

BIBLIOGRAPHY OF RHUS GLABRA L.

BY

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B I B L I O G R A P H Y

Catesby, M.

1731

Rhvs Glabrum

The natural history of Carolina, Florida, etc. v. 3, t. 3, p. 3;
(Schoepf, Mat. Med. Americana, p. 37.)

Gives description of the plant in English and French.

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Linnaeus, C.

1753

Rhvs Glabrum

Species Plantarum, p. 265; (Schoepf, Mat. Med. Americana, p. 37.)

Gives classification and description of the plant.

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Kalm, P.

1756

Rhvs Glabrum

En Resa til Norra America, v. 2, p. 211; (Schoepf, Mat. Med.
Americana, p. 37.)

(The original article was not available.)

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Gronovius, J. F.

1762

Rhvs Glabrum

Flora Virginica, p. 148; *ibid.* ed. nov. 45; (Schoepf, Mat. Med.
Americana, p. 37.)

(The original article was not available.)

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Forster, J. R.

1771

Rhus Glabra

Flora Americae Septentrioinalis, p. 14.

Gives the Latin name, English name, place author, and
reference of sumac.

Marshall, H.

1785

Rhus Glabra

Arbustum Americanum, p. 128; (Watson's Bibl. Ind. North Am. Bot., p. 182.)

(The original article was not available.)

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Schoepf, J. D.

1787

Rhus Glabrum

Materia Medica Americana, p. 37.

An account of Rhus Glabrum as to common name, parts used, habitat, and official preparations.

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Plench, J. J.

(1788-1812)

Rhus Glabra

Icones Plantarum Medicinalium & etc. t. 237; (Watson's Bibl. Ind. North Am. Bot., p. 182.)

Gives an account of the plant and a colored illustration.

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Aiton, W. T.

1789

Rhus Glabra

Hortus Kewensis, 1 ed. p. 162; (Torrey, Bot. State N. Y., v. 1, p. 129; Torrey & Gray, Flora. v. 1, p. 217; Watson's Bibl. Ind. North Am. Bot., p. 182; De Candolle, Prodrromus, p. 67.)

Gives a description of the plant.

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Moench, K.

1794

Rhus Glabra

Methodus plantas horti batanici & etc. p. 72; (Watson's Bibl. Ind. North Am. Bot., p. 182.)

(The original article was not available.)

Horsefield, T.

1798

An Experimental Dissertation on the *Rhus vernix*, *Rhus radicans*, and *Rhus glabrum*, etc.

Thesis Med. Dept. Univ. Penn., 1798; (Bigelow's *Materia Medica*, p. 316; *Surg. Gen. Libr. Ind.*, v. 12, p. 166; Carson, *Hist. Med. Dept. Univ. Penn.*, p. 131.)

(The original article was not available.)

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Saltnstall, W.

1799

Advertisement

Conn. Gazette, v. 36, no. 1872, Wed. Sept. 25.

Wanted immediately.

100 Sumac trees.

Good pay will be offered.

Apply - - - - - Mr. Saltnstall.

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Wildenow, C. L.

1799

Rhus Glabrum

Species Plantarum Linnaeus, 4 ed., v. 1, p. 1478; (U. S. Dispensatory, 2 ed. p. 555; U. S. Dispensatory, 3 ed. p. 544; U. S. Dispensatory, 4 ed. p. 570; U. S. Dispensatory, 5 ed. p. 598; U. S. Dispensatory, 10 ed. p. 618; U. S. Dispensatory, 12 ed. p. 710; U. S. Dispensatory, 13 ed. p. 740; U. S. Dispensatory, 14 ed. p. 772; U. S. Dispensatory, 15 ed. p. 1244; U. S. Dispensatory, 17 ed. p. 1165; *Kings Am. Dispensatory*, 18 ed. v. 2, p. 1665; De Candolle, *Prodromus*, p. 67.)

A technical description of sumac.

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Saltnstall, W.

1800

Advertisement

Conn. Gazette, v. 37, no. 1912, Wed. Jul. 16, p. 4.

Sassafras Roots and Green Sumac wanted immediately.
\$40.00 per ton for sumac.

Williams, J.

1800

Advertisement

The Conn. Cowvant, Mon. Aug. 4, v. 35, no. 1854, p. 2, C. 4.

Wanted immediately, a large quantity of sumac gathered as follows: Cut all this years growth except the berries which must be clipped off. Load it up green and fetch it in as quick as possible, so that it will not heat, for which the highest price will be given. - - - - -

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Michaux, A.

1803

Rhus Glabrum

Flora Boreali Americana, v. 1, p. 182; (Watson's Bibl. Ind. North Am. Bot., p. 182; Torrey & Gray, Flora, v. 1, p. 217; Torrey Bot. State N. Y., v. 1, p. 129.)

Gives a description of the plant.

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Williams, J.

1805

Advertisement

The Conn. Cowvant, Wed. Jul. 31, v. 41, no. 2114, p. 1, C. 1.

Cash for sumac.
The subscriber will give one dollar per hundred for forty hundred sumac, that is well dried, free from sticks and dirt - - - - -

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Baca, C.

1806

Advertisement

The Witness (Litchfield) Conn. Wed. Jul. 2, v. 1, no. 46, p. 2, C. 2.

Sumach of this year's growth (the time to crop which is in July and August) and must be dried like hay, free from rain or any wet - - - - -

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Baca, C.

1806

Advertisement

The witness (Litchfield) Conn. Wed. Aug. 6, v 1, no. 51, p. 3, C. 4.

Wanted immediately.

Ten ton of good sumach, well dried and in good order.

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Baca, C.

1806

Advertisement

Litchfields, Jul. 30.

The present time to crop sumach is the best in the whole year as it must be gotten without the old stalks or berries.

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Williams, J.

1807

Advertisement

Conn. Cowvant, Wed. Sept. 30, v. 43, no. 2227, p. 4, C. 1.

Sumac - The subscriber wishes to purchase two or three tons of Sumac, for which the cash will be paid. If there are berries on they must be clipped off and the brush tied in bundles and hung up under cover to dry if wet weather, or if dry spread in the sun; after they are dry they must be threshed on the barn floor and the sticks raked off.

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Williams, J.

1808

Advertisement

Conn. Cowvant, Wed. June 22, v. 46, no. 2265, p. 3, C. 5.

Sumac, wanted by subscriber.

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Williams, J.

1808

Advertisement

Conn. Cowvant, Wed. July 20, v. 46, no. 2269, p. 4, C. 3.

Sumac and Sweet Fern wanted by the subscriber.

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Thacher, J. (1813)

Rhus Glabrum

Dispens., 2 ed. p. 320.

