiss. n. sp. Prope nives alpis Kuh-Daena. D. 20. Jul. 1842 [printed] the same label rewritten by Lehmann [Lehm.] 704 *Potentilla nuda* Boiss. [Boissier] (three fertile plants; PR 378104) [!];

2) Kotschy Pl. Pers. austr. 704. / *Pot. nuda* Boiss. / Misit Boissier [Lehm.] Herbarium Lehmannianum [printed] (one fertile plant, fragments; PR 378105) [!]. – Syntypes.

*P. × nudicaulis* Willd. ex Schlechtendal, Ges. Naturf. Freunde Berlin Mag. 7:287. 1816.

*P. nudicaulis* [Lehm.; a blue paper label] (one fertile plant; holotype; PR 378154) [*P. × nudicaulis* Willd. ex Schlechtendal = *P. pensylvanica* L. x *P. sanguisorba* Willd. ex Schlechtendal]. – Holotype.

*P. nuttallii* Lehm. var. *glabrata* Lehm., Revis. *Potentill.* 89. 1856.

*P. rigida* Nutt. / var. *glabra* / Adest in Herb. Hook. / Oregon Burche (two upper parts of fertile stems, a basal leaf; PR 378069) [*P. glaucophylla* Lehm.]. – Holotype.

*P. odorata* Mart. ex Lehm., Nov. Stirp. Pug. 9:46. 1851 pro syn.

*Potentilla odorata* Martius / (*P. umbrosa* Stev.) / Herb. Martii [Lehm.] (a leaf, an inflorescence branch; PR 378090) [*P. umbrosa* Stev. ex M. Bieb.]. – Authentic material.

*P. olopetala* Turcz., Bull. Soc. Imp. Naturalistes Moscou 16:612. 1843.

1) *Potentilla olopetala* Turcz. / Ad fl Buguldeicha 1834 [Turczaninow] Turczan 1840 [Lehm.] *Potent. olopetala* Turcz. / In prato sylvat. montano / non procul a Buguldeicha Turcz [Turczaninow] misit Fischer Petropol. 1849 [Lehm.] (four fertile stems, two basal leaves; PR 378031a) [!].

2) *Pot. olopetala* Turczan. / ab ipso [Lehm.] (four parts of inflorescences; four basal leaves; PR 378031b) [!]. – Syntypes. *P. olopetala* is very close to *P. chrysantha* but the leaflets of the former are very densely hairy beneath with straight hairs; very probably it represents a marginal form of *P. argentea* L. × *P. chrysantha* Trevir.

*P. ornithopoda* Tausch, Hort. Canal. [non pag.] tab. 10. 1823.

1) *P. ornithopoda* / Tausch / misit Tausch / ded. Klath [Lehm.] (one upper part of fertile stem, three leaves; PR 378143) [!];

2) *Potentilla ornithopoda* Tsch. / Culta. [Tausch] Ex herb. Tausch / misit Kosteletzky / 1850 [Lehm.] (one upper part and one middle part of fertile stem, a basal leaf; PR 378015 [!]. – Lectotype, selected here.

*P. ovalis* Lehm., Del. Sem. Hort. Hamburg. 1849:9, 1849.

Plantae Novo-Mexicanae. / No. 199. / A. Fendler coll. 1847 [printed] Habitat in terris Mexicanis [printed] (one fertile plant; a printed original description of *P. ovalis* from Del. Sem. Hort. Hamburg. is attached; PR 378065) [*Fragaria* sp.]. – Holotype.

*P. parvifolia* Fisch. ex Lehm., Nov. Stirp. Pug. 3:6. 1831.

1) *Potentilla parvifolia* F. / E reliquiis Schanginianis, / videtur e Songaria [Fischer] (one fertile branch; PR 378175) [!; leaves heptamerous, leaflets 2–4 mm long]; lectotype, selected here;

2) *Potentilla parvifolia* Culta [Fischer] Fischer 1830 [Lehm.] (one sterile branch; PR 378010) [!; leaves heptamerous, leaflets 3–5 mm long].

*P. pectinata* Fisch. ex Lehm. Revis. *Potentill.* 58. 1856 pro syn. [*P. pensylvanica* var. *pectinata* (Fisch. ex) Krylov, Fl. Alt. 2:380. 1903].

*Potentilla pectinata* F. / pr. Irkutsk [Fischer] Fischer 1830 [Lehm.] (one fertile stem; PR 378196) [*P. pensylvanica* L.]. – Authentic specimen.

*P. peduncularis* D. Don, Prodr. Fl. Nepal. 230. 1825.

*P. peduncularis* / ded Don Lond / 1830 [Lehm.] (one fertile plant, four leaf fragments; PR 377916) [!]. – Syntype.

*P. pensylvanica* L. var. *arachnoidea* (Douglas in sched. pro sp. ex) Lehm., Revis. *Potentill.* 59. 1856.

