

C Y P R I P E D I U M

by

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SCHOOL OF PHARMACY

A Thesis Submitted for the Degree  
of  
Graduate in Pharmacy.

UNIVERSITY OF WISCONSIN

1 9 2 3

Catesby, M.

1730

Cypripedium.

A natural history of Carolina & Florida, etc. v. 1, p. 58."  
Forster Flora Am. Septen., p. 40."

Catesby gives a figure of the plant with a discription.

Charleroi, P. X.

1744

Le Sabot de la Vurge.

Hist. et Déscrip. Gen. de la Nour Evana, v. 2, p. 21."

Describes the plant (white & purple flower) & flower.  
Compares its appearance with other plants and gives a figure of the flowering plant; names, Calceolus, Marianus Canadensis.

Forster, J. H.

1771

Cypripedium Calce.

Flora Am. Septen., or a catalogue of the plants of No. Am., etc. p. 40."  
Catelb. i. p. 58."

The author tabulates data for each drug as follows:

Limeon name, - Cypripedium Calceolus.  
English " , - Lady's Slipper.  
Place, - Virginia & Canada.  
Author, - \_\_\_\_\_.  
Observations, - Catesh. v.40, p. 55.

Cutler, M.

1785

Cypripedium.

An account of some of the Vegetable Production naturally growing in this part of the country.

Trans. Am. Acad. Arts & Sceince 1785, p. \_\_\_."  
Bull. Lloyd Library of Bot. Pharm. and Materia Medica No. 7, Repr. 4, p. 486."

The author describes the Lady's Slipper as having, "red petals, nectorium, flesh colored with dark red veins, growing in moist shady places." He also says that the plant was used to a wide extent among the Indians for decorating their hair. They called it the Moccasin Flower.

Curtis, \_.\_.

1792

Cypripedium.

Botanical Magazine, v. \_ p. \_."
Native Flowers and Shrubs, U. S., v. 1, Ser. 2, p. 62."

The editor says, "We have not figured the present species of Cypripedium so much on account of their beauty and their rarity, for they are far less handsome than any other species that we are acquainted with."

Michaux, A.

1803

Cypripedium Acuale.

Flora Boreoli Americana, v. 1, p. 100."
Med. Plants U. S., p. 197."

The author gives a breif technical description of the plant and its habitat as that of Virginia.

Willdenow, C. F.

1805

Cypripedium Pubescens.

Species Plantorium, v. 4, p. 142."
U. S. Dispens., 13 ed. p. 359."
U. S. Dispens., 14 ed. p. 373."
U. S. Dispens., 15 ed. p. 515."

The author gives a detailed botanical description of Cypripedium Pubescens.

Pursh, F.

1814

Cypripedium Acuale.

Flora Am. Septen., p. \_."
Med. Plants, U. S., p. 197."

Original article not available.

Barton, W. P. C.

1818

Cypripedium Florescens & Acaule.

Comp. Fla. Phila., v. 2, p. 145."

Gives a brief technical description of the genus (Nuttall) and the two species (Willdenow), botanical synonyms of each, popular descriptions and local habitats.

Barton, W. P. C.

1820

Cypripedium.

Flora No. Am. v.3, tab. 83."  
Clapp's Report on Med. Bot. p. 197."

The original article was not available.

Rafinesque, C. S.

1828

Cypripedium.

Med. Flora, v. 1, p. 145."  
Millspaugh's Med. Plants, v. 2, p. 170."  
Med. Plants of U. S., p. 196."

The author gives theropentic properties of the different species of Cypripedium, together with their theropentic uses, and the dose.

Stevens, R. P.

1835

Cypripedium.

N. Y. Journ. Med., v. 4, p. 359."  
U. S. Dispens. 13 ed. p. 359."  
U. S. Dispens. 10 ed. p. 1325."  
U. S. Dispens. 12 ed. p. 347."  
U. S. Dispens. 14 ed. p. 373."  
U. S. Dispens. 15 ed. p. 514."

The author briefly compares the theropentic action of the following species of Cypripedium:

- Spectobile.
- Acaule.
- Parviflorum.

Loudon, J. C.

1836

Cypripedium.

An encyclopedia of Plants, p. 766."

The author indicates the origin of the word "Lady Slipper." He also mentions that the plant is hard to propagate.

Darlington, W.

1837

Cypripedium Acaule.

Flora Cestrica or Plants of Chester County Pa., 2 ed."  
Med. Plants of U. S., p. 197."

The author gives a detailed botanical description of *Cypripedium Acuale* and *Pubescens*, together with the habitat and some common names of each.

Biglow, J.

1840

*Cypripedium Acuale*.

Florula Bostaniensis, A Collection of Plants of Boston and its vicinity., 2nd. ed. p. 350."  
Med. Plants U. S., p. 197."

The author gives the synonyms, common names, botanical description of *Cypripedium Acuale*, *Parviflorum*, *Spectabile*, *Arietinum*.

Buchner, L. A.

1843

*Herba Cypripedii guta dii Sw.*

Buchner's Reportorium, S. 2, v. 32, p. 126."  
Constatt's Jahers-bericht der Pharmacie, p. 131."

The author gives the family name, habitat, and tells of the properties the people of Siberia ascribe to it.

Torrey, J.

1843

*Cypripedium Acuale*.

A Flora of the State of New York, v. 2, p. 286."  
Med. Plants U. S., p. 197."  
Millsbaugh's Am. Med. Plants, v. 2, p. 41."

The author gives a full description of *Cypripedium* together with remarks on their economical and medicinal properties.

Griffith, R. E.

1847

*Cypripedium Pubescens*.

Med. Bot., p. 640."  
Med. Plants U. S., p. 197."  
Trans. Am. Med. Assoc., 2 ed. p. 835."  
Millsbaugh's Am. Med. Plts., v. 2, p. 41."

