

BIBLIOGRAPHY OF  
COPTIS TRIFOLIA SALISBURY

By

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SCHOOL OF PHARMACY

A Thesis Presented for the Degree of  
GRADUATE IN PHARMACY

University of Wisconsin

1928

Linne, C.

1751.

*Helleborus Trifolius.*

Amoen. Acad., V. 2, p. 356, t. 4, f. 18. (Med. Botany, Barton, V. 2, p. 97; Wildenow, Linne Species Plant., V. 2, p. 1338; Oeder, Flora Danica, V. 9, p. 3; N. Repert. f. Pharm., V.21, p. 242.)

Gives a brief description of the plant, with a cut.

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Linne, C.

1753.

*Helleborus Trifolius.*

Species Plantarum, 1 ed., V. 1, p. 558. (William's Med. Bot. of Mass., p. 874 of Trans. of Am. Med. Assoc., 1849; Barton, Med. Bot., V. 2, p. 97; Clapp, Med. Plants U.S., p. 36; Rafinesque, Med. Flora, p. 127; Linne, Species Plant., 1 ed., V. 1, p. 558.)

Gives a brief description of the plant, a synonym, and its habitat.

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Lepechin, I.

1771.

(*Coptis Trifolia*).

Iter., V. 1, p. 190, -- Ger. Transl. V. 1, p. \_\_. (Med. Botany, Barton, V. 2, p. 97; Wildenow, Linne Sp. Plant., V. 2, p. 1338).

The original was not available.

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Oeder, G.C.

1771.

*Anemone Groenlandica.*

Flora Danica, V. 4, t. 1556. (Barton, Med. Botany, V. 2, p. 97;

Bently and Tremen, Med. Plants, V. 1, p. 3; Rafinesque, Med. Flora, p. 127; Flora Danica, V. 9, p. 3; N. Repert. f. Pharm, V. 21, p. 242.)

Gives a colored illustration, and, on page 5, gives the name with a brief description and habitat, according to the index volume, page 287.

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Kalm. P.

1772.

(*Coptis Trifolia*).

Travels in N. Am., ed. 2, V. 3, p. 379. (Barton, Med. Bot., V. 2, p. 97; Rafinesque, Med. Flora, V. 2, p. 212; Wildenow, Linne Species Plant., V. 2, p. 1338; N. Repert. f. Pharm., V. 21, p. 242.)

The original was not available.

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Palla, P.S.

1776.

(*Coptis Trifolia*).

Iter. (Russia) V. 3, p. 34; Germ. Transl. V. 3. p. 34. (Barton, Med. Botany, V. 2, p. 97; Rafinesque, Med. Flora, p. 127; Wildenow, Linne Sp. Plant., V. 2, p. 1338.)

The original was not available.

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Houttuyn. M.

1781.

(*Helleborus Trifolius*).

Linne Sp. Psl. Syst., V. 7, p. 376. (Wildenow, Linne Sp. Plant, V. 2, p. 1338; N. Repert. f. Pharm., V. 21, p. 242.)

The original was not available.

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Pallas, P. S.

1784.

(Coptis Trifolia).

Flora Rossica, etc., V. 1, pt. 1, t. 10. (Bently and Trimen, Med. Plants, V. 1, p. 3.)

Gives a colored illustration of the plant.

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Cutler, M.

1785.

Nigella - (Coptis Trifolia).

Amer. Acad., V. 1, p. 457; Lloyd Libr. Bull. Reprod. Ser. (Med. Botany, Barton, V. 2, p.97).

Gives the common name, synonym, brief botanical description, properties and uses of Goldthread.

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Cutler, M.

1785.

Goldenthread or Mouth Root.

Veg. Prod. growing in this (N. Eng.) part of Am.

Proc. Am. Acad. Arts and Sci., p. 457; (Bull. Lloyd Libr. Rep. ser. No. 4, p. 457--1903).

Uses Linne sexual system of classification; gives detailed botanical description, habitat, time of flowering, and medicinal value of the plant, Goldthread.

---

Bohmer, G.R.

1794.

(Coptis).

Technische Geschichte der Pflanzen. V. 2, p. 237. ( N. Repert. f. Pharm., V. 21, p. 242.)

The original was not available.

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Willdenow, C.

1799.

*Helleborus Trifolius.*

Linne's Species Plantarum, V. 2, p. 1338. (Med. Botany, Barton, V. 2, p. 97; Pursh, Flora Am. Sept., V. 2, p. 390).

Gives the scientific synonymy, (six) references, German common name, habitat and a brief description of *Coptis*.

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Michaux, A.

1803.

*Coptis Trifolia.*

Flora Boreali Amer., V. 1, p. 325. (Med. Botany, Barton, V. 2, p. 97; Clapp, Med. Plants U.S., p. 36; Rafinesque, Med. Flora, p. 127.)

Gives in latin a detailed botanical description and the habitat of Goldthread.

---

Salisbury, R.A.

1807.

*Coptis Trifolia.*

Transl. Linnean Society London, V. 8, p. 305. (Med. Botany, Barton, V. 2, p. 97; Tschisch, Hdbk.d. Phkog. V. 3, p. 674; Bently and Trimen, Med. Plants., V. 1, p. 3; Pursh, Flora Am. Sept., V. 2, p. 390; Am. Dispens., 7 ed., p. 233; Rafinesque, Med. Flora, p. 127; Griffeth, Med. Bot., p. 87; Oeder, Flora Danica, V. 9, p. 3; N. Repert. f. Pharm. V. 21, p. 242.)