*Pot. arachnoidea* Dougl. / Ad. *Potent. Pensylvanicam.* / Herb. Hook. [Lehm.] *Pot. Pensylvanica* variet *arachnoidea* [Lehm.] (one fertile stem; PR 378198) [*P. pensylvanica* L.]. – Holotype.

*P. pensylvanica* L. var. *conferta* A. Gray, Mem. Amer. Acad. Arts 2/4:42. 1849.

No. 202 Pl. Fendl. / *P. Pensylvanica* / var. *conferta* Pl. Fendl. p. 42 [A. Gray] Planta Novo-Mexicana / No. 202 / A Fendler coll. 1847 / *Pot. Pensylvanica* var. *conferta* / A. Gray pag. 42 / Herb. Hook. [Lehm.] (one fertile stem; PR 378197) [*P. pensylvanica* L.]. – Syntype.

*P. pentandra* Engelm. ex Torr. et A. Gray, Fl. N. Amer. 1:447. 1840.

*Potent. pentandra* Engelm. / Fort Gibson Engelm. / Herb. Braun [Lehm.] (three inflorescence fragments, three cauline leaves; PR 378206) [!]. – Syntype.

*P. petiolulata* Gaudin, Fl. Helv. 3:374. 1828.

*Potentilla petiolulata.* (misit Gaudin 1831) [Lehm.] (one fertile plant; a letter by Gaudin to De Candolle from 1831 attached to the sheet; PR 377969) [*P. caulescens* subsp. *petiolulata* (Gaudin) Nyman]. – Type status unknown.

*P. petraea* Willd. ex Schlechtendal, Ges. Naturf. Freunde Berlin Mag. 7:292. 1816.

*P. petraea* / HBn / Hab in Gilan [Lehm.] *Potentilla petraea* Monogr. *Potent.* pag. 119. Tab. 11 [Lehmann's assistant] (one fertile specimen; PR 378100) [!; the species is identical with *P. cryptophylla* Bornm.]. – Syntype.

*P. petrophila* Boiss., Voy. Bot. Espagne 2:728. 1845 – see also *P. caulescens* L. var. *villosa* Boiss.

*Potentilla petrophila* Boiss. Voy. Esp. / tom. 2. Supplem. / Sierra Nevada [Boiss.] Herb. E. Boissier. / in fissuris rupium calc. Regn. Granat. / Aug. 1837 Alt. 6000'–7000'. [printed] misit Boissier 1849 [Lehm.] (two fertile plants, a leaf; PR 377970) [*P. caulescens* subsp. *petrophila* (Boiss.) Nyman]. – Syntype.

*P. pigmaea* Jord., Obs. Pl. Nouv. 7:fragm. 25. 1849.

*Potentilla pigmaea* Jord! Obs. fr. 7 / Corse M. Coscione jul. 1840 / in rupestribus graniticis / Jordan [Jordan] misit Jordan m. Febr. 1850 [Lehm.] (three fertile plants; PR 378021) [*P. rupestris* L.] – Authentic material.

*P. pilosa* Willd., Sp. Pl. 2:1100. 1799 (non Vill. 1788).

*P. pilosa* / HBrn / misit Willdenow / ex herb. Colsmann [Lehm.; a blue paper label] (one fertile plant, one fertile stem; PR 378083) [*P. recta* L.]. – Holotype.

*P. plattensis* Nutt. ex Torr. et A. Gray, Fl. N. Amer. 1:439. 1840.

*Pot. plattensis* Nutt. / ab ipso! / Upper Plate. [Lehm.] (one fertile plant, two leaves; PR 378072) [!]. – Syntype.

*P. poetarum* Boiss., Diagn. Pl. Orient., ser. 1, 3:3. 1843.

1) *Potentilla poetarum* Boiss. et Spruner / Parnassus alt. 6000' Spruner [Boissier] misit Boissier / 1849 [Lehm.] (one fertile specimen; PR 377996) [*P. speciosa* Willd. subsp. *speciosa*];

2) *Potentilla poetarum* Boiss. / var. *microphylla* / Mons Chelmos Achaiae alt. 6000'–7000'. Heldr. [Boissier] misit Boissier 1849 [Lehm.] (three fertile plants; PR 377997) [*P. speciosa* Willd. subsp. *speciosa*]. – Syntypes.

*P. polyphylla* Wall. [Numer. List no. 1026, 1829 nom. nud.] ex Lehm. Nov. Stirp. Pug. 3:13. 1831.

*P. polyphylla* Wall. / in herb. 1824. / No. 1026 / e Gossain Than. / Mis. Wallich 1830 [Lehmann's assistant] (two fertile stems, inflorescence fragments, one leaf; PR 377917) [!]. – Lectotype designated here.