An account of Rhus Glabrum as to the description, properties, and uses.

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Bigelow, J. 1814

Rhus Glabrum

Florula Bostoniensis, 1 ed., p. 71; *ibid.*, 2 ed., p. 118; *ibid.*, 3 ed., p. 125; (Watson's *Bibl. Ind. North Am. Bot.*, p. 182; Torrey & Gray *Flora*, v. 1, p. 217; Torrey *Bot. State N. Y.*, v. 1, p. 129.)

Gives a general description of the plant.)

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Pursh, F. 1814

Rhus Glabra

Flora Americae Septentrionalis, v. 1, p. 204; (Torrey *Bot. State N. Y.*, v. 1, p. 129; Watson's *Bibl. Ind. North Am. Bot.*, p. 182.)

Gives a brief description of the plant.

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Persoon, C. H. 1817

Rhus Glabra

Synopsis plantarum, v. 1, p. 324; (Watson's *Bibl. Ind. North Am/ Bot.*, p. 182.)

(The original article was not available.)

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Elliott, S. 1821

Rhus Glabra

Botany of South Carolina & Georgia, v. 1, p. 361; (Watson's *Bibl. Ind. North Am. Bot.*, p. 182.)

Gives the habitat and botanical description of the plant.

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Bigelow, J.

1822

Rhus Glabrum

Treatise Materia Medica, U. S. P., p. 316.

An account of Rhus Glabrum as to part used, properties, and uses.

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Eaton, A.

1822

Rhus Glabrum

Manual of Botany, 3 ed., p. 427; *ibid.*, 4 ed., p. 428; *ibid.*, 5 ed., p. 362; *ibid.*, 7 ed., p. 482.

Botanical description of the plant, its use and characteristics of the berries.

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Cozzens, I.

(1823)

Rhus Glabrum - U. S. Secondary - Sumach.

Annals of the Lyceum of N. Y. v. , p. ; (U. S. Dispensatory, 2 ed., p. 555; U. S. Dispensatory 3 ed., p. 544; U. S. Dispensatory, 4 ed. p. 570; U. S. Dispensatory, 5 ed., p. 598; U. S. Dispensatory, 10 ed. p. 618; U. S. Dispensatory, 12 ed., p. 710; U. S. Dispensatory, 14 ed., p. 772; U. S. Dispensatory, 15 ed., p. 1244; U. S. Dispensatory, 17 ed., p. 1165; Porcher, Resources of the Southern Fields and Forests, p. 237; Am. Jour. Pharm., 25, p. 193; Pharm. Era, 46, p. 497; Am. Jour. Pharm., 7, p. 56; Torrey & Gray Flora, v 1, p. 217.)

The berries contain malic acid which is present in the free state and is found in the pubescence which covers their surface. This is proven by the fact that the berries are no longer acid when washed with warm water.

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Paris, J. A. & Ives, A. W.

(1823)

Rhus Glabrum

Pharmacologia, p. ; (U. S. Dispensatory, 2 ed., p. 555; U. S. Dispensatory 3 ed., p. 544; U. S. Dispensatory, 4 ed., p. 570; U. S. Dispensatory, 5 ed., p. 598; U. S. Dispensatory, 10 ed., p. 618.)

Tells of the abundance of sumac in the Western States and that many excrescences are produced on the plant, resembling galls in character and containing large quantities of tannic and gallic acid.

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De Candolle, A. A.

1825

Rhus Glabra

Prodromus systematis naturalis regni vegetabilis, v. 2, p. 67; (Torrey, Bot. State N. Y., v. 1, p. 129; Watson's Bibl. Ind. North Am. Bot., p. 182; Darlington Agr. Bot., p. 23.)

Gives a brief description of the plant.

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Sprengel, K.

1825

Rhus Glabra

Systema Vegabilium, v. 1, p. 936; (Watson's Bibl. Ind. North Am. Bot., p. 182.)

(The original article was not available.)

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Watson, P. W.

1825

Rhus Glabra

Dendrologia Britannica, tab. 15; (Spach. Hist. Veg., v. 2, p. 213.)

(The original article was not available.)

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Torrey, J.

1826

Rhus Glabra

Flora Northern & Middle Sections of U. S., v. 1, p. 322; (Torrey Bot. State N. Y., v. 1, p. 129; Watson's Bibl. Ind. North Am. Bot., p. 182.)

Gives a technical description of the plant.

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Coxe, R.

1827

Rhus Glabrum - Sumach - The Berries.

Am. Dispensatory, 7 ed., p. 543.

Just mentions Rhus Glabrum.

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Morris, A. P.

1828

Advertisement

Phila. Nat. Gaz. & Lit. Reg., v 8, no. 2346, Aug. 22, p. 2,
C. 6.

For sale - American Sumac by ton or less quantities.

Hooker, W. J.

1829

Rhus Glabra

Flora Boreali-Americana, v. 1, p. 126; (Torrey, Bot. State, N. Y., v. 1, p. 129; Torrey & Gray, Flora, v. 1, p. 217; Watson's Bibl. Ind. North Am. Bot., p. 182.)

Gives a brief description of the plant.

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1830

Smooth Sumach

Rev. Medicale, v. 1, p. 307; (Porcher, Resources Southern Fields & Forest, p. 238.)

Its employment as a gargle is mentioned.

Morris, A. P.

1830

Advertisement

Phila. Nat. Gaz. & Lit. Reg., v. 10, no. 2778, Jan. 12, p. 3,
C. 3.

For sale - 300 bags 1st. quality American Sumac.

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Rafinesque, C. S.

1830

Rhus, L. - Shumac

Med. Flor., v. 2, p. 256; (Millsbaugh, Medicinal Plants, v. 2, p. 30, app.)

The various species of *Rhus* are listed under the two headings, the Harmless and the Poisonous.

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Dietrich, D. N. F.

(1831-56)

Rhus Glabra

Flora Universalis, v 2, p. 1002; (Watson's, Bibl. Ind. North Am. Bot., p. 182.)

(The original article was not available.)

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Beck, L. C.

1833

Rhus Glabra

Botany, p. 75; (Watson's, Bibl. Ind. North Am. Bot., p. 182.)

(The original article was not available.)

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Spach, E.

1834

Rhus Glabra

Histoire Naturelle Des Vegetaux, v. 2, p. 213; (Watson's, Bibl. Ind. North Am. Bot., p. 182.)

Gives a complete description of the plant.

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Trommsdorff, J. B.

1834

Rhus Glabra

Handbuch der pharmaceutischen Waarenkunde v. 3, p. -. (Nat. Dispensatory, 2 ed. p. 1230; Nat. Dispensatory, 3 ed. p. 1308; Nat. Dispensatory, 5 ed. p. 1380.)