Gives a description of the plant under the above name.

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Barton, B.S.

1812.

*Helleborus Trifolius*

Cullen's Treatise of the Mat. Med., V. 2, p. 57. (Lloyd's Drugs and Med. of N. Am., V. 1, p. 210; Rafinesque, Med. Flora, p. 127.)

This article states that *Helleborus Trifolius* belongs to the order Ranunculaceae, states its property as a bitter, and the part of *Coptis* that is used.

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Rafinesque, C.S.

(1813.)

*Chrysa borealis*.

Desvaux Jour. Bot., V. 2, p. 170; New York Medic. Reposit. 2, Hexad. V. 5, p. 350. (N. Repert. f. Pharm., V. 21, p. 242.)

Describes Goldthread under the above scientific name.

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Thatcher, J

1813.

*Coptis Trifolia*.

Am. New Dispens. , 2 ed., p. 230; *ibid.* 3 ed., p. 235; *ibid.*, 4 ed., p. 200. (Lloyd's Drugs and Med. of N. Am., V. 1, p. 210; Clapp, Med. Plants U.S., p. 36; Rafinesque, Med. Flora, P. 127; Barton, Med. Bot. V. 2, p. 97.)

Gives a popular description, synonym and part used, habitat and uses of Goldthread.

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Bigelow, J.

1814.

*Helleborus (Coptis)*

Florula Bost., 1 ed., p. 134, plt. 5. (Med. Botany, Barton, V. 2, p. 97; Pharmacopie Universelle, Jourdan, V. 1, p. 605; ibid., 2 ed., p. 543; Bently and Trimen, Med. Plants, V. 1, p. 3; N. Repert. f. Pharm., V. 21, p.242.)

Gives the scientific name and common name, popular description, time of flowering, properties and uses of Goldthread.

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Pursh, F.

1816.

*Coptis Trifolia*.

Flora Am., Rept., V. 2, p. 390. (Med Botany, Barton, V. 2, p. 97; Clapp, Med Plants of U.S., p. 36; Rafinesque, Med. Flora, p. 127.)

Gives references, habitat, time of flowering, short description, and a colored plate for Goldthread.

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Bigelow J.

1817.

(*Coptis Trifolia*).

Am. Med. Bot., V. 1, p. 60; (Am. New Dispens, 4 ed., p. 200; Nat. Dispens., 2 ed., p. 464; Med. Bot., Barton, U. 2, p. 97; Clapp, Med. Plants U.S., p. 36; Griffeth, Med. Bot., p. 87; Lloyd, Drugs and Med. of N. Am., V. 1, p. 205; Rafinesque, Med. Flora, p. 127; Wood and Bache, U.S. Dispens., ed. 7., p. 274.)

The original was not available.

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Ewell, J.

1817.

Mouth Root or Golden Thread.

Med. Companion, 3 ed., p. 561; *ibid.*, 7 ed., p. 694. (Lloyd's Drugs and Med. N. Am., V. 1, p. 210.)

Gives the latin name, habitat, popular description, time of flowering, color of roots, and medicinal properties and uses of *Coptis*.

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Barton, W.P.C.

1818.

*Coptis Trifolia*.

Veg. Mat. Med. or Med. Botany, V. 2, p. 97. (U.S. Dispens. 3 ed., p. 252; Lect. on Mat. Med. and Bot., Barton, W.P.C., V. 2, p. 118; Clapp, Med. Plants U.S., p. 36; Bently and Trimen, Med. Plants, V. 1, p. 3; Griffeth, Med. Bot., p. 87; Wood, G.B. and Bache, F., U.S. Dispens., 7 ed., p. 274.)

Gives synonyms, plate, references, classification, botanical description, part used, latin description, english description, and medicinal properties of Goldthread.

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Coxe, J.R.

1818.

*Coptis Trifolia*.

Am. Dispens., 4 ed., p. 378; *ibid.*, 6 ed., p. 227; (Lloyd's Drugs and Med. of N. Am., V. 1, p. 210.)

Gives the latin synonym, common names, part used, habitat, description, properties and uses of Goldthread.

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Dyckman, J.

1818.

(*Coptis Trifolia*).

Edinburg Dispens., p. 249. (Med. Botany, Barton, V. 2, p. 97.)

The original was not available.

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Oeder, G.C.

1818.

*Coptis Trifolia*.

Flora Danica, V. 9, t. 1519.

Gives a colored illustration of the plant and some of its parts; and on page 3, gives three scientific names with descriptions for each, with references and habitat.

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Hand, W.M.

1820.

(*Coptis Trifolia*).

House Surgeon and Physician, 2 ed., p. 211. (Lloyd's Drugs and Med. of N. Am. V. 1, p. 210.)

The original was not available.

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Bigelow, J.

1822.

*Coptis*.

Treatise of Mat. Med., intended as a Sequel to the U.S.P. p. 148. (Lloyd's Drugs and Med. of N. Am., V. 1, p. 210.)

Gives the common name, popular description, solvents, medicinal properties, dose and a preparation of Goldthread.

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Zollickoffer, W.

1826.

*Coptis Trifolia*.

Mat. Med. of the U.S., p. 105. (Lloyd's Drugs and Med. of N. Am., V. 1, p. 210.)

Gives scientific name, common name, botanical classification, part used, habitat, common description and uses of Goldthread.

---

American Physician.

1827.

*Coptis Trifolia.*

Eclectic Dispens. p. 302.