Original article not available for abstracting.

Gray, A.

1848

Cypripedium.

A Manual of Bot. No. U. S., p. 478."  
Med. Plants U. S., p. 197."

The author gives a brief description, the habitat and common name for Cypripedium, Pubescens, Parviflorum, Candidum, spectabile, Acaule, and Arietinum.

Gray, A.

1848

Cypripedium Pubescens.

Maw. Bot. No. U. S., p. 477."  
Med. Plants of U. S., p. 196."  
Am. Journ. Pharm., v. 44, p. 194."

Gives the habitat of Cypripedium Pubescens.

Lee, C. A.

1848

Cypripedium Pubescens.

Cat. of Med. Plants, v. \_\_, p. 56."  
Med. Plants of U. S., p. 197."

The author gives the medicinal properties and uses of Cypripedium Pubescens and states that Cypripedium Spectabile and Acaule has the same properties.

Lee, C. A.

1848

Cypripedium.

A Catalogue of the Medicinal Plants, Indignous and Exotic, growing in the State of N. Y., etc., p. 56."

The author catalogues Cypripedium Pubescens, Spectabile and Acaule, as appearing in N. Y.

Biglow, J. M.

1849

Cypripedium.

List of Med. Plants of Ohio not embraced in Wood and Bache's Dispensatory, v. \_\_, p. \_\_."  
Med. Plants U. S., p. 197."

The original article is not available.

Bigelow, J. M.

1849

Cypripedium.

List. Med. Plants of Ohio, p. \_."

Clapp's Report on Med. Bot., p. 196."

The original article was not available.

Porcher, F. P.

1849

Cypripedium Pubescens.

Trans. Am. Med. Assoc., v. 2, p. 677."

Med. Plants of U. S., p. 197."

The author states that he has been able to localize species of Cypripedium growing near Charleston, South Carolina.

Porcher, F. P.

1849

Cypripedium Pubescens.

Trans. Am. Med. Assoc., v. 3, p. 835."

Clapp's Report on Med. Bot., p. 196."

The author gives the common names, early domestic and Indian uses in brief, and the dose, in a report on the pre-igenous plants of South Carolina.

Williams, S. W.

1849

On the indigenous Medical Botany of Massacheussets.

Trans. Am. Med. Assoc., v. 2, p. 906."

Millspaugh Am. Med. Plants, v.2, p. 41."

The author discusses a species Cypripedium Luteum and Humile, in regard to common names, habitat, method of preperation, preservation, medicinal properties, part used, etc. He merely mentions Cypripedium Spectabile and its synonym.

Swartz, \_ . \_ .

Cypripedium Pubescens.

Clapp's Med. Plants U. S., p. 196."

Millspaugh's Am. Med. Plants, v.2, p. 41."

The author gives common names, habitat, references with colored illustrations and references to medicinal properties. He also gives a brief description of the medicinal properties of Cypripedium Pubescens, Spectabile, Acaule.

Darlington, W.

1853

*Cypripedium Pubescens.*

Flora Cestricea, 3 ed. p. 316."  
Am. Journ. Pharm. v. 44, p. 194."

The author states that *Cypripedium Pubescens* was frequent in Chester County, Pennsylvania, about twenty years ago (1830 about) but has become practically extinct.

Darlington, W.

1853

*Cypripedium Pubescens.*

Flora Cestricea, ed. p. 514."  
U. S. Dispens. 13 ed. p. 359."  
U. S. Dispens. 12 ed. p. 348."  
U. S. Dispens. 14 ed. p. 373."

In addition to describing the plant the author also gives its habitat.

Wood, G. B. & Bache, F.

1854

*Cypripedium Parviflorum.*

U. S. Dispens., 10 ed. p. 1325."

The authors give the habitat plant, its medicinal uses and properties, common and scientific names, and compare the following species as to their medicinal properties: *Parviflorum*, *Spectabile*, *Acaule*, *Pubescens* and *Humile*.

Cleveland, C. H.

1855

Scutellarine and *Cypripedine*.

N. Jersey Med. Reporter, v. 8, p. 119."  
Catalogue of Surgeon General's Library, S. 1, v. 3, p. 573."

The original was not available for abstractin.

Porcher, F. P.

1863

*Cypripedium.*

Resources of Southern Fields & Forrests, p. 603."  
Am. Journ. Pharm., v. 44, p. 194,"  
Millsbaugh Am. Med. Plants, v. 2, p. 41."

The author says that *Cypripedium Pubescens* occurs near Newborn, Pennsylvania.

King, J.

1864

*Cypripedium Pubescens*.

Am. Dispen., 6 ed. p. 374."

The drug is considered under the following heads: Scientific and Common Names, detailed botanical description, medicinal properties and uses, dosage; and the official preparations of the following species of *Cypripedium*: *Spectabile*, *Acaule*, *Candidium*, and *Arietinum*.

Hale, E. M.

1864

*Cypripedium Pubescens*.

New Remedies, p. 143."

New Remedies, 2 ed. p. 291. (1867)."

The author gives a detailed account of the properties and uses of the drug from the standpoint of homeopathy. There are eight varieties of *Cypripedium* indigenous to America, but the one mentioned above is the one used the most.

Wood, W. B. & Bache, F.

1865

*Cypripedium*.

U. S. Dispens., 12 ed. p. 347."

The authors give a botanical description of the plant, its scientific and common names, botanical classification, habitat, and a detailed description of *Cypripedium Pubescens* together with its properties and medicinal uses.

King, J.

1866

*Cypripedium*.

Am. Dispens., \_\_\_ ed. p. 375."

Millspaugh Am. Med. Plants, v.2, p. 41."

The author treats the root of *Cypripedium* on the following heads:- Botanical Description, History, Properties and uses, Active Principle and Official Preparations. He also describes the flower characters of the following species of *Cypripedium*:- *Spectabile*, *Acaule*, *Candidium*, and *Arietinum*.