*P. polyphylla* Wall. ex Lehm. var. *barbata* Wall. [Numer. List no. 1030, 1829 nom. nud. pro sp.] ex Lehm., Revis. *Potentill.* 54. 1856.

1) a) 1030 /Wall./ *Potentilla barbata* Wall. / Pandua m. Beng. orientalis / Fructus edules. / Mis. Wallich 1830 [Lehmann's assistant] (two fertile stems; PR 378024) [*P. polyphylla* Wall. ex Lehm.]; b) *Potentilla barbata* Wallich (ab ipso) [Lehm.] (one fertile plant; PR 378024) [*P. polyphylla* Wall. ex Lehm.];

2) *Potentilla barbata* Wall. / Punduah / (Fructus edulis) / Mis. Wallich 1832 [Lehm.] (two fertile stems; PR 378023) [*P. polyphylla* Wall. ex Lehm.];

3) *Potent. barbata* Wallich / ab ipso, *Pot. sordida* Kl? [Lehm.] (one fertile stem; PR 378025) [*P. polyphylla* Wall. ex Lehm.]. – Syntypes.

*P. polyschista* Boiss. et Hohen. in Boiss., Diagn. Pl. Orient., ser. 1, 10:6. 1849.

Th. Kotschy. Pl. Pers. bor. Ed. R.F. Hohenacker / 1846 / No. 489 *Potentilla polyschista* Boiss. et Hohenack. / In alpinis Hasartschal in partibus / occidentalibus m. Elbrus. / Jul. 1843 Herb. Hohenacker [Lehm.] Herb. Lehmannianum [printed] *Pot. polyschista* Boiss. / *Pot. multifida* variet? / Kotschy Pl. Pers. bor. 489 / Herb. Boiss. [Lehm.] (four fertile plants; PR 378161) [!]. – Syntype.

*P. pontica* K. Koch, Linnaea 19:44. 1847.

*Potentilla pontica* C. Koch / Kaukasus / Karl Koch [K. Koch] (one fertile stem; PR 378164) [*P. thuringiaca* Bernh. ex Link]. – Syntype.

*P. poterifolia* Boiss., Diagn. Pl. Orient., ser. 1, 6:50. 1845.

Th. Kotschy. Pl. Pers. austr. Ed. R. F. Hohenacker. 1845. / 492. *Potentilla poterifolia* / Boiss. n. sp. / In alpe Kuh-Delu. D. 12. Jun. 1842 [printed] (three fertile plants; PR 378037) [!]. – Syntype.

*P. pulcherrima* Lehm., Nov. Stirp. Pug. 2:10. 1830.

1) *Potentilla pulcherrima* Lehm. / nov. sp. / (*P. incana* Dougl. Mss.) / N. W. America / 1829 Von Hooker z. Bestimmung eingesandt [Lehmann's assistant] (one stem, two leaves; PR 378114) [two pairs of 2 mm remote leaflets; in my opinion, a hybrid between *P. filipes* Rydb. and *P. hippiana* Lehm.]; lectotype, designated here;

2) *Potentilla pulcherrima* Lehm. / varietas / N. W. America / Mis. Hooker 1829 [Lehmann's assistant] (one fertile stem, one leaf rosette; PR 378113) [three pairs of 1–3 mm remote leaflets, and therefore taxonomically identical with the previous specimen];

3) *Potentilla pulcherrima* / H. bot. Hbg. 50 [?] (three stems, leaves; PR 378112) [*P. filipes* Rydb. × *P. hippiana* Lehm.];

4) *Potent. pulcherrima* Lehm. Ex horto nostro 1849 [Lehm.] (one fertile stem; PR 378129) [*P. effusa* Dougl. ex Lehm.].

*P. pulvinaris* Fenzl, Pug. Pl. Nov. Syr. 1:6. 1842.

No. 179 *Potentilla pulvinaris* Fenzl / In monte Tauro / Aestate 1836 / legit. Th. Kotschy [Lehm.] Herbarium Lehmannianum [printed] (two fertile plants) [!].

*P. pygmaea* Jord. – see *P. pigmaea**P. radiata* Lehm., Del. Sem. Hort. Hamburg. 1849:9, 1849.

*Pot. radiata* Lehm. Persia boreal. [Lehm.] (one fertile plant; PR 377954). – Holotype. A specimen difficult to identify, in spite of the fact it is a complete, well prepared individual. Most probably, it represents an untypical *P. inclinata* Vill. differing from the typical forms by flexuose stems, leaflets with 2(–3) pairs of teeth and slightly smaller flowers. *P. radiata* has been compared with *P. svanetica* Siegf. et R. Keller s.l. and *P. argentea* L. × *P. thuringiaca* Bernh.; the taxonomic identity of *P. radiata* with these taxa is improbable. *P. radiata* has been classified as a member of the group of *Collinae* but, with respect to the congested terminal inflorescence on ca 20 cm tall stems, this classification does not seem to be correct.