Gives a brief description, habitat, and medicinal dose of Goldthread.

---

Barton, W.P.C.

1827.

*Coptis Trifolia.*

Outlines of Lect. on Mat. Med. and Bot., V. 11, p. 118.

(Lloyd's Drugs and Med. of N. Am., V. 1, p. 210; Rafinesque, med. Flora, p. 127.)

Gives synonyms, part used, properties and uses, dose and preparations, and a reference for Goldthread.

---

Coxe, J.R.

1827.

*Coptis.*

Am. Dispens. 7 ed., p. 233. (Lloyd's Drug and Med. of N. Am. V. 1, p. 210; Rafinesque, Med. Flora, p. 127.)

Gives the scientific name, common name, part used, botanical classification, habitat, description, properties, uses and dose of Goldthread.

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Rafinesque, C.S.

1828.

*Coptis Trifolia.*

Med. Flora, or Man. of Med. Bot. of U.S. of N. Am., V. 1, pp. 127-266. (Lloyd's Drugs and Med. of N. Am., V. 1, p. 210; Clapp, Med. Plants U.S., p. 36; Griffeth, Med. Bot., p. 87.)

Gives an illustration, english, french, german, official, vulgar names and synonyms, references, botanical description, common description, properties, uses, and substitutes for Goldthread.

---

Edwards, H.M. and Vavasseur, P.

1829.

*Coptis Trifolia.*

Man. of Mat. Med. and Pharm., p. 150. (Lloyd's Drugs and Med. of N. Am., V. 1, p. 210.)

The original was not available.

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Rafinesque, C.S.

1830.

*Coptis Trifolia.*

Med. Flora, or Man. of Med. Bot. of U.S. of N. Am., V. 2, p. 212. (Lloyd's Drugs and Med. of N. Am., V. 1, p. 210.)

Gives the uses of, and a reference to Goldthread.

---

Smith, E.

1830.

(*Coptis Trifolia*).

The Botanic Physician, etc., p. 461. (Lloyd's Drugs and Med. of N. Am., V. 1, p. 210.)

The original was not available.

---

Howard, H.

1832.

*Coptis Trifolia*.

Improved System of Bot. Med., V. 2, p. 310. (and other ed.)  
(Lloyd's Drugs and Med of N. Am., V. 1, p. 210.)

Gives common names, description of plant, habitat, and medicinal properties and uses of Goldthread.

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Jourdan, A.J.L.

1832.

*Coptis*.

Pharmacopie Universelle, V. 1, p. 605; *ibid.*, 2 ed., p. 543.  
(Lloyd's Drugs and Med. of N. Am., V. 1, p. 210.)

Gives two scientific names, three common names, official in three Pharmacopolas, brief description, habitat, part used, color and taste, and a reference to Goldthread.

---

Barton, W.P.C.

1833.

(*Coptis Trifolia*).

Prodrome of a work to aid the Teaching of the Veg. Mat. Med., p. 75. (Lloyd's Drugs and Med. of N. Am., V. 1, p. 210.)

The original was not available.

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Beach, W.

1833.

(*Coptis Trifolia*).

Am. Practise of Med., V. 3, p. 64. (Lloyd's Drugs and Med. of N. Am., V. 1, p. 210.)

The original was not available.

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Griffeth, R.E.

1834.

On the Vegetable Tonics of U.S.

Am. Jour. Pharm. V. 2, p. 285.

The above article mentions *Coptis Trifolia* with regard to a few of its medicinal properties.

---

Wood, G.B. and Bache, F.

1834.

*Coptis* U.S. Secondary.

U.S. Dispens., 2 ed., p.262; *ibid.*, 3 ed., p. 252; *ibid.*, 4 ed., p. 259; *ibid.*, 5 ed., p. 274; *ibid.*, 10 ed., p. 290; (Pharm. Jour. V. 30, p. 161; Lloyd's Drugs and Med. of N. Am., V. 1, p. 210; Clapp, Med. Plants of U.S., p. 36.)

Gives the U.S.P. description, general characteristics, references, popular description, habitat, commercial product, and medicinal properties and uses of Goldthread.

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Kosleltzky, V.F.

(1835.)

(*Coptis*)

Allgemeine Medicin.- pharmac., Flora, etc., V. 5, p. 1684.

The original was not available.

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Sanborn, P.E.

1835.

(*Coptis Trifolia*).

Medical Bot., p. 53. (Lloyd's Drugs and Med. of N. Am., V. 1, p. 210.)

The original was not available.

Lindley, J.

1838.

Coptis.

Flora Medica, p. 8. (Lloyd's Drugs and Med of N. Am., V. 1, p. 210; Clapp, Med. Plants U.S., p.36.)

Gives a detailed botanical description, scientific classification, habitat, popular description, and medicinal properties and uses of Goldthread.

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Mattson, M.

1841.

Coptis Trifolia.

Am. Veg. Practice, V. 1, p. 271. (Lloyd's Drugs and Med. of N. Am., V. 1, p. 210.)

Gives a synonyms, the part used, habitat, description of the plant, properties and uses of Goldthread.

---

Thomson, S.

1841.

Coptis Trifolia.

Thompsonian Mat. Med., 13 ed., p. 705, p. 622. (Lloyd's Drugs and Med. of N. Am., V. 1, p. 210.)

Gives a synonym, medicinal properties and uses, description of part used, and general description of the plant Goldthread.

---

Worthy, A.N.

1842.

(Coptis Trifolia).