Found in the fruit of the European sumach tannin, coloring matter, malate of potassium, and much malate of calcium.

Wood, G. B. & Bache, F.

1834.

Rhus Glabrum

U. S. Dispensatory, 2 ed., p. 555.

An account of Rhus Glabrum as to family, description, habitat, medicinal properties, and uses.

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Fahnestock, P. -.

1835.

Rhus Glabrum

Am. Journ. Med. Sci. v. -, p. -; (U. S. Dispensatory, 2 ed., p. 555; U. S. Dispensatory, 3 ed. p. 544; U. S. Dispensatory, 4 ed., p. 570; U. S. Dispensatory, 5 ed., p. 598; U. S. Dispensatory, 10 ed., p. 618; U. S. Dispensatory 12 ed., p. 710; U. S. Dispensatory, 13 ed., p. 740; U. S. Dispensatory, 14 ed., p. 772; Porcher, Resources Southern Fields & Forests, p. 237; Am. Jour. Pharm., 25, p. 193; Jour. Mat. Med., 10, p. 134.)

From his observations it appears that the inner bark of the root is possessed of much higher remedial powers than the fruit.

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Rogers, W. B.

1835.

On the Existence of the Bi-Malate of Lime in the Berries of the Sumach; and the Mode of Procuring it from them in the Crystalline Form.

Am. Jour. Sci. & Arts. v. 27, p. 294; (U. S. Dispensatory, 3 ed., p. 544; U. S. Dispensatory, 4 ed., p. 570; U. S. Dispensatory 5 ed., p. 598; U. S. Dispensatory, 10 ed., p. 618; U. S. Dispensatory 12 ed., p. 710; U. S. Dispensatory, 14 ed., p. 772; U. S. Dispensatory, 15 ed., p. 1244; U. S. Dispensatory, 17 ed., p. 1165; National Dispensatory, 2 ed., p. 1230; National Dispensatory, 3 ed., p. 1308; National Dispensatory 5 ed., p. 1380; Porcher, Resources Southern Fields & Forests, p. 237; Pharm. Era, 46, p. 497; Am. Jour. Pharm. 7, p. 56; Am. Jour. Pharm, 25, p. 193; Am. Jour. Pharm. 85, p. 406.)

Reports on the existence of bimalate of lime in sumach berries and his doubt to the presence of uncombined malic acid.

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Wood, G. B. & Bache, F.

1836

Rhus Glabrum

U. S. Dispensatory, 3 ed., p. 544.

An account of *Rhus Glabrum* as to parts official, family, description, habitat, medicinal properties and uses.

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Lindley, J. 1836

Smooth Sumach (*Rhus Glabra*)

Nat. Syst. Bot. p. 166; (Porcher, Resources Southern Fields & Forests, p. 238.)

Its employment as a gargle is mentioned.

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Darlington, W. 1837

Rhus Glabra

Flora Cestrice, p. 206; *ibid.*, 3 ed., p. 44; (Watson's Bibl. Ind. North Am. Bot. p. 182; Torrey Bot. State N. Y., v 1., p. 129.)

Gives a botanical description of the plant.

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Merat, F. V. & De Lens, A. J. 1838

Smooth Sumach (*Rhus Glabra*)

Diction. de M. Med. v. 6, p. 77; (Porcher, Resources Southern Fields & Forests, p. 238.)

Its employment as a gargle is mentioned.

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Torrey, J. & Gray, A. 1838

Rhus Glabra

Flora North America, v. 1., p. 217; (Watson's Bibl. Ind. North Am. Bot., p. 182; Darlington Agri. Bot., p. 23.)

Gives description, habitat, and use of the plant.

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Wood, G. B. & Bache, F. 1839

Rhus Glabrum

U. S. Dispensatory, 4 ed., p. 570.

An account of Rhus Glabrum as to order, description, habitat, medicinal properties and uses.

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Eaton, A. & Wright, J.

1840

Rhus Glabra

North American Botany, 8 ed., p. 392; (Watson's Bibl. Ind. North Am. Bot., p. 182.)

Description of the plant, its use and the characteristics of the berries are given.

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Hooker, W. J.

1842

Rhus Glabra

Lond. Jour. Bot., 6, p. 76; (Watson's Bibl. Ind. North Am. Bot., p. 182.)

(The original article was not available.)

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Schnizleir, A.

1843

Rhus Glabra

Iconographia Familiarum Naturalium & Etc. t. 245, f. 9-19; (Watson's Bibl. Ind. North Am. Bot., p. 182.)

(The original article was not available.)

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Torrey, J.

1843

Rhus Glabra

Botany State N. Y., v. 1, p. 129; (Millsbaugh, Medicinal Plants, v. 2, p. 30, app; Watson's Bibl. Ind. North Am. Bot., p. 182.)

The habitat and description of the plant are given.

Wood, G. B. & Bache, F.

1843

Rhus Glabrum

U. S. Dispensatory, 5 ed., p. 598; (Porcher, Resources Southern Fields & Forests, p. 237.)

An account of Rhus Glabrum as to part used, family, description, habitat, medicinal properties and uses.

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Darlington, W.

1847

Rhus Glabra

Agricultural Botany of Plants & Weeds, p. 23; (Millspaugh Medicinal Plants, v. 2, p. 30, app.)

Gives the habitat and complete description of the plant.

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Griffith, R. E.

1847

Smooth Sumach (Rhus Glabra)

Med. Bot., p. 106; (Porcher, Resources Southern Fields & Forests, p. 238.)

Gives the description of the plant, its medicinal use, history, properties, and mode of administration.

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Strong, A. B.

1848

Rhus Glabra

Am. Flor., v. 1, cf. 46, 97. (Millspaugh, Medicinal Plants, v. 2, p. 30, app.)

(The original article was not available.)

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Gray, A.

1849

Rhus Glabra

Genera of Plants of the U. S. v. 2, p. 160, t. 159; (Watson's Bibl. Ind. North Am. Bot., p. 182.)

Gives a botanical description and classification of the plant.

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Williams, S. W.

1849

Rhus Glabra

Med. Bot. Mass., 911; (Millsbaugh, Medicinal Plants, v. 2, p. 30, app; Trans. Am. Med. Assoc. v. 2., p. 911.)

The plant is a valuable astringent which can be used as an infusion for gargles or as a decoction in cases of diarrhoea and dysentery.

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Emerson, G. B.

1850

The Smooth Sumach

Report on Trees and Shrubs of Mass., p. 502; (Watson's Bibl. Ind. North Am. Bot. p. 182.)

Gives a careful description of the plant and also its main constituents and uses.