*P. radicata* Boiss., Diagn. Pl. Orient., ser. 1, 6:49. 1845.

1) Th. Kotschy. Pl. Pers. austr. Ed. R. F. Hohenacker. 1845 / In cacumine m. Kuh-Daena. D. 29. Jul. m. 1842 [printed] 763. *Potentilla radicata* Boiss. et Hohen. [Boiss.] (five fertile plants; PR 378101) [!];

2) the same label rewritten by Lehmann (one fertile plant; PR 378103 [!]. – Syntypes. – *P. radicata* is usually regarded as a variety of *P. nuda*. However, it undoubtedly represents a distinct species (confirmed by the present author during his field investigations).

*P. reptans* L. var. *glabra* W. D. J. Koch, Syn. Fl. Germ. Helv., ed. 2, 239. 1843.

a) *Pot. reptans* β *glabra* Syn. / misit Koch / Prof Erlang / 1849 [Lehm.] (one fertile stolon; PR 378045) [*P. reptans* L.];

b) *Potentilla reptans* β *glabra* / Syn [Koch] ded. Koch Erlang / 1849 [Lehm.] (one fertile stolon; PR 378045) [*P. reptans* L.]. – Authentic specimens.

*P. richardii* Lehm., Del. Sem. Hort. Hamburg. 1849:6, 1849.

a) *Potent. Richardii* Lehm. [Lehm.; a Lehmann's manuscript of the detailed description of the plant is attached to the sheet].

*Pot. ancistrifolia* nobis / in Herb. Caesar. Vindob. [Lehm.] No. 3078 / Peak of Orizaba / 12800 [Galeotti] Cordillera / (Vera-Cruz) / Mexico / Coll. H. Galeotti / 1840 [printed] (one fertile plant; PR 378118) [!] – lectotype, designated here;

b) Herb. Hook. eadem / No. 661 / Mexique / Pic d'Orizaba 12500 ped. / Coll. de J. Linden / 1838 [?] (two leaves, two flowers; PR 378118) [!].

*P. rigida* Wall. [Numer. List. no. 1009. 1829 nom. nud.] ex Lehm., Nov. Stirp. Pug. 3:3. 1831.

1009 / *Potentilla rigida* Wall. / in herb. 1824 / e Kamoon / mis. Wall. 1830 [Lehmann's assistant] (two fertile branches; PR 378009) [!] – lectotype designated here;

2) *Pot. rigida* Wall. [Lehm.] 1009a [Wallich] (one fertile branch; PR 378008) [!].

*P. rigida* Nutt. J. Acad. Nat. Sci. Philadelphia 7:20. 1834 non Wall. ex Lehm. 1831 (= *P. nuttallii* Lehm., Nov. Stirp. Pug. 9:44. 1851).

*Potentilla rigida*. Nutt. [A. Gray] misit Asa Gray. [Lehm.] Clear Water, Oregon, Rev. Mr. Spalding. [printed] (two fertile stems; PR 378068) [!]. – Syntype.

*P. robbinsiana* Oakes ex Rydb., Bull. Torrey Bot. Cl. 23:304. 1896.

Herb. Oakes. / *Potentilla minima*, Haller. / (*P. Robinsii*, Oakes) / Alpine region, White Mountains, New Hampshire. [printed] Botanischer Garten zu Hamburg [printed] (one fertile plant; PR 378099) [*P. robbinsiana* Oakes ex Rydb.]. – Authentic material.

*P. rubra* Willd. ex Schlechtendal, Ges. Naturf. Freunde Berlin Mag. 7:292. 1816.

*P. rubra* HBrn / *P. comaroides* Humb / Nestl. [Lehm.; a blue paper label] (one fertile plant; PR 378117) [!]. – Syntype.

*P. rubricaulis* Lehm., Nov. Stirp. Pug. 2:11. 1830.

*Potentilla rubricaulis* Lehm. / n sp / N. W. America / 1829 Von Hooker z. Bestimmung gesandt [Lehmann's assistant] (two fertile specimens; PR 378170) [!]. – Lectotype, designated here.

*P. ruthenica* Willd., Sp. Pl. 2:1097. 1799.

*P. ruthenica* / HBrn [Lehm.; a blue paper label] *Potentilla ruthenica* / Mon. *Potent.* pag. 44 [Lehmann's assistant] (two fertile stems, two leaves, four flowers; PR 378038) [*P. norvegica* L. f. *pinguis* Petunn.]. – Syntype.

*P. salisburgensis* Haenke in Jacq., Collectanea 2:68. 1789.

*Potentilla Salisbur- / gensis* nov. spec. [Haenke] (one fertile specimen; PR 377930) [*P. crantzii* (Crantz) Beck ex Fritsch]. – Holotype.

*P. sanguisorba* Willd. ex Schlechtendal, Ges. Naturf. Freunde Berlin Mag. 7:286. 1816.