Blair, H. C.

1866

Cypridium Pubescens.

- Nat. Dispens., 2 ed. p. 495."
- Nat. Dispens., 3 ed. p. 538."
- Nat. Dispens., 5 ed. p. 574."
- U. S. Dispens., 13 ed. p. 359."
- U. S. Dispens., 14 ed. p. 374."
- U. S. Dispens., 15 ed. p. 515."
- U. S. Dispens., 19 ed. p. 419."
- Am. Dispens., 10 ed. p. 320."
- King's Am. Dispens., 18 ed. 3 rev., v. 1, p. 643."
- Proc. Am. Pharm. Assoc., v. 15, p. 189."
- Millspaugh's Med. Plants, v. 2, p. 170."
- Am. Journ. Pharm., v. 38, p. 494."

The author found and gives nine constituents of Cypridium Pubescens.

Fluckiger, F. A.

1867

Polygala Senega.

- Schweiz Wchschi of Ph. U. Chem., p. 392."
- Jahresbericht fur Pharmacie, p. 933."
- Jahresbericht uber die Fortschritte der Pharmacognosie, v. 7, p. 160."

The author defines Cypridium as an adulterant of Senega.

Fluchiger, F. A.

1868

Cypridium Parviflorum.

- Jahresb. uber die Fortschritte der Pharmacognosie, v.7, p. 160."

Gives a detailed examination and description of Cypridium Pubescens.

Bates, J.

1869

Cypridium Pubescens.

- Journ. Nat. Med., v. 8, p. 225."

The author gives the common names, habitat, popular name, generic character, specific character, part used, medicinal properties, history and use. He gives a paragraph on each different type of disease for which Cypridium may be used, quoting several authorities.

King, J.

1870

Cypripedium.

Am. Dispens., \_\_\_ ed. p. 319."  
Millspaugh Am. Med. Plants, v.2, p. 41."

The original article was not available.

Scudder, J. M.

1870

Cypripedium Pubescens.

Eclectic Med. Jour., v. 30, p. 57."

The author gives the medicinal properties and most common uses of the drug, making several brief comments on its limitations and advantages.

Wood, G. B. & Bache, F.

1870

Cypripedium.

U. S. Dispens., 13 ed. p. 358."

The authors give a brief description of the plant, its scientific and common names, and medicinal properties and uses.

Maish, J. M.

1872

On the Botanical Origin of the Commercial Root  
of Cypripedium.

Am. Journ. Pharm., v. 44, p. 297."  
U. S. Dispens., 14 ed. p. 373."  
U. S. Dispens., 15 ed. p. 515."  
U. S. Dispens., 119<sup>th</sup> ed. p. 420."  
Proc. Am. Pharm. Assoc., v. 21, p. 479."  
Yahresbericht uber die Fortschritte der Pharmacognosie, v. 7,  
p. 159.

The author distinguished between Cypripedium Pubescens and Cypripedium Parviflorum, by giving botanical descriptions of each. He also mentions that Cypripedium Spectabile and arietinum are used commercially.

Pallock, A.

1873

Lady's Slipper.

A Botanical Index, p. 88."

The author gives the scientific name for Lady's Slipper as Cypripedium Pubescens. He also lists a number of plants for which the term "Lady's Slipper" was sometimes used.

Pallock, A.

1873

Moccasin Root.

A Botanical Index, p. 95."

The author lists the species name together with the genus name of the plant.

Wiggers, A. & Husemann, A.

1873

Cypripedium Pubescens.

Yahresbericht u. d. Fortsch. d. Pharmacog., Pharm. und Toxicol., v. 7, p. 159."

The author says that the drug is now official in the U. S. P. and wishes to confirm that other roots are often substituted for the official root. He also comments on Maish's article.

Colimar, N.

1874

Cypripedium.

Cat. of Flowering Plants of the So. Penn. of Michigan with a few of the Cryptogamia, p. 39."

Cypripedium Pubescens, Parviflorum, Candidium, Spectabile, and Acuale, occur in the southern peninsula of Michigan.

Gray, A.

1874

Cypripedium Pubescens.

Man. Bot., p. 306."

Millsbaugh Am. Med. Plts., v.2, p. 41."

The author gives a description and synonym of each of the following species of cypripedium:- Arietinum, Parviflorum, Pubescens, Candidium, Hirsutum, Posserinum, and Acuale.

Maish, J. M.

1874

## Adulterated Serpentaria.

Am. Journ. Pharm., v. 46, p. 106, p. 511."  
 Jahresbericht u. d. Forsch. d. Pharmacog., etc., v. 9, p. 64."  
 Proc. Am. Pharm. Assoc., v. 21, p. 479."

The author cites a case in which the rhizome of *Cypripedium* was used to adulterate *Serpentaria*. He also gives a method of identifying such an adulteration.

Babcock, H. H.

1875

Poisoning by *Cypripedium*.

The Pharmacist, v. 8, p. 1."  
 Proc. Am. Pharm. Assoc., v. 23, p. 127."

The author states that *Cypripedium* resembles another plant very much, in its poisonous character. He also relates how he was poisoned by the plant and how he found that *Cypripedium* was poisonous, and compares its effect with that of *Rhus Toxicodendron*.

Bryan, H. N.

1875

*Cypripedium Acaule*.

Am. Journ. Pharm., v. 47, p. 54."  
 Proc. Am. Pharm. Assoc., v. 23, p. 139."  
 Yrbk. Brit. Pharm. Conf., v. 12, p. 211."

The chemical composition, action, and solubility of the constituents of *Cypripedium* with certain solvents is treated in this paper.

Wiggers, A. &amp; Husemann, A.

1875

*Aristolochia Serpentina* and *Reticulata* Nutt.