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1852

Rhus Glabrum

Eclec. Jour. Med., Rochester, v. 4, p. 232; (Am. Dispensatory, 6 ed., p. 794; Am. Dispensatory, 10 ed., p. 707.)

The term Rhusine is used to what is thought to be a new preparation.

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Watson, W. J.

1853

Chemical examination of the Berries and Bark of Rhus Glabrum.

Am. Journ. Pharm. 25, p. 193; (U. S. Dispensatory, 10 ed., p. 618; U. S. Dispensatory, 12 ed., p. 710; U. S. Dispensatory, 13 ed., p. 740; U. S. Dispensatory, 14 ed., p. 772; U. S. Dispensatory, 15 ed., p. 1244; U. S. Dispensatory, 17 ed., p. 1165; Am.

Dispensatory, 6 ed., p. 794; Am. Dispensatory, 10 ed. p. 707; Am. Dispensatory, 18 ed., v. 2, p. 1665; Am. Jour. of Pharmacy v. 76, p. 151; Am. Jour. of Pharmacy, v. 85, p. 406; Pharm. Era, 46, p. 497.)

An account of *Rhus Glabrum* as to the botanical description, analysis of the bark of the root, analysis of the galls and analysis of the berries.

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Wood, G. & Bache, F. 1854

Rhus Glabrum

U. S. Dispensatory, 10 ed. p. 618.

An account of *Rhus Glabrum* as to order, habitat, description, properties, and uses.

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London, J. C. 1855

Rhus Glabra

Encyclopedia of Botany, p. 226; (Millsbaugh, Medicinal Plants, v. 2, p. 30, app; Watson's Bibl. Ind. North Am. Bot., p. 182.)

It has berries which dye red, and the branches boiled with the berries afford a black ink like tincture.

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Schlumberger, E. -. 1857

Preparation of Dye Pigment from Quercitron Bark

Am. Journ. Pharm. v. 29, p. 354.

Its dyeing capability being increased by sulphuric acid.

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Rogers, W. B. 1858

On the Existence of the Bi-malate of Lime in the Berries of the Sumach.

Silliman's Jour. v. 27, p. 295; (Emerson, Trees of Mass., p. 503.)

Gives a process for obtaining the bi-malate of lime in a perfectly pure condition.

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Lee, C. A. 1859

Remarks on Rhus Glabra

Jour. Mat. Med., 1, p. 194; (Jour. Mat. Med., 10, p. 133; Millspaugh, Medicinal Plants, v. 2, p. 30, app.)

An account of rhus glabra giving its chemical composition and Therapeutical properties.

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Muller, G. 1859

Quantitative Determination of the Amount of Tannin in Tanning materials.

Am. Journ. Pharm. 31, p. 429.

An account of sumach as to the amount of tannin present.

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Chapman, A. W. 1860

Rhus Glabra

Flora of Southern U. S. p. 69; (Watson's Bibl. Ind. North Am. Bot., p. 182.)

Gives description and habitat of the plant, and classes it under plants of Cashew family.

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Lesquereux, M. L. 1860

Rhus Glabra

Arkansas Geological Survey, p. 353; (Watson's Bibl. Ind. North Am. Bot., p. 182.)

Gives the kind of soil upon which sumach grows in Arkansas.

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Hammond, A. L.

1862

Smooth Sumach

Charleston Courier, -, p. -; (Porcher Resources Southern Fields & Forests, p. 238; Jour. Mat. Med., 10, p. 130.)

An account of *Rhus glabra* comparing it with that which is so extensively grown in Sicily. The difference between the two being due to the locality in which each is grown.

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Jenson, W.

1862

Sumach

Charleston Courier, -, p. -; (Porcher, Resources Southern Fields & Forests, p. 239.)

Writes of its resemblance to *Rhus Virginicum*, its habitat, main characteristics, constituents and uses.

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Stenhouse, J. -.

1862

On Some Varieties of Tannin

Am. Journ. Pharm. 34, p. 252; (National Dispensatory, 2 ed., p. 1230; National Dispensatory, 3 ed., p. 1308; National Dispensatory, 5 ed., p. 1380; Am. Journ. Pharm. 85, p. 406; U. S. Dispensatory 12 ed., p. 710; U. S. Dispensatory, 13 ed. p. 740; U. S. Dispensatory, 14 ed., p. 772; U. S. Dispensatory, 15 ed., p. 1244; U. S. Dispensatory, 17 ed., p. 1165; Porcher, Resources Southern Fields & Forests, p. 237; Pharm. Era, 46, p. 497.)

An account of Sumach as to the methods of extraction, and the amount of tannin present.

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Woodin, C. H.

1862

Sumach

Charleston Courier, - p. -; (Porcher, Resources Southern Fields & Forests, p. 240; Jour. Mat. Med., 10, p. 131.)

An account of *Rhus glabra* giving many beneficial uses.

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King, J.

1864

Rhus Glabrum (Glatter Sumach)

Am. Dispensatory, 6 ed., p. 794.

An account of Rhus Glabrum as to parts used, description, history, properties, uses, and official preparations.

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Mittenzwey, M.

1864

On the Volumetric Estimation of Sumach.

Am. Jour. Pharm., 36, p. 317.

An account of the method of analysis and the results obtained.

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Wood, G. B. & Bache, F.

1865

Rhus Glabrum. U. S. Secondary Sumach

U. S. Dispensatory, 12 ed., p. 710.

An account of Rhus Glabrum as to the part used, family, habitat, medicinal properties and uses.

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Wood, H. C.

1866

Mercurial Salivation

Pereiva's Mat. Med. & Therapeutics, Am. ed., p. 760; (Jour. Mat. Med., 10, p. 134.)

An account of the uses of Rhus Glabra giving generic, and specific characters, habitat and also the constituents of the plant recommending its use in mercurial sore-mouth.

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Griscom, J. H.

1867

Rhus Glabrum

Med. & Surg. Reporter, Feb. 9, p. 118; (U. S. Dispensatory, 13 ed. p. 740; U. S. Dispensatory, 14 ed., p. 772; U. S. Dispensatory, 15 ed., p. 1244; U. S. Dispensatory, 17 ed., p. 1165.)

A preparation of a medicinal wine from the fruit which is spoken of as a valuable remedy.

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1868

Sumach Trade

Norfolk Virginian, -, p. -; (Porcher, Resources Southern Fields & Forests, p. 247.)

The establishment of factories for the preparation of tannin is mentioned and direction for gathering and curing the sumach are given.

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Bowman, H. K.

(1869)

Quantitative Determination of the amount of Tannin in Various Vegetable Astringents.

