

NEW SPECIES AND COMBINATIONS IN THE GENUS RUBUS L.

By W. C. R. WATSON

(The following descriptions of new *Rubus* species, etc. are taken verbatim from the manuscript of a monograph on the genus in Britain by the late W. Watson, which is to be published by the Cambridge University Press. The Publishers have kindly consented to this separate publication, in order that the Watson nomenclature might be used in the forthcoming British Plant List, which should then agree, both in content and order, with the Monograph. The opportunity has also been taken to publish a number of combinations, and to cite fully the synonymy).

P. D. Sell  
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RUBUS CAESIUS L.

var. **grandis** W. Wats., var. nov.

Robustus. Differt foliolis magnis rugosis subtus dense pubescentibus, petalis sepalisque latis ovatis. Anglia.

*Holotype*: Turpington Lane, Bickley, W. Kent, 4/8/1952, W. Watson, in Herb. W. Watson.

var. **denticulatus** W. Wats., var. nov.

Gracilis. Differt foliolis regulariter denticulatis. Surreia.

*Holotype*: Gravel Road, Addington, Surrey, W. Watson, in Herb. W. Watson.

var. **pinnensis** W. Wats., var. nov.

Robustus. Differt foliolis argute profunde serratis, sublobatis, subcordatis, acuminatis. Middlesexia.

*Holotype*: Near the Pinn Brook, near Swakeleys, Uxbridge, Middlesex, W. Watson, in Herb. W. Watson.

RUBUS BERTRAMII G. Braun ex Focke

var. **minor** (Boul.) W. Wats., comb. nov.

*R. biformis* var. *minor* Boul., 1900, in Rouy, *Fl. France*, 6, 40.

**Rubus arrheniiformis** W. Wats., sp. nov.

*Radix* repens propagulifera. *Turio* primo erectus demum arcuatus, parum ramosus, angulatus rufus nitidus subglaber; aculei tenues recti vel falcatis flavescens. *Folia* parvula 5-foliolata; petiolus leviter sulcatus, aculeis parvis armatus; foliola remota, supra glabrescentia, subtus pubescentia, subaequaliter serrata, terminale ovatum lanceolatum deorsum contractum. *Panicula* ± longa subracemosa, ramuli ejus numero ad 20 longi tenues, singuli 1-12 aculeis falcatis armati. *Flores* c. 1.75 cm. lati. *Sepala* acuminata pubescentia virescentia, margine alba, post anthesin ascendunt. *Petala* obovata apice modo *Rubi arrhenii* lata rotundata, roseola, numero saepe ad 12. *Stamina* alba stylos virescentes fere vel quidem aequantia. *Germina* semper fere glabra. Folio, panicula, flore *R. arrhenii* referens.

*Holotype*: Buxted Park, near Uckfield, E. Sussex, 24/7/1936, W. Watson, in Herb. W. Watson.

**Rubus ooliticus** W. Wats., sp. nov.

*R. corylifolius* var. *calcareus* Rogers ex Riddelsd., 1920, *J. Bot.*, **58**, 104.

**Rubus eboracensis** W. Wats., sp. nov.

Eglandulosus, tomentosus. *Turio* acutangulus glaber; aculei recti breves. *Foliola* profunde obtuse ± duplicato-serrata, subtus albo-tomentosa pubescenti-velutina; foliolum terminale subcordatum ovato-rhomboideum, breviter acuminatum; foliola infima majuscula sessilia imbricata. *Paniculae* floriferae pyramidales; ramuli plerumque fasciculati; folia inferiora saepe 4-5-foliolata, foliolo terminale anguste rhomboideo. *Petala* lata ovata roseola. *Stamina* alba stylos virescentes aequantia. *Carpella* pilosa.

*Holotype*: Sowerby, Yorks., 27/7/1937, W. Watson, in Herb. W. Watson.

**Rubus halsteadensis** W. Wats., sp. nov.

*R. dumetorum* var. *raduliformis* A. Ley, 1904, *J. Bot.*, **42**, 120; non *R. raduliformis* Sudre, 1910, *Bull. Soc. Bot. Belg.*, **47**, 206.

**Rubus ludensis** W. Wats., sp. nov.

*R. sciaphilus* sensu W. Wats., 1929, *Rep. Bot. Soc. & E. C.*, **8**, 782; non Lange, 1886-88, *Dan. Fl.*, 781, no. 1288.