A Treatise on Botanic Theory and Practice of Med., p. 584.  
(Lloyd's Drugs and Med. of N. Am., V. 1, p. 210.)

The original was not available.

---

Dunglison, R. 1843.

(Coptis Trifolia.)

Gen. Therapeutics and Mat. Med., 2 ed., V. 2, p. 39. (Lloyd's  
Drugs and Med. of N. Am., V. 1, p. 210.)

The original was not available.

---

Sanborn, P.E. 1844.

(Coptis Trifolia).

The Sick Man's Friend, p. 49. (Lloyd's Drugs and Med. of  
N. Am., V.1, p. 210.)

The original was not available.

---

Periera, J. 1846.

(Coptis Trifolia).

Elements of Mat. Med. and Therapeutics, 2 Am. ed., V. 2,  
p. 759. (Lloyd's Drugs and Med. of N. Am., V. 1, p. 210;  
Clapp, Med. Plants U. S., p. 36.)

The original was not available.

---

Biggs, -- 1847.

(Coptis Trifolia).

The Botanics Medical Refer. Book, p. 566. (Lloyd's Drugs  
and Med. of N. Am. V. 1, p. 210.)

The original was not available.

---

Griffeth R.E. 1847.

Coptis. Salisbury.

Med. Bot., p. 87. (Clapp, Med. Plants U.S., p. 36.)

Gives an illustration, a botanical description of the flower, a short history of the classification, habitat, referencēs, common names, description, and medical uses of the plant, Goldthread.

---

Gray, A.

1848.

*Coptis trifolia.*

Bot. of N.U.S., p. 3.-

Gives the family classification, and a detailed botanical description of Goldthread.

---

Lee, C.A.

1848.

*Coptis Trifolia.*

Catalogue of Med. Plants Growing in St. of N.Y., p. 4.

(Lloyd's Drugs and Med. of N. Am., V. 1, p. 210; Clapp, Med. Plants U. S., p. 36.)

Gives a description, habitat, medicinal properties and uses, and dose of the drug and tincture of the plant Goldthread.

---

Mayne, J.

1848.

(*Coptis Trifolia*).

A Dispens. and Therap. Remembrancer, p. 264.- Rev. by Griffith. (Lloyd's Drugs and Med. of N. Am., V. 1, p. 210.)

The original was not available.

---

Wilkins, C. M.

1848.

*Coptis Trifolia*.

Thesis- Phil. C. Pharm. (Am. Jour. Pharm. V. 20, p. 152.)

The original was not available.

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Darlington, W.

1849.

*Coptis Trifolia*.

Memoirs Bartram and Marshall p. 18.

Gives and account of Jane Colden's Connection with  
*Coptis Trifolia*.

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Gray, A.

1849.

*Coptis Trifolia*.

Genera of Plants of U.S. V. 1, p. 12, plt. 13. (Tschirch,  
Hdbk. d. Phkog. V. 3, p. 674; Clapp, Med. plants of U.S.,  
p. 36; Med. Plants, Bently and Trimen, V. 1, p. 3.)

Gives a plate, and a detailed botanical description of  
Goldthread.

---

Williams, S.W.

1849.

*Coptis Trifolia*.

Trans. of Am. Med. As. 1849, p. 874.

Gives synonyms, reference, and medicinal properties of  
Goldthread.

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Clapp, A.

1850.

*Coptis Trifolia.*

Synopsis of Med. Plants of U.S., p. 36, of Report of Am. Med. Assoc., 1850-1851. (Lloyd's Drugs and Med. of N. Am., V. 1, p. 210.)

Gives references, habitat, medical references, Pharmacopoeas official in, and medicinal properties of Goldthread.

---

King J.

1852.

*Coptis Trifolia.*

Eclectic Dispens., ed. 1, p. 139. (Lloyd's Drugs and Med. of N. Am., V. 1, p. 210.)

Gives the latin name and synonyms, natural order and sexual system, part used, history, including the habitat, time of flowering, description and chemical properties, medicinal properties, uses, dose, and preparation of Goldthread.

---

Scheaf, J.F.

1853.

*Coptis Trifolia.*

Thesis- Phil. C. Pharm. (Am. Jour. Pharm., 25, p. 277.)

The original was not available.

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Perira, J.

1854.

*Coptis Trifoliata*- Golden Trhead.

Per. Mat. Med., V. 2, p. 1095. (Clapp, Med. Plants of U.S., p. 36.)

Gives the general and specific characteristics of the plant, the habitat, part used, properties and uses, preparations, and dose of *Coptis*.

---

Siddall, P.H.

1856.

*Coptis Trifolia.*

Thesis- Phil. C. Pharm. (Am. Jour. Pharm., 28, p. 274.)

The original was not available.

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Mitchell, T.D.

1857.

(*Coptis Trifolia.*)

Mat. Med. and Therapeutics, p. 385. (Lloyd's Drugs and Med. of N. Am., V. 1, p. 211.)

The original was not available.

---

Kost, J.

1858.

*Coptis.*

Mat. Med. and Therapeutics, p. 625.

Gives the part used, synonyms, botanical classification, general characteristics, detailed description, habitat, therapeutic properties, use, dose, and one illustration of Goldthread.

---

Kost, J.

1859.

*Coptis Trifolia.*

Domestic Medicine, p. 531. (Lloyd's Drugs and Med. of N. Am., V. 1, p. 211).

The original was not available.

---

Bates J. and Tilden, H.A.

1860.