Am. Journ. Pharm., 41, p. 195; (National Dispensatory, 2 ed., p. 1230; National Dispensatory, 3 ed., p. 1308; National Dispensatory, 5 ed., p. 1380; Am. Journ. Pharm., 85, p. 406; Pharm. Era, 46, p. 497.)

An account of Sumach bark and berries giving the amount of tannin in the samples run.

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Porcher, F. P.

1869

Smooth Sumach

Resources Southern Fields & Forests, p. 237; (Millsbaugh, Medicinal Plants, U. S. v. 2, p. 30, app.)

A very interesting account of Sumach as to habitat, various preparations and uses.

- - - - -

Cooper, J. G.

1870

The Sylva of Montana

American Naturalist, 3, p. 405; (Watson Bibl. Ind. North Am. Bot., p. 182.)

Tells of the plant as it is found growing in the Rocky Mountain regions.

- - - - -

Scudder, J. M.

1870

On the Specific Action of Medicines

Eclec. Med. Journ., 30, p. 442.

Giving the formula for the preparation of a tincture and its direct effect upon the system.

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Wood, G. B. & Bache, F.

1870

Rhus Glabrum

U. S. Dispens., 13 ed., p. 740.

An account of Rhus Glabrum as to the part used, order, habitat, properties and uses.

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Bates, J. - .

1871

Rhus Glabrum

Jour. Mat. Med., 10, pp. 129 & 136.

An account of Rhus Glabrum as to natural order, generic character, specific character, habitat, medical properties, part used, chemical composition and history.

- - - - -

Paine, - . - .

(1871)

Therapeutical Employment of Rhus Glabra

Jour. Mat. Med., 10, p. 132.

An account of Rhus glabra as to its action on Scurvy, dysentery, cholera infantum, and Chronic Ulceration of the Bowels.

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Coulter, J. M.

(1872)

Rhus Glabra

Hayden Report, 1872, p. 763; (Watson, Bibl. Ind. North Am. Bot., p. 182.)

(The original article was not available.)

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Michener, E.

1872

Rhus Glabra

Man. Weeds, p. 15; (Millsbaugh, Medicinal Plants, U. S., v. 2, p. 30, app.)

(The original article was not available.)

- - - - -

King, J.

1875

Rhus Glabrum

Am. Dispens., 10 ed., p. 707.

An account of Rhus Glabrum as to order, description, history, properties, uses and official preparations.

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Allen, T. T.

1877-1879

Rhus Glabra

The Encyclopedia of Pure Materia Medica, v. 8, p. 329; (Millsbaugh, Medicinal Plants, v. 2, p. 30, app.)

A record of positive effects of the drug.

- - - - -

Watson, S.

1878

Rhus Glabra

The Bibliographical Index to North Am. Botany, p. 182; (Millsbaugh, Medicinal Plants, U. S., v. 2, p. 30, app.)

Gives a number of references to sumach.

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Barnard, H. C.

1879

Rhus Glabrum

St. Louis Clin. Rec., 6, p. 132; (Surg. Gen. Libr. Ind., S. 1, v. 12, p. 166.)

(The original article was not available.)

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Stille, A. & Maisch, J. M.

1879

Rhus Glabrum

National Dispens. 2 ed., p. 1230.

An account of Rhus Glabrum as to the part used, origin, description, constituents, medicinal action and uses.

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Wood, G. B. & Bache, F.

1879

Rhus Glabrum, U. S. Secondary Sumach

U. S. Dispens., 14 ed., p. 772.

An account of Rhus Glabrum as to part used, order, habitat, description, medicinal properties, and uses.

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Magagna, H.

1880

Notes on the Tannic Acid of Sumach Leaves

Chem. News, 41, p. 63; (Proc. Am. Pharm. Assoc., 28, p. 191.)

An account of Sumac Leaves as to the amount of Tannin contained during the different periods of growth.

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Rice, C.

1880

Rhus Glabra

Revision of U. S. Pharmacopoeia, p. 119.

An account of Rhus Glabra stating that the official title should be Rhus Glabra instead of Glabrum.

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National Convention,

1882

Rhus Glabra

U. S. Pharmacopoeia, 6 Rev. p. 283.

An account of Rhus Glabra as to part used, definition,
and official preparations.

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Edes, R. T.

1883

Rhus Glabra

Therapeutic Handbook of the United States Pharmacopoeia, p. 272.

An account of Rhus Glabra as to description, habitat,
medicinal properties and dose.

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Johnson, L.

1884

Rhus Glabra

Medical Botany of North America, p. 117.

An account of Rhus Glabra as to description, and habitat.

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Stille, A. & Maisch, J. M.

1884

Rhus Glabra

National Dispens., 3 ed., p. 1308.

An account of Rhus Glabra as to origin, description, con-
stituents, habitat, medicinal action, and uses.

- - - - -

Curtis, M. A.

(1885)

Rhus Glabra

Botany North Carolina, p. 92; (Watson, Bibl. Ind. North Am. Bot.,
15, p. 182.)

(The original article was not available.)

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Dyer, W. T. T.

1885

Sumach - Cultivation in Italy

Phar. Jour., v. 44, no. 3, p. 852; (Proc. Am. Pharm. Assoc., 33, p. 186.)

Tells of the care taken in the cultivation and harvesting of the crop.

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Reinsch, - . - .

1886

The Examination of the Husk of the seed of Rhus Glabra
Zeitschrift f. Chemie, p. 221; (Am. Jour. Pharm., 76, p. 156.)

Gives the results after close and careful examinations.

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Wood, H. C., Reimington, J. P. & Sadtler, S. P.

1886

Rhus Glabrum

U. S. Dispens. 15 ed., p. 1244.

An account of Rhus Glabrum as to family, description, part used, habitat, medicinal properties, uses and official preparations.

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Palen, J. A.

1888

Analyses of American Plants

Am. Jour. Pharm., 60, p. 389; (King's Am. Dispens. 18 ed., v. 2, p. 1665; Am. Jour. Pharm., 85, p. 407; U. S. Dispens., 17 ed., p. 1165; Pharm. Era, 46, p. 498.)

An account of Rhus Glabra giving a table of analytical results.

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O'Connor, J. T.

1890

Rhus Glabra

Am. Homoeopathic Pharmacopoeia, 4 ed., p. 390.

An account of *Rhus Glabra* as to the family, common names, habitat, and preparations.

- - - - -

Trimble, H. 1890

Some American Galls

Am. Jour. Pharm., 62, p. 564; (U. S. Dispens., 17 ed., p. 1165; Am. Jour. Pharm., 76, p. 151; Am. Jour. Pharm., 85, p. 406; Pharm. Era, 46, p. 497.)

An account of *Rhus Glabra* as to the Tannin content.