Yahresbericht u. d. Fortsch. d. Pharmacog. etc., v. 9, p. 64.

The authors give the characteristics of the rhizome of *Serpentaria* and *Cypripedium Pubescens* which will distinguish them from each other.

King, J.

1875

*Cypripedium Pubescens*.

Am. Dispens., 10 ed., p. 319."

The author gives a botanical description of the following species of *Cypripedium*:— *Pubescens*, *Spectabile*, *Acaule*, *Candidum*, and *Arietinum*. He makes a comparison of the pro-

perties, and description of *Cypripedium Spectabile* and *Acaule*. The scientific and common names, medicinal properties and uses, and the habitat of these two species are also given.

Copeland, H. E.

1876

Some Notes from H. E. Copeland.

Botanical Gazette, p. 34."

Native Flowers & Ferns of U. S., Ser. 2, v. 2, p. 124."

The author states that he has three specimen of *Cypripedium Candidum*, "with two lips each, with the expense of the sepals, of course."

Hale, E. M.

1877

*Cypripedium*.

Special Symptomatology of the New Remedies.

Millspaugh. Am. Med. Plts., v. 2, p. 41."

Original article was not available.

Rudolph, J.

1877

*Cypripedium*.

Pharm. Directory, p. 41.

The author gives the botanical, English, Pharmaceutical, and German name for the following species of *Cypripedium*:- *Acaule*, *Flavum*, and *Humile*.

Ives, E.

1879

*Cypripedium Pubescens*.

Trans. Am. Med. Assoc., 3, p. 312."

U. S. Dispens., 10 ed. p. 1325."

U. S. Dispens., 12 ed. p. 347."

U. S. Dispens., 13 ed. p. 359."

U. S. Dispens., 14 ed. p. 373."

U. S. Dispens., 15 ed. p. 514."

Am. Journ. Pharm., 23, p. 179."

Med. Plants of U. S., p. 196."

Compares the action of the following species of *Cypripedium*:- *Pubescens*, *Spectabile*, *Humile*, and *Parviflorum*.

Stille, A. & Maish, J. M.

1879

Cypripedium U. S.

Nat. Dispens., 2 ed., p. 494.

The authors give the English, common, and scientific names, the French and Greek common names, and a description of the plants of *Cypripedium Pubescens* and *parviflorum*. The botanical description of their roots, their constituents, medicinal actaion, uses, and dosage are given. This is accompanied by illustrations of the roots of those two species.

Wood, G. B. & Boche, F.

1879

Cypripedium U. S.

U. S. Dispens., 14 ed., p. 372."

Botanical description, common and scientific name of *Cypripedium* together with a description, habitat, and common names of *Cypripedium Pubescens* and *Parviflorum* are given. The authors also give the properties, medicinal uses and dosage of *Cypripedium*.

Meehan, T.

1880

Cypripedium Acaule.

Native Flowers & Ferns of U. S."

The author gives a detailed botanical description of the plant, some common names, special points of structure, pollination, attempts at cultivation, and its habitat, in connection with a colored illustration of the plant.

Meehan, T.

1880

Cypripedium Candidum.

Native Flowers & Ferns of U. S., Ser.2, v. 2, p. 121."

The author gives a botanical description, a few common names, habitat, a poem by Bryant mentioning the *White Moccasin Flower*, the significance of white flowers, special places where the flower is found. An account of the distribution of orchids is also given.

Meehan. T.

1880

Cypripedium Pubescens.

Native Flowers & Ferns of U. S., Ser. 2, v. 1, p. 73."

The author gives a botanical description of the plant. He comments on the descriptions which are given of this

species. He also compare this species with the species Calceolus of Europe, and calls attention to the rise of knowledge of plants at the present time. He also gives the habitat. The account is accompanied by a colored illustration of the flower.

Nickols, J. M.

1881

Cypripedium.

Botanical Ready Reference, p. 52."

The author gives the scientific and common names of the following species of Cypripedium: Acaule, Arientinum, Candidum, Pubescens, Flavum, and Lecitium.

Bastin, E. S.

1882

An Instance of Avatism in Cypripedium Spectabile.

Proc. Am. Pharm. Assoc., 29, p. 74."

The author discusses the evolutionary course of the Cypripedium Spectabile, giving detailed botanical descriptions and examples to illustrate the discussion. The article is accompanied by an illustration of the plant.

Beckurts, H.

1884

Orchideen.

Yahresb. u. d. Fortsch. d. Pharmacog. etc., v. 12, p. 57."

The author gives the parts of the plants of the Orchid family which are in use. Among these he gives the rhizome of Cypripedium Pubescens.

Johnson, L.

1884

Cypripedium Pubescens.

Med. Bot. of N. A., p. 266, plate 3."  
King's Am. Dispens., v. 1, p. 643."

The author gives a botanical description, common names, habitat, parts used, constituents, preparations, medicinal properties and uses, and a colored illustration of the plant.

Hedges, H. T.

1884

Cypripedium U. S.

Hedges' Polyglot Index, p. 4."

The author lists the common names of Cypripedium, English,

German, Swedish, Norwegian and Danish.

Oldberg, O. & Wall, O. A. 1884

Cypripedium U. S.

A Companion to the U. S. Pharmacopacia, p. 397."

The authors give the scientific and common names, origin, habitat, parts used, constituents, medical use, official preparations, and dose of Cypripedium.

Stille, A. & Maish, J. M. 1884

Cypripedium U. S.

Nat. Dispens., 3 ed., p. 537."

The official definition, common names in English, French and German; origin, description, constituents, medicinal action, uses, and dosage of Cypripedium are given. The description is accompanied by illustrations of Cypripedium Pubescens and Parviflorum.

Dagget, V. C. 1885

Examination of Cypripedium.

Am. Druggist, p. 129, 131."