*Coptis Trifolia.*

Jour. Mat. Med., V. 2, p. 88.

Gives the latin names, natural order, synonyms, habitats, comparison with related plants, description chemical composition and physical characters, therapeutic properties and uses, and preparations of Goldthread.

---

Bolton, J.H.

1860.

*Coptis Trifolia.*

Thesis- Maryland C. Pharm. (Am. Jour. Pharm., 32, p. 283.)

The original was not available.

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Maisch J.M.

1862.

Ueber die Medicinische Flora in der Nahe von Phil.

Buchner's N. Reperit. of Pharm., 11, p. \_\_\_\_\_. (Am. Jour. Pharm., 35, p. 97; Buchmers N. Reperit f. Pharm., 21, p. 244.)

States that *Coptis trifolia* Salisb. contains the alkaloid Berberine or an alkaloid analagous to Berberine.

---

Rosenthal, D.A.

1862.

(*Coptis*).

Synopsis Plant. diaphor., p. 612. (N. Reperit. f. Pharm., V. 21, p. 242.)

The original was not available.

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Mayer F.F.

1863.

Note on the Proximate Principles of Some Berberidaceae and Ranunculaceae.

Am. Jour. Pharm., 35, p. 97. (U.S. Dispens., 12 ed., p. 326;  
Proc. Am. Pharm. Assoc., 11, p. 71; Nat. Dispens., 5 ed.,  
p. 541; Lloyd's Drugs and Med. of N. Am., V. 1, p. 211;  
Pharm. Jour., 30, p. 161.)

The above article mentions the alkaloidal constituents of  
Goldthread.

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King, J. 1864.

Coptis Trifolia. (Dreiblattridge Coptis). Goldthread.  
Am. Dispens., 6 ed., p. 346; *ibid.*, 8 ed., p. 294; *ibid.*,  
10 ed., p. 294.

Gives the description, history, medicinal properties and  
uses, and the official preparation of Goldthread.

---

Hollembaek, H. 1865.

Coptis Trifolia.  
Am. Electric Mat. Med., p. 123.

Gives the family, common names, an illustration, des-  
cription, history and habitat, medicinal properties and uses,  
and directions for the preparation of an Infusion of Goldthread.

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Potter, O. F. 1865.

(Coptis Trifolia).  
Jour. Mat. Med., V. 7, p. 58.

The original was not available.

---

Wood, G.B. and Bache, F.

1865.

*Coptis* U.S.

U.S. Dispens., 12 ed., p. 326; *ibid.*, 13 ed., p. 336.

Gives the U.S.P. description, general characteristics, references, popular description, habitat, commercial product, alkaloidal contents, and medicinal properties and uses of Goldthread.

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Periera, J.

1866.

*Coptis Trifolia*.

Mat. Med. and Therapeutics, p. 870.

Gives a drawing, synonym, general characteristics, specific characteristics, habitat, the part used and a description, therapeutics, preparations and dose of Goldthread.

---

Bates J. and Tilden H.A.

1868.

*Coptis Trifolia*.

Jour. Mat. Med., V. 7, pp. 58 and 176. (Drugs and Med. of N. Am., Lloyd, V. 1, p. 211.)

The original was not available.

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Carson, J.

1868.

(*Coptis Trifolia*.)

Illus. Med. Bot., pl. 4, p. 4. (Clapp, Med. Plants U.S., p. 36.)

The original was not available.

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Simes, S.

1869.

*Coptis Trifolia.*

Thesis- P. C. P. (Am. Jour. Pharm., 39, p. 277.)

The original was not available.

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Cooke, M.C.

1870.

Goldthread.

Pharm. Jour., V. 30, p. 161. (Drugs and Med. of N. Am.,

Lloyd, V. 1 p. 211.)

Gives the scientific name, habitat, part official, physical properties, alkaloidal constituents, reference, properties and uses, and a short comparison of *Coptis trifolia* to *Coptis teeta*, the Asiatic species.

---

Bates J. and Tilden H. A.

1870.

Remarks on the Nat. Order of Plants.

Jour. Mat. Med. 9, p. 363.

Gives the general properties of the Ranunculaceae family, and mention that *Coptis*, or Goldthread is a pure tonic bitter.

---

Buchner, A.

1872.

*Coptis Trifolia.*

Neues Repertorium fur die pharmacie, V. 21, p. 242. (Drugs and Med. of N. Am., V. 1, p. 211.)

Gives an account of the growing of Goldthread in Germany with botanical synonymy and chemical constituents, with references.

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Gross, E. Z. 1873.

Analysis of *Coptis Trifolia*, Salisb.-Goldthread.

Am. Jour. Pharm., V. 45, p. 193. (Am. Pharm. Assoc. V. 21, p. 232; Nat. Dispens., 5 ed., p. 541; Tschirch, Hdbk. d. Phkog., V. 3, p. 674.)

The above article gives a complete chemical analysis of Goldthread, as made by the author.

---

Swerigen, H. 1873.

*Coptis Trifolia*.

Pharmaceutical Lexicon, p. 143. (Drugs and Med. of N. Am., V. 1, p. 211.)

Gives a synonym, habitat and pharmaceutical use of Goldthread.

---

Wood, Wm. and Co. 1873.

(*Coptis Trifolia*).

New Remedies, p. 153. (Drugs and Med. of N. Am., V. 1, p. 211.)

The original was not available.

---

Yokoussai, L. 1874.

(*Coptis Trifolia*).