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Weber, W. -. 1890

On the Menstrua for Fluid Extracts and Tinctures, and Allied Subjects.

Am. Drugg., 19, p. 121.

An account of *Thus Glabrae* giving the formula for the preparation of a fluid extract.

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Greene, E. L. (1892)

Rhus Glabra

Pro. Washington Acad. of Science, p. -; (Dig. Com., U. S. P., 1907, p. 399.)

Has made an exhaustive study of the plants throughout the country resulting in the separation of 28 segregates.

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Millsbaugh, C. F. 1892

Rhus Glabra

Medicinal Plants, U. S., v. 1, pl. 36.

An account of *Rhus Glabra* as to synonyms, common names, description, habitat, family, history, part used, preparations, chemical constituents, physiological action, and a descriptive colored plate.

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Stille, A., Maisch, J. M., Caspari, C., & Maisch, J. M. 1894

Rhus Glabrum

National Dispensatory, 5 ed., p. 1380.

An account of Rhus Glabrum as to family, part used, origin, description, constituents, action, and uses.

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Wood, H. C., Remington, J. B., Sadtler, S. P. 1894

Rhus Glabra

U. S. Dispens., 17 ed., p. 1165.

An account of Rhus Glabra as to order, parts used, habitat, description, medicinal properties, and uses.

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Howell, E. V. 1895

Analysis of Sumac Root

Proc. N. C. Pharm. Assoc., 16, p. 39.

Publishes his Thesis worked at the Philadelphia College of Pharmacy.

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Beringer, G. M. 1896

Notes on the Recent Literature of Botany and Materia Medica.

Am. Journ. Pharm., 68, p. 214; (Am. Jour. Pharm., 85, p. 407; Proc. Am. Pharm. Assoc., 44, p. 636.)

An account of the exportation of Sumach.

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Felter, F. W. & Lloyd, J. U. 1900

Rhus Glabra

King's Am. Dispensatory, 18 ed., v. 2, p. 1665.

An account of Rhus Glabra as to part used, order common names, illustration, botanical source, history, description, chemical composition, medicinal use, action and dosage.

Trimble, H. -.

1900

Some of the Unpublished Results of the Investigation of the tannins By the Late Professor Henry Trimble.

Am. Journ. Pharm., 72, p. 336; (Am. Journ. Pharm., 85, p. 406; Kings Am. Dispens., 18 ed., v. 2, p. 1665; Pharm. Era, 46, p. 497.)

Tabulated results of the assay of different parts of Rhus Glabra collected from various places.

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Cassidy, J. J.

1901

Rhus Glabra in Enuresis

Canad. Jour. Med. & Surg. Toronto, 9, p. 82; (Surg. Gen. Libr. Ind., S. 2, v. 14, p. 572; Ecler. Med. Journ., 62, pp. 155 & 67.)

Giving the effect of the fluid extract when used in cases of enuresis.

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Claassen, E. -.

1901

Qualitative Determination of the Organic Acids in the Fruit of Rhus Glabra.

Drugg. Circ. & Chem. Gaz., 45, p. 191.

An account of rhus glabra as to the steps taken in the method of identifying the acids present.

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Frankforter, G. B.

1901

Chemical Study of the Seed of Rhus Glabra

Pharm. Rev., 19, p. 549.

Gives results obtained from a chemical study of the seeds of Rhus Glabra.

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Trimble, H. & Ridenour, W. E.

1903

Some of the Unpublished results of the Investigations of the Tannins by the Late Professor Henry Trimble.

Am. Journ. Pharm., 75, p. 343; (Am. Journ. Pharm., 85, p. 406.)

An account of sumach as to the nature of the acidity of the fruit.

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Frankforter, G. B. & Martin, A. W.

1904

A Chemical Study of the Seed of *Rhus Glabra*

Am. Journ. Pharm., 76, p. 151; (Am. Journ. Pharm., 85, p. 406; Proc. Am. Pharm. Assoc., 52, p. 730; Pharm. Era, 46, p. 498; Surg. Gen. Libr. Ind., S. 2, v. 14, p. 572.)

An account of *Rhus Glabra* giving the results obtained from chemical analysis of the seed, as to ash, moisture, acidity of the seed, extraction, seed oil, drying property of the oil, saponification value, iodine value, determination of glycerol, and examination of the husk.

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Trotman, T. R.

1904

Percentage and Composition of Ash in Sumach Leaves

Journ. Soc. Chem. Ind., 23, p. 1137; (Pharm. Journ., v. 74, p. 484; Proc. Am. Pharm. Assoc., 53, p. 676.)

Gives the percentage of silica and iron present in the ash of sumach leaves; the presence of iron being exceedingly objectionable.

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Eberle, E. G.

1905

Notes on Some Medicinal Plants of Texas

Proc. Am. Pharm. Assoc., 53, p. 305; (Dig. Com. U. S. P., 1905, p. 258.)

Mentions *rhus glabra* among the medicinal plants of Texas.

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Henkel, Alice.

1906

Rhus Glabra

Bull. Bur. Plant Ind., U. S. Dept. Agric., No. 89, p. 58; (Dig. Com. U. S. P., 1906, p. 456.)

Mentions *Rhus Glabra*, commonly called smooth sumac and scarlet sumac, as being found in dry soil, thickets, and waste places nearly throughout the United States and Canada.

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Henkel, Alice.

1906

Rhus Glabra

Wild Medicinal Plants of the U. S., p. 58; (Dig. Com. U. S. P., 1906, p. 456.)

An account of Sumac as to common names, habitat, description, and parts used.

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Strauss, E. & Gschwender, B.

1906

Beiträge Zur Kenntnis einiger Gerbstoffe

Ztschr. f. Angw. Chem., 19, p. 1121; (Pharm. Journ., 77, p. 489; Proc. Am. Pharm. Assoc., 55, p. 917.)

Gives Loewes method for the preparation of sumach-tannin, which was found to have the composition expressed by the formula $C_{32}H_{29}O_{11}OCH_3$.

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Greene, E. L.

1907

Rhus Glabra, *R. Toxicodendron*, and *R. Aromatica*

Proc. Wash. Acad. of Sciences, p. -; (Bull. Pharm., 21, p. 303; Dig. Com. U. S. P., 1907, p. 399.)

An account of his exhaustive study of the above mentioned drugs.

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Nelson, B. E.

1907

An Analytical Scheme for the Microscopical Examination of Powdered Drugs.

Merck's Report, 16, p. 38; (Dig. Com. U. S. P., 1907, p. 399.)

Gives the characteristics of the powdered drug and the appearance of the various parts as seen under the microscope.

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Beringer, G .M.