Proc. Am. Pharm. Assoc., v. 14, p. 381."

Yrbk. Brit. Pharm. Conf., v. 23, p. 381."

The author gives the history, botany, and other facts regarding the rhizome of Cypripedium, with his method of analyzing the root and the results he obtained.

Wood, H. C., Remington, J. P., Sadtler, S. P. 1886

Cypripedium U. S.

U. S. Dispens., 15 ed., p. 514."

The authors give the official definition, scientific name, common names in English, French and German; the botanical description of Cypripedium Pubescens and Cypripedium Parviflorum, their properties, medicinal uses, official preparation, and dosage.

Beshore, E. S.

1887

*Cypripedium Parviflorum.*

Am. Journ. Pharm., 59, p. 395;  
King's Am. Dispens., 18 ed., 3 rev., v. 1, p. 643;  
Proc. Am. Pharm. Assoc., 36, p. 313;  
Yrbk. Brit. Pharm. Conf., v. 25, p. 135.

The author confirms the quantitative analysis made by H. C. Blair, and discovers and proves the absence of alkaloids.

Gray, A.

1887

*Cypripedium.*

Gray's Lessons & Manual of Bot., p. 510;  
Proc. Am. Pharm. Assoc., 35, p. 146.

The author gives a detailed botanical description and statement of the habitat of the following species of *Cypripedium*: - *Arietinum*, *Candidum*, *Parviflorum*, *Pubescens*, *Spectabile* and *Acaule*. He also gives most of the common names of these species.

Schrenk, J.

1887

*Cypripedium Pubescens.*

Am. Drugg., v. 16, p. 2;  
Proc. Am. Pharm. Assoc., 35, p. 146;  
Pharm Zeitg., v. \_\_\_, p. 139;  
Yahres, u. d. Forshcrit. d. Pharmacog., v. 22, p. 112.

The author comments on the habitat of *cypripedium* given by Maisch, and in Gray's Manual. He gives a detailed microscopic description of the epidermal structures of the plant. The cell structure is illustrated by cuts.

Van Hamel Brothers.

1889

Adulteration of Senega Root.

Chem. & Drugg., 38, p. 892;  
Urbk. Br. Pharm. Conf., v. 26, p. 129.

The author found a specimen of *Cypripedium Pubescens* in a case of Senega. He gives the characters by which he recognized it and said it probably was *Cypripedium Pubescens*.

Hurlbut, . . .

1889

Cypridium in Rhus Poisoning.

Eclic. Med. Journ., 49, p. 533.

The author describes several cases in which he used Cypridium or one of its preparations as an antidote for poisoning by Rhus.

Chesnut, V. K.

1890

Principal Poisonous Plants of the U. S.

Merck's Report, v. 8, p. 65.

This is a short description of the poisonous species of Cypridium, together with some of the symptoms and treatment on poisoning from them. Some of the common names and habitat are given. This is accompanied by an illustration of two species of Cypridium.

Fenillaux, . . .

1890

Fenillaux Falsifications de la racine de Polygala.

Journ. Pharm. et. d. Chem., v. 22, p. 13;  
Yahres. u. d. Fortschritt. d. Pharmacog. etc., 25, p. 134;  
Pharm. Zentg., 35, p. 605.

The author notes that the rhizome of Cypridium Parviflorum has been substituted for Senega root.

Millspaugh, C. F.

1892

Cypridium Pubescens.

Am. Medicinal Plants, 2, p. 170.

The author gives the synonyms, common names, description of the plant, botanical order to which it belongs, history, habitat, part used, preparation, chemical constituents, and physiological action. The account is accompanied by a full page, colored illustration of Cypridium Pubescens.

Alpers, W. C.

1894.

The Medicinal Plants of Staten Island.

Merck's Market Report & Pharm. Journ. 2, p. 173.

The author gives a short comment on the *Cypripedium Pubescens* in regard to appearance of the flower, origin of the Botanical name, its use, and that the roots and rhizomes are official. This is accompanied by an illustration of the entire plant.

Dougal, D. T.

1894

*Cypripedium Spectabile* and *Cypripedium Pubescens*.

Yahres. u. d. Pharmacie, etc., 29, p. 140;  
Minn. Bot. Studies, 1894, v. 1, p. 32;  
Chem. Zeitg. Report., 1894, No. 9.

The authors describe the symptoms of poisoning by *Cypripedium Pubescens* and *Spectabile*, describing the effect such a poisoning has on the part of the skin affected.

Casper, C. Maish, H. C. C.

1894.

*Cypripedium U. S.*

Nat. Dispens., 5 ed., p. 573.

Common names in English, French and German, the official Latin title, the definition, origin, description, constituents, medicinal action, uses, dosage and illustrations of the root of *Cypripedium Pubescens* and *Parviflorum* are given.

P.- W. F.

*Cypripedium Pubescens*.

Merck's Market Report Y Pharm. Journ., 4, p. 490.

The author gives the correct spelling of *Cypripedium* and a few of its common names.

Loive, C. B.

1896

The Making of a Herbarium.

Merck's Report, 5, p. 356.

The author mentions that *Cypripedium Acaule* flowers may be preserved by placing absorbant cotton in them.

Mac Dougal, D. T. 1896

Poisonous Influence of Various Species of *Cypripedium*.

Am. Journ. Pharm., 68, p. 218;  
King's Am. Dispens., 18 ed. 3 rev., v. 1, p. 644;  
Proc. Am. Pharm. Assoc., v. 44, p. 543.

The author points out the poisonous character of certain parts of *Cypripedium Spectabile* and *Cypripedium Pubescens*.

Flexon, C. 1897

Some Medicines of the Cree Indians of the North.

Am. Drugg Pharm. Rec., 31, p. 275;  
Yahres. u. d. Pharmacog., etc., 32 ed., p. 22.