Siebold and Zucearini, Si- Mokou- Zoussets. (Herbaceous Plants of Japan.) V. 10, p. 38. (Drugs and Med. of N. Am., V. 1, p. 211; Pharm. Jour., 39, p. 23.)

The original was not available.

---

Royle, J.F. 1876.

(Coptis).

Manual Mat. Med. and Therap., p. 246. (Clapp, Med. plants U.S., p. 36.)

The original was not available.

---

Buchanan, J. and Siggins, J.J. 1878.

(Coptis Trifolia).

Disp. and Pharm. of N.-Am. and G. Br., p. 123. (Drugs and Med. of N. Am., V. 1, p. 211.)

The original was not available.

---

Dymock, W. 1878.

Coptis in Notes on Indian Drugs.

Pharm. Jour. V. 37, p. 522. (Drugs and Med. of N. Am., V. 1, p. 211.)

This article mentions Coptis trifolia in relation with the Indiana drug, Coptis Tecta.

---

Fluckiger F.A. and Hanbury, D. 1879.

Coptis Trifolia.

Pharmacographia, p. 5. (Drugs and Med. of N. Am., Lloyd., V. 1, p. 211.)

Gives the habitat, some constituents and use of the drug.

---

Holmes, E.M. 1879.

Notes on some Jap. Drugs.

Pharm. Jour., July 12, p. 23. (Am. Pharm. Assoc., V. 28, p. 164).

Gives data on various Jap. drugs, and a very short description of the roots of *Coptis trifolia*.

---

Prescott, A.B. 1879.

Alk. of Berberidaceae.

Jour. Mat. Med., 19, p. 219.

This article mention that *Coptis trifoliatu*, of the Ranunculaceae, contains berberine with another alkaloid.

---

Stille, A. and Maisch, J. M. 1879.

*Coptis*, U.S.--Gold Thread.

Nat. Dispens., 2 ed., p. 464.

Gives references, origin, description, constituents, and medical action and uses of Goldthread.

---

Bentley, and Trimen, H. 1880.

(*Coptis Trifolia*).

Med. Plants, V. 1, p. 3. (King's Am. Dispens., 18 ed., V. 1, p. 602; Nat. Dispens., 2 ed., p. 464; Tschirch, Hdbk. d. Phkog; V. 3, p. 674.)

Gives a colored plate, references, synonyms, botanical description, habitat, official part and name, general characters and composition, medicinal properties and uses, other official species of *Coptis* and their characters and composition and medicinal properties and uses.

---

Burr, C.W.

1884.

(*Coptis Trifolia*).

Am. Jour. Pharm., 56, p. 131. (U.S. Dispens-by W.R. and S., 19 ed., p. 1459; Am. Pharm. Assoc., V. 32, p. 171.)

States that starch has been detected in the roots of *Coptis trifolia*.

---

Johnson, L.

1884.

*Coptis*.

Man. of Med. Bot. of N. Am., p. 64. (Drugs and Med. of N. Am., Lloyd, V. 1, p. 211.)

Gives the scientific and common name, botanical description habitat, parts used, constituents, preparations, and medicinal properties and uses of Goldthread.

---

Lloyd, J.R. and C.G.

1884.

*Coptis Trifolia*.

Drugs and Med. of N. Am., V. 1, p. 188. (Am. Dispens., King. 18 ed., V.1, p. 602.)

Gives two plates, one map, many illustrations, part used, botanical analysis, common names, botanical description, botanical history, geographical distribution, allied species, description of the drug, microscopical structure, commercial history, pharmacopoeial history, constituents, pharmaceutical preparations, medical history and properties, the physiological action and therapeutical uses of berberine, and pharmaceutical and medical references to *Coptis Trifolia*.

---

Oldberg, O. and Wall, O. A. 1884.

*Coptis Trifolia.*

Companion to the U.S.P. p. 372.

Gives the origin, habitat, part used, description, constituents, medicinal uses, and the dose of Goldthread.

---

Rice, C. 1884.

*Coptis Trifolia.*

A letter to J.U. and C.G. Lloyd. (Drugs and Med. of N. Am., Lloyd, V. 1, p. 188.)

Gives derivation of *Coptis trifolia* and Goldthread.

---

Schultz, J.J. 1884.

The Alkaloids of *Coptis Trifolia.*

Am. Jour. Pharm., V. 56, p. 261. (U.S. Dispens., by W. R. and S., 19 ed., p. 1459; A.P.A., V. 32, p. 171; Drugs and Med. of N. Am., Lloyd, V. 1, p. 205; Tschirch, Hdbk.d.Phkog., V. 3, p. 674.)

The above article gives a complete summary of experiments performed to show the presence of two alkaloids in Goldthread.

---

Gerard, W.R. 1885.

Bull. Torr. Bot. Club, 12, p. 72.

Comments on derivation and meaning of \_\_ by editors of Drugs and Med. of N. Am., Lloyd.

Gerard says it is of Indian origin and gives data.

---

Lloyd, J.U. and C.G.

1885.

*Coptis Trifolia.*

Drugs and Med. of N. Am. (Drugg. Circ. 29. p. 144.)

Gives a detailed article covering the part used, botanical analysis, common names, botanical description and allied species.

---

Fenner, B.

1886.

*Coptis-- Goldthread.*

Working Formulae, 2 ed., p. 427.

Gives the part used, synonym, and medicinal dose and uses of Goldthread.

---

Allison, F.F.P. and Gattinger, A.

1894.