1908

Fluid Glycerates

Drugg. Circ., 52, p. 556; (Proc. Am. Pharm. Assoc., 56, p. 1001;
Dig. Com. U. S. P., 1908, p. 470.)

Outlines a formula for fluid glycerate of Rhus Glabra with the procedure to be followed, also gives the properties of the preparation.

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Capps, J. A., Prati, J. H., McCrae, T., & Halsey, J. T. 1909

Report of the Committee on the revision of the Pharmacopoeia

Jour. Am. Med. Assoc., 53, p. 792; (Dig. Com. U. S. P., 1909, p. 622.)

Recommended the deletion of rhus glabra and the fluid extract from the U. S. P.

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Holm, T. -.

1910

Medicinal Plants of North America

Merck's Rept., 19, p. 338; (Dig. Com. U. S. P., 1910, p. 680.)

Describes and illustrates the structural characteristics of Rhus Glabra.

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Marshall, A. V.

1910

Rhus Glabra

Jour. Am. Inst. Homoeop., 2, p. 316; (Dig. Com. U. S. P., 1910, p. 680.)

The experience of profuse perspiration from the use of the drug is related.

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Rusby, H. H.

1910

The "Raid" Occurred

Pract. Drugg., 27, p. 424; (Dig. Com. U. S. P., 1910, p. 680.)

States that he has met with *Rhus Glabra* which was *Rhus Typhina*.

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1911

Rhus Glabra, L.

Proc. Am. Pharm. Assoc., 59, p. 151.

An account of *rhus glabra* giving the known popular names.

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Schneider, A. -.

1911

The Microscopical Examination of Drugs, Foods and Textile Fabrics

Merck's Rept., 20, p. 3; (Dig. Com. U. S. P., 1911, p. 566.)

A description of *Rhus Glabra* Bark and Fruit.

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Lloyd, J. U.

1911

Rhus Glabra

Bull. Lloyd Libr., No. 18, p. 70; (Dig. Com. U. S. P., 1911, p. 566.)

States that the North American Indians used the powdered seeds of sumach to treat piles and as an application to wounds, the juice of the fresh fruit being used for skin diseases.

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Bicknell, E. P.

1912

Rhus Glabra

Bull. Torrey, Bot. Club, 39, p. 423; (Dig. Com. U. S. P., 1912, p. 419.)

Reported *Rhus Glabra* as found growing on the island of Nantucket.

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Gilmore, M. R.

1912

Rhus Glabra

Meyer Bros. Drugg., 33, p. 138; (Dig. Com., U. S. P., 1912, p. 419.)

The fruits of *Rhus glabra* were used by the Indians of Nebraska to make a poultice in case of poisoning.

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Needham, R. H.

1912

Practical Suggestions on Pharmacopoeial Revision

Jour. Am. Pharm. Assoc., 1, p. 1346; (Dig. Com. U. S. P., 1912, p. 419.)

Says that *Rhus glabra* is never used nor prescribed; its use as a remedial agent amounts to nothing.

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Kraemer, H. -.

1913

Fruits of *Rhus Glabra* Replaced By Fruits of *Rhus Typhina*

Proc. N. J. Phar. Assoc., 43, 64; (Am. Journ. Pharm., 85, p. 398; Pharm. Era, 46, p. 496; Yr. bk. Am. Pharm. Assoc., 2, p. 256; Dig. Com. U. S. P., 1913, p. 441.)

An account of *Rhus Glabra*, the official plant, and of *Rhus Typhina* which is often substituted, giving the description, habitat, and figures of both plants.

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Beringer, G. M.

1914

Rhus Glabra

Proc. N. J. Pharm. Assoc., 44, p. 111; (Dig. Com. U. S. P., 1914, p. 436.)

The results obtained after an examination of a sample of the drug are given.

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Henkel, Alice.

1914

Rhus Glabra

American Medicinal Flowers, Fruits and Seeds; (Spatula, 20, p. 408; Phys. Drugg. News, 9, p. 155; Dig. Com. U. S. P., 1914, p. 436.)

An illustrated description of the drug is given.

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Rippetoe, J. R.

1914

The Examination of Some Drugs With Special Reference to the Anhydrous Alcohol and Ether Extracts and Ash.

Am. Jour. Pharm., 86, p. 443; (Dig. Com. U. S. P., 1914, p. 436.)

One sample of sumach berries was found to contain 10.59% of alcohol extract and 2.09% of ash.

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Beringer, G. M.

1915

Rhus Glabra

Journ. Am. Pharm. Assoc., 4, p. 1382; (Dig. Com. U. S. P., 1915, p. 387.)

An account of Rhus Glabra giving the official definition and description of the drug; also a description of the powder and a method for obtaining the tannin in the crystalline form to be analyzed.

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Webster, H. J.

1915

Rhus Glabra

Eclectic Rev., 18, p. 359; (Dig. Com. U. S. P., 1915, p. 387.)

Rhus is an old remedy, and due to the homeopaths a great deal is known regarding this agent.

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Hare, H. A., Caspari, C., Rusby, H. H.

1916

Rhus Glabra

National Standard Dispens., 3 ed., p. 1397.

An account of *Rhus Glabra* as to origin, description, constituents, action, and uses.

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Brubaker, H. W.

1919

Properties of *Rhus Glabra* Oil

Journ. Ind. Eng. Chem., 11, p. 950; (Yr. bk. Am. Pharm. Assoc., 8, p. 472; Am. Journ. Pharm., 92, p. 269.)

An account of *Rhus Glabra* as to the composition of the oil obtained from the berries and a description of the same.

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Scoville, W. L.

1920

The Function of Glycerin in Tinctures and Fluid Extracts.

Journ. Am. Pharm. Assoc., 9, p. 874.

An account of *Rhus Glabra* as to the amount of extractive found in the fractions obtained in making fluid extract tests.

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Brubaker, H. W.

1921

Study of Oil From Sumac (*Rhus Glabra*)

Midland Drugg. & Pharm. Rev., 55, p. 6-7.

An account of the oil, giving description, iodine value, and the method of preparation.

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Lloyd, J. U.

1921

Rhus Glabra

Origin and Hist. of Pharm. Vegetable Drugs, Chem. and Preparations, v. 1, p. 271.

Gives the habitat, history, medicinal properties and uses of *Rhus Glabra*.

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List of Journals Consulted.