The author states that in the days of the Indians *Cypripedium* was used for rheumatism.

Whitney, H. M. & Wall, O. A. 1897

*Cypripedium*.

Meyer Brothers' Drugg., 18, p. 169.

The authors give the common names, habitat, a botanical description of the roots and rhizomes, constituents, uses and dose.

Mac Dougal, D. T. 1897

Irritation Produced by *Cypripedium*.

Merck's Report, 6, p. 636.

The author states that several species of *Cypripedium* produce an irritation of the skin on contact with it. He quotes a Botanist, how he proved the irritant power of these species of *Cypripedium*.

Felter, H. A. & Lloyd, J. A. 1898

*Cypripedium* ( U. S. P. )

King's Am. Dispens., 18 ed., 3 rev., v. 1, p. 643.

The authors give the official definition, common names, botanical source, history, description, chemical composition, action, medicinal uses, dosage, specific indications and uses, and related species of *Cypripedium*.

Maish, J. M.

1899

*Cypripedium*.

Materia Medica, p. 124;  
Proc. Am. Pharm. Assoc., 35, p. 146.

Gives the habitat of the different species of *Cypripedium*.

Collin, M

1900

*Hydrastis Canadensis*.

Chem. & Drugg., 56, p. 834;  
Yrbk. Br. Pharm. Conf., v. 37, p. 114.

The author gives the distinguishing characteristics between the roots and rhizomes of *Hydrastis Canadensis* and *Aristolachia*, *Serpentaria*, *Stytophorum*, *Diphyllum*, and *Cypripedium Parviflorum*. He also gives wood cut illustrations.

Lyons, A. B.

1900

*Cypripedium*, L.

Plant Names, Scientific and Popular, p. 129.

The author gives the common names of the following species of *Cypripedium*: - *Acuale*, *Arietinum*, *Candidum*, *Hirsutum*, *Parviflorum*, and *Reginae*.

Lounsberry, Alice & Rowan, Mrs. E.

1901

Large Yellow Lady's Slipper.

Southern Wild Flowers and Trees, p. 73.

The authors give the physical properties of the plant, a detailed botanical description of the flower, leaves and stem. They give a botanical description, uses and habitat of *Cypripedium Parviflorum*, *Cypripedium Acuale*, *Cypripedium Reginae*. This is accompanied by a colored illustration.

"W. E. B."

1900

*Cypripedium Pubescens*.

Eclectic Med. Journ., 60, p. 645.

The author gives uses, commenting favorably upon them as to its quality, application and advantages.

Nelsin, B. E. 1902

An Analytical Scheme for the Microscopical Examination  
of Powdered Drugs.

Merch's Report, 11, p. 264.

The author gives a detailed microscopical description of  
the rhizome of *Cypripedium* U. S. P., accompanied by a drawing  
showing the details of structure.

House, H. D. 1905

*Cypripedium*.

Bull. Torrey Bot. Club, N. Y., 32, p. 374;  
Dig. Com. U. S. P., 1905, p. 160.

The author contributes some notes on the orchids in central  
New York and gives the three species of Lady's Slipper, with lip  
characters of each.

Felter, H. W. 1906

*Cypripedium*.

Eclectic Med. Journ., 66, p. 193.

The author states that *Cypripedium Pubescens* was used  
wisely by our forefathers as a remedy for nervous children and  
weak women. He also mentions a case in which it was used suc-  
cessfully in a special way.

Felter, H. W. 1906

*Cypripedium*.

Med. Journ. Cinc., 66, p. 193;  
Dig. Com. U. S. P., 1906, p. 255.

The author considers *Cypripedium Pubescens* a splendid  
remedy for weak women and nervous children.

Harvill, J. P. 1906

Modern Eclecticism.

Eclectic Med. Journ., v. 66, p. 193;  
Dig. Com. U. S. P. 1906, p. 255;  
Med. Journ. Cinc., v. 66, p. 193.

The author gives several of his special uses for *Cypriped-*  
*ium* and his reasons for using them.

Henkel, Alice. 1906

Cypripedium Hirsutum and Parviflorum.

Wild Med. Plants of U. S. Dept. Agr. Bur. Plt. Ind. Bull,  
No. 89, p. 25.

The author gives the synonym, common name, size, habitat,  
and parts official of Cypripedium Hirsutum and of Cypripedium  
Parviflorum.

Tyfe, J. W. 1906

Cypripedium.

Med. Journ. Cinc., 66, p. 321;  
Dig. Com. U. S. P., 1906, p. 225.

The author sayd Cypripedium Pubescens is used as a sedative,  
nervine, and antispasmodic.

Wood, U. C. Remington, J. P. and Sadtler, S. P. 1907

Cypripedium.

U. S. Dispens., 19 ed., p. 419.

The authors give the official definition, common names,  
botanical description of Cypripedium Parviflorum, and Cypripedium  
Hirsutum, description of their rhizomes, properties, uses, dose  
and official preparations.

Henkel, Alice. 1907

Lady's Slipper.

Am. Root Drugs, No. 107, p. 23-24;  
Bull. Bur. Plant Ind. U. S. Dept. Agric., No. 107, p. 23;  
Dig. Com. U. S. P., 1907, p. 226.

The author gives the synonym, Pharmacopacial name, common  
names, gabitat, range, botanical description, root description,  
uses, prices, and collection of Cypripedium Hirsutum and Cypri-  
pedium Parviflorum.

Jennings, O. E. 1907

Plant World.

Bull. Torrey Bot. Club Chicago, 34, p. 219;  
Dig. Com. U. S. P., 1907, p. 226.

The author presents a note on the poisonous properties of the Yellow Lady's Slipper.

Beringer, E. M.

1908

Fluid Glycerites.

Proc. Am. Pharm. Assoc., 56, p. 992;  
Dig. Com. U. S. P., 1908, p. 249.