Robustus. *Turio* angulatus, fusco-viridis, pilosus, glaucescens, glandulis sparsis; aculei reclinati, falcati, basi lati, atque pauci, parvi, apice glanduliformes. *Folia* magna, 5-foliolata, subdigitata; foliola subtus pilosa griseo-viridia, inaequaliter crenato-serrata dentibus parum profundis; foliolum terminale cordato-ovatum sensim acuminatum. *Panicula* magna, pyramidalis, basi foliosa, superne cum bracteis lanceolatis; ramulorum mediorum pedunculi longi obliqui 3-7-flori; superiores 1-3-flori; rhachis pilosa, glandulosa, turioni similiter armata. *Flores* 2.5-3 cm. lati. *Sepala* viridia, glandulosa, aculeolata, ovato-lanceolata, appendiculata, mox erecta. *Petala* sepalaque 5-7. *Filamenta* alba; antherae glabrae. *Carpella* glabra; styli flavescens. *Fructus* ovoideo-oblongatus, satis magnus.

*Holotype*: Whitcliffe, Ludlow, Shropshire, 8/7/1953, W. Watson, in Herb. W. Watson.

**Rubus crespignyanus** W. Wats., sp. nov.

*R. similatus* sensu W. Wats., 1938, *Rep. Bot. Soc. & E.C.*, **11**, 444; non P. J. Muell., 1859, *Pollichia*, 114.

*Turio* procerus obtusus parce pilosus, aculeis parviusculis rectis falcatisve munitus. *Foliola* serrata-dentata, utrinque glabrescentia, tandem convexa rugosa; terminale subrotundum ovatum vel ellipticum acuminatum. *Ramus* longus pilosus, aculeis parvis curvatis defensus. *Paniculae* ramuli medii saepe profunde partiti. *Calyx* basi discoideus; sepala aliquanto rubrantia, attenuata, tenuiter glandulosa, aculeata, post anthesin patula. *Petala* leviter rosea, elliptica, apice incisa. *Styli* rubri. Anglia.

*Holotype*: Addington Hills, Surrey, 6/8/1926, W. Watson, in Herb. W. Watson.

**Rubus cambrensis** W. Wats., sp. nov.

*R. nemoralis* var. *glabratus* sensu Rogers, 1900, *Handb. Brit. Rub.*, 31; non Bab., 1846; nec *R. glabratus* Kunth, 1823. *R. cambrensis* W. Wats., 1937, *J. Bot.*, **75**, 196, et 1946, *J. Ecol.*, **33**, 338 (nom. nud.).

*Turio gracilis* ; aculei breves, subulati, basi rubra. *Folia* 5-foliolata, digitata ; aculei retrorsi, falcati ; foliola superne glabrescentia, subtus pubescentia vel griseo-tomentosa, crenata vel leviter duplicato-serrata ; foliolium terminale emarginatum, rotundum, cuspidato-acuminatum. *Panicula* aequalis, longa, subracemosa, foliis 1-6 rotundo-ovatis serrulatis ; pedunculi longi, aculeis brevibus rectis armati ; rhachis pubescens tomentosaque. *Flores* c. 2 cm. lati. *Sepala* tomentosa, glanduloso-punctata, aciculata. *Petala* late obovata, unguiculata. *Stamina* stylis aequalia. *Carpella* glabra. *Receptaculum* pilosum.

*Holotype* : Athelstane's Wood, Herefordshire, July 1893, A. Ley & E. F. Linton, in Herb. Kew.

RUBUS MUENTERI MARSS.

var. **robii** W. Wats., var. nov.

A planta typica nihilo differt nisi parvitate omnium partium.

*Holotype* : Yearsley Moor, N.E. Yorks, 29/7/1937, W. Watson, in Herb. W. Watson.

**Rubus obesifolius** W. Wats., sp. nov.

*R. grabowskii* sensu Bab., 1847, *Ann. & Mag. Nat. Hist.*, **19**, 83 ; Bloxam in Kirby, 1850, *Fl. Leicester*, 46 ; non Wimmer & Grab., *Fl. Siles.*, **2**, 32.