*P. Sanguisorba* / HBrn [Lehm.; a blue paper label] *Potentilla Sanguisorba* / Mon. *Potent.* pag. 61 / Tab. 5 [Lehmann's assistant] (one fertile specimen; PR 378153) [!]. – Syntype.

*P. sarmentosa* Willd., Enum. Pl. 1:554. 1809.

*P. sarmentosa* / HBrn [Lehm.] (one fertile plant; PR 378240) [*P. canadensis* L.; stems with patent hairs, petioles and peduncles with ± appressed hairs]. – Syntype.

*P. saxifraga* Ardoino ex De Not., Ind. Sem. Horti Bot. Genuens. 1848:25, 1848.

*Potentilla Saxifraga* Ardoino! / De Notaris Ind. Sem. H. Bot. Gen. / 1848 / E rupibus monte Cima di Mera / 700 circiter metra supra maris / superficiem, inter Menton et Castillon / in Liguria / Ardoino [Moris] misit Moris 1850 [Lehm.] (one fertile plant; PR 378055) [!]. – Type status unknown.

*P. sericea* L. var. *glabrata* Lehm. in Hook., Fl. Bor. -Amer. 1:189. 1832.

*Potentilla sericea* β *glabrata* / Lehm. / N. W. America / 1929 Von Hooker z. Bestimmung eingesandt [Lehmann's assistant] (one fertile plant; PR 378067) [*P. arizonica* Greene = *P. ovina* J. M. Macoun]. – Holotype.

*P. sibirica* Patr. ex Lehm., Nov. Stirp. Pug. 9:54. 1851 pro syn.

*P. sibirica* Patr. 1830 [Lehm.] (one fertile plant) [*P. humifusa* Willd. ex Schlechtendal]. – Authentic specimen.

*P. simersiana* Lehm., Sem. Hort. Bot. Hamburg. 1820:8, 1820. (n.v.).

1) *Potentilla Simersiana* Lehm. / *P. splendens* Wall. / Gossain Than / Mis. Wallich 1830 [Lehmann's Assistant] (one fertile stem PR 378028) [*P. lineata* Trev.];

2) *P. Siemersiana* Lehm. [Lehm.] 1017 B [Wallich] (two fertile stems; PR 378135) [*P. lineata* Trev.];

3) *Pot. Siemersiana* [Lehm.] 1017 C [Wallich] (one fertile stem, leaves fragments; PR 378026) [*P. lineata* Trev.] – lectotype, designated here.

*P. sischanensis* Bunge ex Lehm., Nov. Stirp. Pug. 9:3. 1851.

*Potentilla sischanensis* m. / *P. songorica* β *chinensis* m. Enum. bor. chin. / leg. in montos. Ssi-jui-ssy 1831 / Hb. Bungeanum [Bunge] misit Bunge [Lehm.] *P. sischanensis* [Lehm.] (one fertile specimen; PR 378159) [!]. – Holotype.

*P. sommerfeltii* Lehm., Del. Sem. Hort. Hamburg. 1849:6, 1849.

*Potentilla Sommerfeltii* Lehm. [Lehm.] (six affixed leaves, a flower, a petal; PR 378152) [*P. pulchella* R. Br.]. – Holotype.

*P. sordida* Fr. ex Aspegren, Försök Blekinsk. Fl. 38. 1823 – see also *P. argentea* var. *sordida*

1) Fries Herbar. normale / fasc. 7. n. 49 [Fries] *Pot. sordida* Fr. Nov. pag. 164 sub *P. argent.* / Öland. Borghalm etc. leg. G. M. Sjöstrand [Lehm.] Fas. 7. n. 49 *Potentilla sordida* Fries / Nov. p. 164 sub *P. argentea*. / Öland [Fries] (two fertile plants, one fertile stem; PR 378088) [*P. lindackeri* Tausch];

2) *Potentilla sordida* Fries / Öland [Fries] misit Fries [Lehm.] (two fertile stems; PR 378094) [*P. lindackeri* Tausch]. – Syntypes.

*P. splendens* Wall. ex D. Don, Prodr. Fl. Nepal. 230. 1825 (non Ramond ex DC., 1815).

1) 1017 / *Potentilla splendens* Wall. / e Gossain Than / Mis. Wallich 1830 [Lehmann's assistant] (one fertile specimen; PR 378136) [*P. lineata* Trev.];

2) nomine *Pot. splend.* Wallich misit [Lehm.] (one fertile stem, two leaves; PR 378027) [*P. lineata* Trev.]. – Syntypes.

*P. sprengeliana* Lehm., Monogr. *Potentill.* 49. 1820.