The author outlines a formula for the fluid glycerate of *Cypripedium*.

Farwell, A. O.

1908

Adulterations and Substitutions of Crude Drugs.

Merck's Rep., 17, p. 34;  
Dig. Com. U. S. P., 1908, p. 249.

The author states that a number of species of *Cypripedium* are collected and sold for the official sort, but these can be distinguished, since they lack the odor of the official kind.

Holm, T.

1908

Medicinal Plants of North America.  
*Cypripedium Pubescens*.

Merck's Report, v. 17, p. 60-62;  
Yahres. d. Pharmacie, etc., 43, p. 57;  
Dig. Com. U. S. P., 1908, p. 249;  
Proc. Am. Pharm. Assoc., 56, p. 172.

The author describes the differences in the rhizome of *Cypripedium Pubescens* and other species of *Cypripedium*. He gives a detailed botanical description accompanied by illustrial diagrams.

1908

*Cypripedium*.

Electric. Rev., 11, p. 284;  
Dig. Com. U. S. P., 1908, p. 249.

The author asserts that *Cypripedium* is a drug well worth trial in cases of nervous insomonia.

Copp, J. A.,  
Pratt, J. H.,  
Mac Crae, T. &  
Halsy, J. T.

1909

Report of the Committee on the Revision of the  
Pharmacopæia.

Journ. Am. Med. Assoc., 53, p. 792;  
Dig. Com. U. S. P., 1909, p. 338.

The authors recommend the removal of Cypridium from the  
U. S. Pharmacopæia.

Fussel, M. H.

1909

Cypridium.

Trans. Am. Med. Assoc. Sec. Pharm. & Therop., p. 204;  
Dig. Com. U. S. P., 1910, p. 338.

The author favors the deletion of Cypridium, as it has no  
place in the Pharmacopæia.

The original article was not available.

Rusby, H. H.

1909

The Federal Law and the U. S. P.

Pharm. Era, 42, p. 634;  
Dig. Com. U. S. P. 1909, p. 339;  
Midl. Drug., 43, p. 690.

The author points out the errors in the description of  
Cypridium used in the U. S. P., thus allowing unofficial drugs  
to be substituted for the official drug.

Tyfe, J. W.

1909

Cypridium.

Eclectic Rev., 12, p. 144;  
Dig. Com. U. S. P., 1909, p. 339.

The author asserts that Cypridium Pubescens is an efficient  
remedy in the functional wrongs of the nervous system character-  
ized by nervousness and irritability.

The original article is not available.

Gave, E. H. 1910

Pharmacopaeal Notes and Comments.

Drug Topics, 25, p. 213;  
Dig. Com. U. S. P., 1910, p. 428;  
Merk's Report, 19, p. 346.

The author is of the opinion that *Cypripedium* has no active principles and should be dismissed from the Pharmacopaeia.

Rusby, H. H. 1910

The Federal Law and the Pharmacopaeia.

Merck's Reprt, 19, p. 135.

The author states that other species of *Cypripedium* except that of the definition of the Pharmacopaeia are used. He suggests determining the admissibility of these adulterants and forming the Pharmacopaeial definition accordingly.

Schneider, A. 1910

*Cypripedium*.

Merck's Report, 19, p. 191;  
Dig. Com. U. S. P., 1910, p. 428.

The author examines the microscopic characters of *Cypripedium*, and believes that the drug has little value.

Lloyd, J. W. & Lloyd, C. G. 1911

*Cypripedium*.

Bull. Lloyd Lib. of Bot., Pharm., & Materia Medica.  
Ser. 4 Bull. No. 18, p. 34;  
Dig. Com. U. S. P., 1911, p. 325.

The author gives the habitat, early domestic use, and its use among "Indian Doctors."

Robe, R. P. 1911

*Cypripedium*.

Hahnemann Monthly, 46, p. 399;  
Dig. Com. U. S. P., 1911, p. 326.

The author states that *Cypripedium* is indicated in case of sleeplessness of children.

Rusby, H. H.

1911

Physical Standards of the U. S. P.

Pharm. Era, 44, p. 94;  
Dig. Com. U. S. P., 1911, p. 326;  
Drug. Circ., 54, p. 616;  
Dig. Com. U. S. P. 1910, p. 428.

The author calls attention to the fact that some quantity of *Cypripedium acaule* is sold as the official product and that the quality, as compared to the official product, should be settled before incorporation of differential characters into the U. S. Pharmacopocia.

1911

*Cypripedium*.

J. Therap. & Diet., 5, p. 96;  
Dig. Com. U. S. P., 1911, p. 326.

The authors say that the use of *Cypripedium* as a medicinal plant is small and gives a few of its uses.

Swain, R. L.

1912

*Cypripedium Hisutum*.

Drug. Circ., 56, p. 64;  
Dig. Com. U. S. P., 1912, p. 257.

The author points out the relation between the plant and its common name, emphasizing that the plant is aptly adapted to its name.

Thurston & Thurston

1913

Ash and Moisture Constants of Powdered  
Vegetable Drugs.

Journ. Am. Pharm. Assoc., 2, p. 475;  
Dig. Com. U. S. P., 1913, p. 256.

Gives the total ash content of Lady's Slipper root (*Cypripedium*.)

Alderman, T. D.

1913.

Cypripedium.

Nat. Ecler. Med. Assoc. Quart., 5, p. 153;  
Dig. Com. U. S. P., 1913, p. 257.

The author recalls the value of Cypripedium in chereic  
dases, giving the symptoms briefly.

Felter, H. W.

1914

Cypripedium.

Ecler. Med. Journ., 74, p. 216.

The author said, in the same words he wrote in his article  
of the Journal in 1906, adding that several species are new in  
use and giving specific indications for the drug.

Bennet, R. R., Braithwaithe, J. O &  
Stephenson, T.