*Turio* humilis, purpureus, angulatus, hirsutus ; aculei numerosi, longi, validi, ad angulos turionis saepe biseriatii, patentes. *Folia* parvula, pedata ; petiolus persulcatus, aculeis curvatis armati ; foliola 3-5, subtus griseo-tomentosa pilosaque ; foliolium terminale cordatum, reniforme, breviter lateque acutum, crenato-dentatum. *Panicula* longa, aequalis, superne densa, folio uno tomentoso ovato, hirsuta, glandulis sparsis, aculeis confertis curvatis validis ; ramuli medii et superni 3-flori. *Flores* c. 2.5 cm. lati. *Sepala* tomentosa, aculeolata, glandulosa, mox erecta. *Petala* ovata vel obovata. *Filamenta* alba, stylos subvirides parum superantia ; antherae pilosae. *Carpella* glabra. *Receptaculum* hirsutum, pilis inter carpella et sub eisdem prominentibus. *Fructus* perfectus, ovoideus.

*Holotype* : Between Belmont and Cheddleton, Staffs., 22/7/1950, W. Watson, in Herb. W. Watson.

**Rubus poliodes** W. Wats., sp. nov.

*Dumus* persistens vigorosus ramosus pubescens eglandulosus. *Turio* crassus, e basi sulcata arcuatus ramosus glaucescens, pube brevi divergente indutus ; aculei breves vel brevissimi, multo declinati. *Folia* magna 5-foliolata, supra strigosa, subtus pubescentia, saepe cinerea ; foliola lata, omnia conspicue petiolulata, tandem convexa, depresso vel argute serrato-crenata, dentibus principalibus patulis ; terminale subrotundum, subquadratum vel obovatum, breviter cuspidatum. *Panicula* inferne pubescens, superne tomentosa, lata laxa composita, ramulis mediis 3- ad 7-floris sat longis, foliorum simplicium ex axillis ortis ; aculei pauci tenues patentes vel declinati. *Flores* latitudine 2.5 ad 3 cm. *Sepala* cinerea tomentosa inermia, breviter acuminata, patula apicibus ascendentibus. *Petala* ovata vel obovata deorsum contracta, dilute roseola. *Stamina* alba longa. *Styli* virescentes ; germina pilosiuscula vel glabra. *Receptaculum* hirsutum. *Fructus* magnus ovoideus, atrosanguineus deinde niger. Facie *R. londinensem* referens. Anglia.

*Holotype* : Boars Hill, Berks., 6/7/1936, W. Watson, in Herb. W. Watson.

**Rubus rubritinctus** W. Wats., nom. nov.

*R. cryptadenes* Sudre, 1904, *Bull. Soc. Etudes Sci. Angers*, 31 ; non *R. cryptadenes* Dumort., 1863, *Bull. Soc. Roy. Bot. Belg.*, **2**, 230.

**Rubus septicola** (Sudre) W. Wats., sp. nov.

*R. alterniflorus* subsp. *septicolus* Sudre, 1909, *Rubi Europae*, 65.

**Rubus chloocladus** W. Wats., nom. nov.

*R. pubescens* Weihe ex Boenn., 1824, *Prod. Fl. Monast.*, 152 ; non Raf., 1811, *Med. Repos. N. York*, Ser. 3, 2, 333 ; nec Vest ex Tratt., 1828, *Ros.*, 3, 4.

**Rubus ahenifolius** W. Wats., sp. nov.

*R. dentatifolius* sensu W. Wats., 1931 (for 1930), *Lond. Nat.*, 73 ; non *R. borrieri* var. *dentatifolius* Briggs, 1880. *R. ahenifolius* W. Wats., 1946, *J. Ecol.*, 33, 341 (nom. nud.).

*Folia* surculorum immaturorum aenea. *Turio* obtusus, sulcatus, leviter pilosus ; aculei numerosi, flavi, basi robusti, breves vel leviter longi, declives vel falcati. *Folia* 5-foliolata, digitata ; aculei parvi adunci ; foliola longa, angusta, superne glabra, subtus glabrescentia, crasse serrata vel subtiliter subduplicato-dentato-serrata, breviter petiolulata ; foliolium terminale ellipticum, longe acutum. *Panicula* aequalis, angusta ; ramuli medii alte dividui turioni similiter armati. *Sepala* aciculata, patentia vel amplexa, apice lineari. *Petala* obovata spathulata vel oblanceolata, margine glabra, dilute rosea. *Filamenta* longa ; antherae pilosae. *Carpella* pilosa. *Fructus* parvus.