*Pot. Sprengeliana* / Monogr. *Potent.* pag. 49. / Tab. 3 [Lehmann's assistant] *Potentilla* e Sibiria / Eschscholtz in Herb. Colmann. [Lehm.] (one fertile plant; PR 378218) [!]. – Holotype. – The plant has the basal leaf rosette and stem, however, plant base is missing and thus stolons are not present. The type plant is identical with what has been called *P. stolonifera* Lehm. The name *P. sprengeliana* should substitute the name *P. stolonifera*, as correctly supposed by Juzepczuk Fl. SSSR 10:216–217. 1941.

*P. stolonifera* Lehm., Del. Sem. Hort. Hamburg. 1831:5, 1831.

1) *P. stolonifera* / Ex horto nostro [Lehm.] (one fertile plant, two fertile stems, one sterile stolon; PR 377998) [*P. sprengeliana* Lehm.] – lectotype, designated here;

2) *P. stolonifera* / 1840 [Lehm.] colui Buek. [Buek.] (one fertile plant; PR 378178) [*P. sprengeliana* Lehm.].



*P. subpalmata* Ledeb., Fl. Ross. 2:56. 1843.

*P. subpalmata* / m. Ararat [Ledebour] misit Ledebour / 1835 / sub nom *subpalmata* ex Herb. Ledeb. / 1849 [Lehm.] *P. subpalmata* Ledeb. Herb. Ledebour [Lehm.] Herbarium Lehmannianum [printed] (one fertile plant, two leaves; PR 378169) [!]. – Syntype.

*P. subpedata* K. Koch, Linnaea 16:349. 1842.

*Potentilla subpedata* C. Koch. / Mingrelien / Karl Koch [K. Koch] (one sterile individual; PR 378213) [*P. crantzii* (Crantz) Beck ex Fritsch]. Probably a plant preserved on the sheet by confusion. Both Koch and Lehmann classified *P. subpedata* to *P. reptans*, and because both of them studied the flowers, incorrect identification can be excluded.

*P. supina* L. var. *elatior* Lehm., Revis. *Potentill.* 193. 1856.

*Potentilla amatymbica* Lehm. / Ind. Sem. 1834 pag. 6. / Drège 1839 [Lehm.] *Potentilla Garipiensis* E. M.[E. Meyer] (two fertile stems) [*P. supina* L. subsp. *garipiensis* (E. Meyer) Soják].

*P. taurica* Willd. ex Schlechtendal, Ges. Naturf. Freunde Berlin Mag. 7:291. 1916.

*P. Taurica* HBrn / Hab. in aridis Tauriae et ad Sareptam [Lehm.] *Potentilla taurica* / Mon. *Potent.* pag. 90. / Tab. 9 [Lehmann's assistant] (one fertile stem, a leaf; PR 378217) [*P. astracanica* Jacq.; this type specimen does not correspond to *P. taurica* as understood by Juzepczuk and his successors]. – Syntype.

*P. tellusonii* hort. ex Lehm., Ind. Sem. Hort. Basil. 1848 (n.v.).

Var. 114 / *Potentilla Tellusonii* / H. bot. Hbg. 50 [?] (four stems on three sheets; PR 378049, 378050, 378051) [an unclear hybrid]. – Authentic material.

*P. tenella* Turcz., Bull. Soc. Imp. Naturalistes Moscou 16:620. 1843.

1) *Potentilla tenella* Turcz. / Ad fl. Oka 1834 [Turczaninow] com. cl. Turczaninoff [Lehm.] (one fertile plant; PR 378147) [*P. multifida* L.];

2) *Potentilla tenella* Turcz. / Schebutui, in sylvaticis subalpinis / Turcz. [Turczaninow] misit Fischer / Petropol. / 1849 [Lehm.] (one fertile plant; PR 378149) [*P. multifida* L.];

3) *Potentilla tenella* Turcz. / Ad fl. Irkut 1834 [Turczaninow] an var. *P. multifidae?* / Turczan. 1840 [Lehm.] (one fertile plant; PR 378146) [*P. multifida* L.]. – Syntypes.

*P. × tenuifolia* Willd. ex Schlechtendal, Ges. Naturf. Freunde Berlin Mag. 7:285. 1816.

*P. tenuifolia* HBrn [Lehm.; a blue paper label]. *Pot. fruticosa* / *tenuifolia* [Lehm.] (two fertile and one sterile branches; PR 378002) [leaflets 5–10 mm long, leaves quinate (some heptamerous); in my opinion, it is *P. fruticosa* L. × *P. parvifolia* Fisch. ex Lehm.]. – Holotype.

*P. ternata* K. Koch, Linnaea 19:45. 1847.

*Potentilla ternata* C. Koch / Olymp / Karl Koch [K. Koch] (one fertile individual) [!]. – Type status unknown.

*P. thurberi* A. Gray, Mem. Amer. Acad. Arts 2/5:318. 1854.

*Potentilla Thurberi* n. sp. / A. Gray. adhuc ined. / In Nova Mexico legit Thurber / Aug. 1851 [A. Gray] misit A. Gray / 1855 [Lehm.] (one fertile stem; PR 378111) [!]. – Syntype.