*Coptis Trifolia. Three-leaved Goldthread.*

Med. plants of Tennessee, p. 2.

Gives a detailed botanical description, time of flowering, and the part used of the plant Goldthread.

---

Stille, A., Maisch, J.M. and Caspari, C.

1894.

*Coptis.- Gold Thread.*

Nat. Dispens., 5 ed., p. 541.

Gives references, origin, description, constituents, allied drugs, and action and uses of Goldthread.

---

King, J.

1898.

*Coptis Trifolia.*

Am. Dispens., 18 ed., V. 1, p. 602.

Gives the common names, references, botanical source, history, description, chemical composition, action, medicinal uses and dosage, and related species of Goldthread.

---

Henkel, Alice

1907.

*Coptis Trifolia:*

Am. Root Drugs, p. 34.

Gives other common names, habitat and range, description of plant, description of root, collection, prices, and uses, times when official in U.S.P., and an illustration of Goldthread.

---

Wood, H.C., Remington, J.P., and Sadtler, S.P.

1907.

*Coptis-- Goldthread*

U.S. Dispens. 19 ed., p. 1459.

Gives the habitat, popular description, references, constituents, action, medicinal dose, and related species of Goldthread.

---

Gray, A.

1908.

*Coptis Trifolia.*

New Man. of Bot. 7 ed., p. 404. (Clapp, Med. Plants of U.S., p. 36.)

Gives a synonym, a detailed botanical description and habitat of *Coptis trifolia*.

---

Holm, T.

1911.

*Coptis trifolia* (L.) Salisb.

Merck's Report, Jan. p. 4, Ser. on Med. Plants of N. Am.- 47.

Gives a synonym, description, alkaloid contents, medicinal uses, detailed botanical description, internal structure of the Vegetative organs including the rhizome, flowering scape, petiole, and leaf-blade, and thirteen figures showing the structure of the plant.

---

Newcomb, E.L.

1915.

*Coptis*.

Proc. Min. Pharm. Assoc. 31, p. 102; Am. Jour. Pharm., 87, p. 114. (Dig. of Comm. U.S.P. - 1915, p. 235; Yrbk. Am. Pharm. Assoc. 4, p. 95.)

States the ash content of Goldthread.

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Anonymous.

1916.

*Coptis*, N.F.

Nat. Assoc. Ret. Drugg. Jour. V. 22, p. 215. (Dig. Comm. U.S.P. - 1915-'16, p. 176.)

Gives the habitat, botanical name, family name, and synonyms, cultivation, collection, price, and yield, and mentions the alkaloidal constituents of Goldthread.

---

Tschirch, A.

1923.

*Rhizoma Coptidis*.

Hdbk. d. Phkog. V. 3, p. 674.

Gives habitat, **synonyms**, references and alkaloidal constituents of Coptis.

Miller, D.

(Coptis Trifolia.)

\_\_\_\_\_, \_\_\_\_ p. \_\_\_\_ (Drugs and Med. of N. Am.,

Lloyd, V. 1, p. 188.)

The original was not available.

UNITED STATES PHARMACOPOEIA- (1-X)<sup>6</sup>

(1820-1920)

NATIONAL FORMULARY (1-V)

(1888-1926)

HISTORY OF

COPTIS TRIFOLIA LINNE



U.S.P. 1860 P. p. 26

Coptis Goldthread

The root of *Coptis trifolia*.

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U.S.P. 1870 P. p. 28

Coptis Goldthread

*Coptis trifolia*.

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N.F. Ed. IV. p. 287

Coptis

Coptis

Goldthread

The dried plant of *Coptis trifolia* (Linne) Salisbury

(Fam. *Ranunculaceae*.)

In loose matted masses consisting of long, much branched rhizomes and their small roots, together with the leaves. Rhizomes orange or golden-yellow; leaves evergreen, long and slenderly petioled, trifoliate, the segments broadly obvate-cuneate, crenately lobed and toothed with sharp-pointed teeth, prominently veined, smooth, coriaceous, dark green and shining but often drying to a dull brownish hue; flowers, if present, small, solitary, terminating slender scapes, sepals five to seven, oblong, obtuse, deciduous; petals five to six, pale yellow, small club shaped; stamens numerous. Odor faint; taste purely bitter without astringency.

The powdered drug is yellowish-green and, when examined under the microscope, exhibits numerous, mostly simple, starch grains, somewhat rounded, up to 0.007 mm. in diameter; fragments of leaf epidermis, composed of cells with wavy vertical walls and broadly elliptical stomata, the latter up to 0.024 mm. in length; fragments of the nerved scales from the nodes, composed of cells with yellow walls; leaf parenchyma cells containing chloroplastids; few simple, thick-walled hairs from the midrib of the leaf, from 0.035 to 0.075 mm. in length; elongated, epidermal cells from the roots having yellow walls and filled with reddish contents; fragments of epidermal and sub-epidermal cells from the rhizome similar to those from the root, but without reddish contents, often filled with a yellowish content; groups of elongated parenchyma cells about 0.06 mm. in lengths and about 0.01 mm. in width, many being filled with starch grains; tracheae with bordered pores or spiral markings, about 0.02 mm. in width; narrow thin-walled, porous sclerenchyma fibers

Coptis yields not more than 8 per cent of ash.

Average Dose-- Metric, 2 Grams; Apothecaries, 30 grains./

N.F. Ed. V. p. 312

Coptis

Coptis

Goldthread

Coptis is the dried plant of *Coptis trifolia* (Linne) Salisbury (Fam./ Ranunculaceae)/

Coptis contains not more than 3 per cent of foreign organic matter./

Description and physical properties.