*Holotype* : Farley Heath, near Guildford, Surrey, July, 1930, W. Watson, in Herb. W. Watson.

## RUBUS DISCERPTUS P. J. Muell.

var. **microphyllus** (Blox.) W. Wats., comb. nov.

*R. rudis* var. *microphyllus* Blox. in Kirby, 1850, *Fl. Leicester*, 41.

**Rubus malacotrichus** (Sudre) W. Wats., sp. nov.

*R. apiculatus* microg. *malacotrichus* Sudre, 1906, *Diagn.*, 36.

**Rubus pseudadenanthus** W. Wats., sp. nov.

*R. adenanthus* sensu Rogers, 1900, *Handb. Brit. Rub.*, 53 ; non Boul & Gill., 1881, *Assoc. Rub. Ann.*, no. 429.

*Surculi immaturi* aenei. *Turio* sulcatus, pilosus,  $\pm$  fuscus, glaucescens ; aculei inaequales nonnulli longi subulati. *Foliola* 3-5,  $\pm$  convexa, superne glabrescentia, duplicato-serrata undulata dentibus nonnullis patentibus ; foliolium terminale breviter petiolulatum, rhombeo-ovato-ellipticum vel obovatum subcuneatum, basi integrum ; petioluli foliorum infimorum 1-3 mm. *Panicula* longe pyramidalis ; ramuli medii cymoso-partiti, pedicellis satis longis ; rhachis villosa, turioni similiter armata cum aciculis longis in parte inferiore. *Flores* mediocres. *Sepala* laxa reflexa vel patula. *Petala* anguste elliptica, dilute rosea vel alba. *Styli* interdum basi rubri. *Carpella* glabra. *Fructus* suboblongus.

*Holotype* : Roscarrock Hill, Port Isaac, E. Cornwall, 16/8/1952, W. Watson, in Herb. W. Watson.

**Rubus subtercanens** W. Wats., nom. nov.

*R. thyrsoiflorus* P. J. Muell., 1858, *Flora*, 41, 165 ; non *R. thyrsoiflorus* Weihe ap. Bluff & Fing., 1825, *Comp. Fl. Germ.*, 1, 684.

**Rubus trichodes** W. Wats., sp. nov.

Folia floresque parvula. *Turio* ruber pilosus, glandulis aciculis aliquantum brevibus aculeisque longis rectis inaequalibus munitus. *Folia* (3-4)-5-foliolata, pedata; foliola supra strigosa, subtus viridia ad venas molliter pilosa, inaequaliter crenata serrata, terminale suborbiculatum cordato-ovatum vel obovato-oblongum, breviter acuminatum. *Panicula* pilosa longa, leviter angustata, valde foliosa; ramuli patuli (1-)3-5-flori, pedicellis longis tomentosus aculeatis. *Flores* circiter 1.5 cm lati. *Sepala* viridia albo-marginata, florum imprimis terminalium foliaceo-appendiculata, ejusdem floris parte reflexa parte patula vel erecta. *Petala* 5-6 dilute rosea, obovata longe unguiculata apice emarginato vel retuso vel apiculato, margine glabra. *Filamenta* alba stylos pallidos vel rubentes parum superantia. *Carpella* barbata. *Fructus* haud magnus, subglobosus. Per Angliam meridionalem dispersus.

*Holotype*: Wareham Hill, Witley, Surrey, 9/7/1937, W. Watson, in Herb. W. Watson.

**Rubus putnei** W. Wats., sp. nov.

Robustus. *Turio* humilis obtusus pruinosis primo pilosus, glandulis rubris plerumque brevibus, aciculis, aculeisque declinatis confertis obsitus. *Folia* majuscula virentia; foliola glabrescentia, irregulariter crenato-serrata, terminale suborbiculatum vel obovatum cuneatum, cuspidatum. *Panicula* ad summum subracemosa inferius ramulis paniculatis, pubescentia tomentosa, glandulis aculeolisque brevissimis necnon aculeis tenuibus recurvis creberrime munita; folia simplicia cinerascens; foliola terminalia obovata cuneata. *Flores* magnitudine 2-3 cm. *Petala* angusta remota, dilute rosea, margine glabra. *Sepala* viridia angusta attenuata appendiculata, patula. *Filamenta* alba stylos saepe roseolos parum superantia. *Carpella* glabra. *Fructus* subovoideus. Anglia meridionalis.