- Am. Drugg., 1884 - 1891
Am. Drugg. & Pharm. Rec., 1892 - 1921
Am. Jour. Pharm., 1827 - 1922
Dig. Com. U. S. P. & N. F., 1905 - 1920
Drugg. Circ., 1857 - 1914
Eclec. Med. Jour., 1853 - 1919
Jour. Am. Pharm. Assoc., 1912 - 1922
Jour. Mat. Med., 1859 - 1882
Merch's Rept., 1893 - 1921
Midl. Drugg., 1902 - 1922
New Remedies, 1876 - 1883
Pharm. Era, 1887 - 1922
Pharm. Rec., 1884 - 1893
Pharm. Rev., 1896 - 1903
Pharm. Ruinds., 1883 - 1895
Proc. Am. Pharm. Assoc., 1852 - 1911
West. Drugg., 1879 - 1920
Year Book of the Am. Pharm. Assoc., 1912 - 1922

United States Pharmacopoeial
1820-1910 (1-1X revisions)
and
National Formulary
1888-1916 (1-1V editions)

History

U. S. P. - 1820 - p. 56.

Rhus Glabrum.

Rhus glabrum W. I. 1478.

Sumach.

Baccae, The berries.

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U. S. P. - 1830, Phil., - p. 36.

Rhus Glabrum

Rhus glabrum. W. i. 1478.

Sumach.

Baccae. The berries.

- - - - -

U. S. P. - 1830, N. Y., - p. 52.

Rhi Glabrae Baccae.

Rhus Glabra.

Sumach Berries.

water./ Prop. taste, acid, astringent; virtues extracted by
Med. Oper. Refrigerant, astrigent.

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U. S. P. - 1840 - p. 47.

Rhus Glabrum.

Sumach.

The fruit of Rhus glabrum.

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U. S. P. - 1850 - p. 53.

Rhus Glabrum.

Sumach.

The fruit of Rhus glabrum.

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U. S. P. - 1860 - p. 61.

Rhus Glabrum.

Sumach.

The fruit of Rhus glabrum.

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U. S. P. - 1870 - p. 60.

Rhus Glabrum.

Sumach.

The fruit of Rhus glabrum.

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U. S. P. - 1880 - p. 283.

Rhus Glabra.

(Rhus Glabrum, Pharm., 1870, Sumach.)

The fruit of Rhus glabra Linne (Nat. Ord., Terebinthaciae, Anacardiaceae.)/

Sub-globular, about one-eighth of an inch (3 millimeters) in diameter, drupa/ceous, crimson, densely hairy, containing a roundish-oblong, smooth putamen./ It is inodorous, and its taste acidulous.

Preparation: Extractum Rhois Glabra.

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U. S. P. - 1890 - p. 340.

Rhus Glabra.

Rhus Glabra.

The fruit of Rhus glabra Linne (nat. ord. Anacardiaceae.)/ Subglobular, about 3 Mn. in diameter, drupaceous, crimson, densely hairy,/ containing a roundish-oblong, smooth putamen; inodorous; taste acidulous./

Preparation: Extractum Rhois Glabrae Fluidum./

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U. S. P. - 1900 - p. 383.

Rhus Glabra.

Rhus Glabra.

The dried fruit of Rhus glabra Linnae (Fam. Anacardiaceae.)/

Flattened-ovoid, 3 to 4 Mm. in diameter, externally deep crimson, glandular -/ tomentose; endocarp light yellow, smooth, shiny, enclosing a single seed; in-/odorous; taste acidulous and astringent./

Average dose - 1 Gm. (15 grains.)

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Rhus Glabra

Rhus Glabra

(U. S. P. VIII.)

Rhus Glab.

Sumac Berries.

The dried, ripe fruit of *Rhus glabra* Linne (Fam. Anacardiaceae), without the presence of more than 5 percent of stems or other foreign matter./

Nearly globular, ovoid, more or less veniform, somewhat compressed, about 5 mm./ in length and 2 mm. in diameter; externally dark red, velvety with short hairs, summit with remains of the short style, base occasionally with the five-cleft calyx and a // short pedicel; endocarp, smooth, shiny, light red; one-celled, one seeded; seeds/ dark brown, smooth. Inodorous; taste acidulous and slightly astringent./

The powder is brownish-red, and, when examined under the microscope, exhibits/ irregular fragments; non-glandular hairs, more or less elliptical or ovoid or spatulate,/ about 0.15 mm. in length and from 0.045 to 0.08 mm. in width, filled with a pink or/ red cell sap in which occasionally occur red-shaped crystals; glandular hairs with a / short one-celled stalk and multicellular head, from 0.045 to 0.075 mm. in length;/ fragments of endosperm numerous; fragments of endocarp showing very small stone/ cells with irregularly thickened walls, readily determined by the use of aniline sul-/phate T. S. and sulphuric acid; fragments of embryo with rather small cells containing/ a fixed oil; occasional reddish colored fragments of epidermis and underlying spiral/ tracheae of the mesocarp/

Mix 1 Gm. of powdered *Rhus Glabra* with 10 mls of hot water, shake the mixture/ occasionally until cold, filter, and allow the filtrate to evaporate spontaneously in a/ watch crystal; numerous, feather-shaped crystals separate which polarize light/ strongly with a distinct play of colors./

Rhus Glabra yields not more than 4 percent of ash./

Average Dose - Metric, 1 Gm. - Apoth., 15 grains.

1820-1910

Summary of Data of U. S. P. ~~IX~~ and N. F. 1V.

Rhus Glabrum

Official in '20, '30, N. Y., '30, Phila., '40, '50, '60, '70, '80, '90, '00, and in N. F. 1V.

Official Latin Titles.

Rhus Glabrum. - '20, '30 Phila., '40, '50, '60, '70.
Rhi Glabrae Baccae. - '30 N. Y.
Rhus Glabra. - '80, '90, '00. N. F. 1V.

Official English Titles.

Sumach. - '20, '30 Phila., '40, '50, '60, '70.
Sumach Berries. - '30 N. Y.
Rhus Glabrum. - '80.
Rhus Glabra. - '90, '00, and N. F. 1V.

Official Abbreviation.

Rhus Glab. - N. F. 1V.

Official Synonyms.

Sumac Berries. - N. F. 1V.

Botanical Name.

Rhus Glabrum. - '80, '50, '60, '70.
Rhus glabra Linne. - '80, '90, '00, N. F. 1V.

Family.

Terebinthaceae, Anacardiaceae. - '80.
Anacardiaceae. - '90, '00, N. F. 1V.

Part Used.

The berries. - '20, '30 Phila., '30 N. Y.
The fruit. - '40, '50, '60, '70, '80, '90.

Description. - '80, '90, '00, N. F. 1V.

Sub-globular, about one-eighth of an inch (3 millimeters) in diameter, drupa/ceous, crimson, densely hairy, containing a roundish-oblong, smooth putamen. It is inodorous, and its taste acidulous. '80.

Approved W. O. Richtmann.

Asst. Prof. of Pharmacognosy.