Unground Coptis: In loose, matted masses consisting of long, much branched/ rhizomes and small roots, together with the leaves; rhizomes orange or golden/ yellow; leaves ever-green, long and slenderly petioled, trifoliate, the segments/ broadly obovate-cuneate, crenately lobed and toothed with sharp-pointed teeth,/ prominently veined, smooth, coriaceous, dark green and shining but often drying/ to a dull brownish hue; flowers, if present, small, solitary, terminating slender/ scapes; sepals 5 to 7, oblong, obtuse, deciduous; petals 5 to 6, pale yellow, small,/ club-shaped; stamens numerous.

Odor faint, taste purely bitter without/ astringency./

Powdered Coptis: Yellowish green; exhibits numerous, mostly simple, starch/ grains, somewhat rounded, up to 0.007 mm. in diameter; fragments of leaf epi/dermis, composed of cells with wavy vertical walls and broadly elliptical stomate,/ the latter up to 0.024 mm. long; fragments of the nerved scales from the

nodes, / composed of cells with yellow walls; leaf parenchyma cells containing chloro/plastids; few simple, thick-walled hairs from the midrib of the leaf, from 0.035/ to 0.075 mm. long; elongated, epidermal cells from the roots having yellow walls/ and filled with reddish contents; fragments of epidermal and sub-dpidermal/ cells from the rhizome, similar to those from the root, but without reddish con-/ tents, though often with yellowish contents; groups of elongated parenchyma/ cells about 0.060 mm. long and about 0.010 mm. wide, many of the cells being/ filled with starch grains; tracheae about 0.020 mm. wide; with bordered pores/ or spiral markings; narrow, thin-walled porous fibers.

Preparation: Fluidextractum Coptis.

Average dose: Metric, 2 Gm. -- Apothecaries, 30 grains.

Summary of Data of U.S.P. 1820-1920

and N.F. 1888-1926

Coptis

Official in U.S.P. 1820, '30(Phil.), '30(N.Y.), '40, '50, '60  
'70; N.F. IV,V.

Official Latin Titles

Coptis, U.S.P. 1820, '30(Phil.), '40, '50, '60, '70.

N.F. IV,V.

Coptis Trifoliae Radix, U.S.P. 1830, (N.Y.)

Official English Titles

Goldthread, U.S.P. 1820, '30(Phil.), '40, '50, '60, '70.

Gold-thread Root, U.S.P. 1830, (N.Y.)

Coptis, N.F. IV,V.

Official Synonym

Goldthread, N.F. IV, V.

Family

Ranunculaceae, N.F. IV,V.

Part used

Radix. The root. U.S.P. 1820, '30 (Phil.),

(Root) U.S.P. 1830 (N.Y.)

The root. U.S.P. 1840, '50, '60

(Whole plant) U.S.P. 1870.

The dried plant, N.F. IV, V.

Description

U.S.P. 1830 (N.Y.) p. 30

N.F. IV. p. 287; V, p. 312

Medical Operation

U.S.P. 1830 (N.Y.)

Official Preparation

N.F. V.

Dose

N.F. IV, V.

Alphabetical List of Journals

- |     |                                        |           |
|-----|----------------------------------------|-----------|
| 1.  | Am. Drugg., V. 13-20.                  | 1884-1892 |
| 2.  | Am. Drugg., and Pharm. Rec., V. 21-74. | 1892-1926 |
| 3.  | Am. Jour. Pharm., V. 1-99.             | 1829-1927 |
| 4.  | Drugg. Circ., V. 1-70.                 | 1857-1926 |
| 5.  | Digest Comm. on U.S.P.                 | 1905-1922 |
| 6.  | Jour. Am. Pharm. Assoc.                | 1911-1926 |
| 7.  | Jour. Mat. Med. V. 1-19.               | 1859-1879 |
| 8.  | New Remedies, V. 5-12.                 | 1877-1883 |
| 9.  | Proc. Am. Pharm. Assoc.                | 1851-1911 |
| 10. | Year Book of Am. Pharm. Assoc.         | 1912-1926 |

Dispensatories

1. Am. Physician- Eclectic Dispens., 1 ed., 1827.
2. Coxe, J.R.- Am. Dispens. 1 ed., 1806; 4 ed., 1818;  
6 ed., 1825; 7 ed., 1827.
3. Elwell, J.- Med. Companion, 3 ed., 1817; 7 ed., 1827.
4. King, J. & (Newton, R.S.) Eclectic Dispens. 1 ed., 1852.
5. King, J. Am. Dispens. 6 ed., 8 ed., 10 ed., 15 ed.,  
V. 2; 18 ed., V. 1.
6. Stille, A. & Maisch, J. -- Nat. Dispens., 2 ed., 1879;  
3 ed., 1884; 5 ed., 1894.
7. Thatcher J., Am. New Dispens. 2 ed., 1813, 4 ed., 1821.
8. Wood, G.B., & Bache, F.- U.S. Dispens., ed., 2-7 inc. ;  
ed., 9--10, inc.; ed., 12-17 inc.; ed., 19-21 inc.
9. Oldberg, O., & Wall, O.- Companion to U.S.P. 1 ed., 1884.
10. Fenner, B. - Working Formulae, 2 ed., 1886.

Approved by W. O. Richtmann

Assoc. Prof. of Pharmacognosy