*Holotype*: Putney Heath, Surrey, 12/7/1943, W. Watson, in Herb. W. Watson.

**Rubus sprengelii** (Sudre) W. Wats., sp. nov.

*R. erraticus* subsp. *sprengelii* Sudre, 1906, *Diagn.*, 41.

**Rubus obscuriformis** (Sudre) W. Wats., sp. nov.

*R. obscurus* microg. *obscuriformis* Sudre, 1907, *Fl. Toul.*, 75.

## RUBUS INSERICATUS P. J. Muell.

subsp. *newbouldianus* (Rilst.) W. Wats., subsp. nov.

*R. newbouldianus* Rilst., 1950, *J. Linn. Soc. Lond. Bot.*, **53**, 417.

**Rubus pseudoplinthostylus** W. Wats., sp. nov.

*R. plinthostylus* sensu Rogers, 1900, *Handb. Brit. Rub.*, 83; non Genev., 1868, *Mem. Soc. Acad. Maine-et-Loire*, **24**, 108.

*Turio* acute angulatus, glaber, glandulis aciculisque sparsis brevibus; aculei subulati basi brevi. *Folia* magna, pedata; aculei petiolo obliqui retrorso-falcati; stipulae filiformes; foliola 3-5, supra glabra, subtus pubescentia vel tomentosa, inaequaliter serrata vel serrato-dentata, basi integra; foliolium terminale breviter petiolulatum, ellipticum longe acutum, basi subcuneatum. *Panicula* valde longa, laxe subpyramidalis; ramuli superiores patuli 1-3-flori, inferiores valde ascendentes; rhachis tomentosa pubescens, aculeis aciculisque numerosis brevibus, glandulisque paucis; pedicelli tomentosi glandulis tenuibus. *Flores* 1.5-2 cm. lati. *Sepala* laxa reflexa vel patula. *Petala* anguste obovata, rosea. *Filamenta* alba. *Carpella* pilosa; styli dilute rosei. *Receptaculum* pilosum. *Fructus* parvus.

*Holotype*: Foxholes Wood, Bailey Gate, Dorset, 17/9/1931, W. Watson, in Herb. W. Watson.

**Rubus breconensis** W. Wats., sp. nov.

*R. lejeunei* sensu Rogers, 1900, *Handb. Brit. Rub.*, 70 ; non Weihe & Nees, 1825.  
*R. breconensis* W. Wats., 1946, *Journ. Ecol.*, **33**, 341 (nom. nud.).

*Turio* fuscus, gracilis, sulcatus, pilosus, glandulis numerosis, aculeolis aciculisque numerosis brevibus ; aculei flavi inaequales parvi graciles. *Folia* 3-5-foliolata, pedata ; foliola longa, angusta, subtus breviter et molliter pilosa, tenuiter acute serrata ; foliolium terminale ellipticum acuminatum apice et basi angustum ; foliola intermedia basaliaque breviter petiolulata. *Panicula* inferne lata, ramulis basalibus mediisque patulis 3-6-floris pedunculis longis, sursum angusta, apice acute racemosa ; rhachis flexuosa, villosa, aculeis infirmis plerumque falcatis ; unum e foliis paniculae plerumque simplex, cetera 3-foliolata, foliolium terminale angustum longe cuneatum. *Flores* 1-1.5 cm. lati. *Sepala* angusto-ovato-attenuata, villosa, aculeata. *Petala* obovata basi attenuata, rosea. *Filamenta* longa, rosea. *Receptaculum* glabrum. *Fructus* parvus.

*Holotype* : Mill Lane, Brynau, Glamorgan, 11/8/1941, J. A. Webb, in Herb. W. Watson.

**Rubus lapeyrousianus** (Sudre) W. Wats., sp. nov.

*R. koehleri* subsp. *lapeyrousianus* Sudre, 1900, *Rub. Pyr.*, 79.

**Rubus graciliflorens** (Sudre) W. Wats., sp. nov.

*R. tereticaulis* microg. *graciliflorens* Sudre, 1901, *Rub. Pyr.*, 175. *R. schleicheri* microg. *graciliflorens* Sudre, 1913, *Rubi Europae*, 206.