*P. tomentosa* Ten., Fl. Napol. 4:293. 1830.

*Potentilla tomentosa* Ten. / Fl. nap. tom. IV. pag. 284 / Ab affinis *P. inclinata* / et *P. canescenti* / certe diversa. / In monte Pollino / (in finitimis Lucaniae). / Tenore [Tenore] (one fertile stem; PR 378054) [*P. argentea* L. × *P. inclinata* Vill. or *P. argentea* L. × *P. detommasii* Ten.]. – Syntype.

*P. umbrosa* Stev. ex M. Bieb., Fl. Taur. -Caucas. 3:357. 1819.

*P. umbrosa* Steven ab ipso [Lehm.] (one leaf; PR 378091) [!]. – Syntype.

*P. uniflora* Ledeb., Mém. Acad. Imp. Sci. St. Pétersbourg Hist. Acad., ser. 5, 5:543. 1815.

- 1) *Potentilla uniflora* mihi [Ledebour] *P. nivea uniflora*. [Lehm.] *Potentilla uniflora* Monogr. *Potent.* pag 183 Tab. 18 [Lehmann's assistant] (one fertile plant, a flower, leaves; PR 378174) [!] – syntype;
- 2) *Potentilla uniflora* mihi / e Davuria [Ledebour] *Pot. nivea* variet *denudata* [Lehm.] (fragments of one fertile specimen; PR 378142) [*P. evestita* Th. Wolf; this specimen was classified to *P. uniflora* by Ledebour additionally, it is not quoted in the protologue].

*P. vahliana* Lehm., Monogr. *Potentill.* 172. 1820.

- 1) a) *Potentilla Vahliana* Lehm. [Lehm.] e Groenlandia / Vahl. fil. [Vahl] (one fertile specimen; PR 378220; [!] – the lectotype selected here; b) *Potentilla Vahliana* Lehm. / Jamesonianum Greville / in Grönlandia septentrionali / int. 69° 30'–71°. / Juli. Vahl [?] (four fertile plants; PR 378220) [!];
- 2) *Potentilla Vahliana* Monogr. *Potent.* pag. 172 [Lehmann's assistant] *Potentilla* E Groenlandia Holboe / Lehm.? / (one fertile plant; PR 378226) [!];
- 3) *Pot. Vahliana* Lehm. [Lehm.] in Grönlandia legit Vahl [Vahl] *Potentilla Vahliana* Lehm. / N. W. America / 1829 Von Hooker z. Bestimmung gesandt. [Lehmann's assistant] (5 fertile individuals; PR 378225) [this collection represents an atypical form approaching *P. uniflora* Ledeb.].

*P. velutina* Lehm., Monogr. *Potentill.* 170. 1820.

*P. velutina* [Lehm.] (one fertile plant; PR 378280) [!]. – Holotype.

*P. velutina* Wall., Numer. List no. 1016. 1829 nom. nud. et ex Lehm., Nov. Stirp. Pug. 9:43. 1851 pro syn.

1016 [Wallich] *Pot. velutina* Wall. [Lehm.] (one fertile plant; PR 377915) [*P. peduncularis* D. Don]. – Authentic specimen.

*P. verna* L. var. *crocea* W. D. J. Koch, Syn. Fl. Germ. Helv., ed. 2, 241. 1843.

*Potentilla verna* /  $\beta$  *crocea* K. Syn. / An *P. verna* / *hirsuta* Lehm. Mon. Kaiserslautern [Koch] ded. Koch Erlang. 1849 [Lehm.] (one fertile plant; PR 378078) [*P. cinerea* Gaertn., Mey. et Scherb.  $\times$  *P. filiformis* Vill.]. – Type status unknown.

*P. verna* L. var. *grandiflora* Lehm., Revis. *Potentill.* 118. 1856.

*Pot. verna* variet *grandiflora* / Fl. Erlangens. / misit Koch / Prof Erlang / 1849. [Lehm.] (one fertile plant, two flowers; PR 378077) [*P. tabernaemontani* Asch.]. – Holotype.

*P. verna* L. var. *incisa* Lehm., Revis. *Potentill.* 118. 1856.

*P. verna* variet *incisa* / Von Hügeln um Prag / misit Koch / Prof. Erlangens. / 1849 [Lehm.] *Potentilla verna*  $\beta$  *incisa* Tau. Von Hügeln um Prag. [printed] (two fertile plants; PR 378076) [*P. tabernaemontani* Asch.]. – Holotype.

*P. verna* L. var. *parviflora* Lehm., Revis. *Potentill.* 118. 1856.

*Pot. verna* var. *parviflora* / Fl. Erlang. / misit Koch / Prof. Erlang. / 1849 [Lehm.] (two fertile specimens; PR 378096) [*P. tabernaemontani* Asch.]. – Holotype.

*P. verticillaris* Stephan ex Willd., Sp. Pl. 2:1096. 1799.

*P. verticillaris* / HBrn. [Lehm.] (one fertile specimen; an extensive manuscript by Lehmann attached to the sheet; PR 378160) [!]. – Syntype.

*P. villosa* Pall. var. *aurea* Lehm., Nov. Stirp. Pug. 9:67. 1851.

*P. villosa* var.  $\beta$  *aurea* [Lehm.] *Potentilla grandiflora* aff. [Fischer] Eschscholtz in Herb. Colmann [Lehm.] (one fertile plant; PR 378227) [*P. fragiformis* Willd. ex Schlechtendal]. – Holotype.

*P. virgata* Lehm., Monogr. *Potentill.* 75. 1820.

*Potentilla virgata* Lehm. [Th. Wolf] (five inflorescence fragments, three leaves; PR 378162) [!]. A label written by Lehmann was originally attached to the sheet with the name of *P. virgata*. However, the label has been lost. – Holotype.

*P. wallichiana* Del. in Wall. [Numer. List no 1022. 1829 nom. nud.] ex Lehm., Nov. Stirp. Pug. 3:30. 1831.

1022 [Wallich] *Wallichiana* [Lehm.] (one fertile plant, one fertile stem; PR 377979) [*P. sundaica* (Blume) W. Theobald in F. Mason]. – Lectotype, designated here.

*P. wiemanniana* Günther et Schummel, Exs. Schles. Cent. 5. 1813 ('Wimmanniana').

*Potentilla Wiemanniana* nobis [Günther or Schummel] (two fertile plants, one leaf rosette; PR 378097) [*P. collina* Wibel]. – Type status unknown.

*P. wrangeliana* Fisch. et Avé-Lall., Ind. Sem. Hort. Petrop., Animadvers. Bot. 7:54. 1840 (n.v.).

*Potentilla Wrangeliana* / Fisch. / *Culta e seminibus / Californicis, prope Colon. / Ross. collectis* [Fischer] Fischer Petropol / 1849 [Lehm.] (two fertile specimens; PR 378019) [*P. glandulosa* subsp. *glandulosa*]. – Type status unknown.

*P. xylorrhiza* Boiss. et Hohen. in Boiss., Diagn. Pl. Orient., ser. 1, 10:5. 1849.

Kotschy pl. Pers. bor. / 537 *Potentilla xylorrhiza* Boiss. / et Hohen. / In rupestribus septentrionem versus spectantibus / in valle Loura m. Elbrus. 16. Jul. m. / 1843 [Boissier]; the same label rewritten by Lehmann (six fertile plants, fragments; PR 377914) [*P. lignosa* Willd. ex Schlechtendal]. – Syntype.

*Tormentilla divergens* Reichenb., Bot. Zeitung (Berlin) 1:263. 1843.

Reichenb. Fl. Germ. exsicc. / 2248 *Tormentilla divergens* Reich / Krain Tomischel bei Krin nächst / Laibach. / Andr. Fleischmann / Kunze ex Herb. Fl. Germ. exsicc. [Lehm.] Herbarium Lehmannianum [printed] (two fertile stems; PR 378043) [*P. erecta* (L.) Rausch.]. – Syntype.

## Souhrn

Lehmannův herbář rodu *Potentilla* je uložen v Praze (PR) od roku 1865. Obsahuje typové položky 172 druhů, z nichž 52 popsal sám Lehmann a 120 jiní autoři, a 32 variet. V příspěvku jsou abecedně uvedeny všechny typy druhů rodu *Potentilla* uložené v Lehmannově herbáři; ke každému jsou připojeny základní údaje a taxonomická identifikace. Autorem provedená revize Lehmannových typů vedla k nutnosti některých nomenklatorických změn. Jméno *P. bipinnatifida* Dougl. ex Hook. 1833 by mělo být nahrazeno jménem

*P. normalis* Besser ex Spreng. 1827, *P. amurensis* Maxim. 1859 jménem *P. hyenii* Roth 1821 a *P. stolonifera* Lehm. 1831 jménem *P. sprengeliana* Lehm. 1820 (správné jméno druhu *P. sprengeliana* sensu Juz. 1941 je *P. sachalinensis* Juz. 1955), *P. virgata* Lehm. 1820 je starší jméno pro *P. dealbata* Bunge in Ledeb. 1830. Typové položky druhu *P. pulcherrima* Lehm. náleží kříženci; nehybridní druh takto pojmenovávaný by měl nést jméno *P. filicaulis* Rydb. Obdobně je hybridem lektotyp *P. diversifolia* Lehm.; správné jméno pro nehybridní druh takto pojmenovávaný je *P. glaucophylla* Lehm. Typová položka *P. multijuga* Lehm. patří k druhu *Horkelia cuneata* Lindl.

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