1915

Cypripedium.

Yrbk. Br. Pharm. Conf., 52, p. 301.

Gives the botanical definition of Cypripedium.

Craig, H.

1915

Cypripedium.

N. A. R. D. Journ., 20, p. 320.

The author gives the Botanical classification, synonyms,  
its habitat, Botanical description, collection, cultivation and  
the current price.

Eaton, M. E.

1915

Showy Ladie's Slipper.

Nat. Geog. Mag., 27, p. 505.

The artist presents a colored illustration of the Showy  
Ladie's Slipper (Cypripedium Reginal.)

- Grosvenor, G. H. 1915  
Showy Ladie's Slipper.  
Cypripedium Reginae.  
Nat. Geog. Mag., 27, p. 517.  
The author gives the habitat of the plant, pointing out that it secludes itself in out-of-the-way, shady places. He also gives the origin of the name of the family to which the flower belongs. The poisonous character of some species of Cypripedium is also mentioned.
- Lilly, J. K. 1916  
Cypripedium.  
Oil, Paint & Drug Rep., v. 90, no. 16, p. 46;  
Dig. Com. U. S. P., 1916, p. 178.  
The author states that one lot of Lady Slipper examined consisted of some unknown root mixed with serpentaria.
- Hammel, P. E. 1916  
Cypripedium.  
Proc. New Jersey Pharm. Assoc., 45, p. 40;  
Dig. Com. U. S. P., 1916, p. 178.  
An enumeration of the varieties of Cypripedium employed in medicine and a discussion of their therapeutic uses.
- Grosvener, G. H. 1917  
The Moccasin Flower.  
Nat. Geog. Mag., 31, p. 488.  
The author states that the Moccasin Flower (Cypripedium Acaule) is the state flower of Minnesota, and that it is the only member of the Orchid family which is a state flower. He comments on its scarcity and poor methods of propagation and pollination. A colored illustration of the Pink Moccasin flower is found on P. 502 of this issue of the Magazine.

Farwell, O. A. 1917

Botanical Nomenclature of the N. F. 4.

Drug. Circ., 61, p. 230;  
Dig. Com. U. S. P., 1917, p. 190.

The author says the proper botanical designation for Lady Slipper is *Fissipes Hirsuta*, (Miller) Farwell.

House, H. D. 1919

Yellow or Downy Lady's Slipper.

N. Y. Legis. Documents, 142 Ser., v. 32, no. 64, p. 66.

The author gives a description of the plant and its habitat together with a colored illustration. Pl. 31, p. 67.

House, H. D. 1919

Showy Lady's Slipper.

N. Y. Legis. Documents, 142 Ser., v. 32, No. 64, part 2, p. 65.

The author gives a description of the plant, its habitat, and comments on its beauty. A colored illustration of the plant is given on Pl. 30, p. 66.

House, H. D. 1919

Rain's Head Lady's Slipper.

N. Y. Legis. Documents, 142 Ser., v. 32, no. 64, p. 66.

A description of the plant, its habitat and a colored illustration are given. Pl. 32C, Fig. 5.

House, H. D. 1919

Small White Lady's Slipper.

N. Y. Legis. Documents, 142 Ses., v. 32, No. 64, part 2, p. 65.

The author gives a description of the plant, and its habitat, together with a colored illustration. Pl. 29, p. 66.

House, H. D.

1919

Moccasin Flower, Stemless Lady's Slipper.

N. Y. Legis. Documents, 142 Ses., v. 32, part 2, p. 68.

The author gives a description of the plant, its habitat, together with a colored illustration. Pl. 33, Fig. 6.

Darwin, \_\_. \_\_.

On the Fertilization of Orchids.

Nat. Flowers & Ferns of U. S., Ser. 2, v. 2, p. 123.

The author comments on the fertilization of the orchids. Remaining material not available.

Elliott, S.

Cypripedium Acaule.

A Sketch of the Botany of So. Carolina and Georgia, v. \_\_, p. \_\_.  
Elliott's Botany;  
Med. Plants U. S., p. 197.

Remaining material not available.

Ginelin, \_\_. \_\_.

Cypripedium.

Flora Siberica, v. 1, p. 6;  
Canstatt's Jahr. d. Pharm. v. \_\_, p. \_\_.

The author says that Cypripedium is used as a home remedy.

Remaining material not available.

Greene, \_\_. \_\_.

Cypripedium.

Am. Nataturalist, v. 3, p. \_\_.

The author says that three species of Cypripedium are found on Illinois prairies and of these the Cypripedium Candidum is one.

Mac Dougal, D. T. \_\_\_\_\_

Cypripedium.

Minn. Bot. Studies, Bull. No. 9, part 8;  
Am. Journ. Pharm., v. 68, p. 218;  
Proc. Am. Pharm. Assoc., 42, p. 620.

The author calls attention to the fact that certain parts of *Cypripedium Spectabile* and *Pubescens* are poisonous to the human skin.

Rofinesque, C. S. \_\_\_\_\_

*Cypripedium Pubescens*.

Medical Flora, or Manual of the Med. Bot. U. S., v. \_\_, p.30;  
Med. Plants U. S., p. 197.

Remaining Material not available.

Schneck, J. \_\_\_\_\_

*Cypripedium*.

Indiana Geological Survey, p. \_\_;  
Nat. Flowers & Ferns U. S., Ser. 2, v. 2, p. 123.

The author states that the *Cypripedium Candidum* and other species of *Cypripedium* are gradually disappearing from the lower Wabash region.

Schuyler, M. \_\_\_\_\_

Showy Lady's Slipper.

Field Book of Am. Wild Flowers, 22 ed. p. 96.

The author gives the botanical description and habitat of *Cypripedium Hirsutum* and *Cypripedium Acaule*.

1864

Cypripedium

U. S. Pharmacopacia, 4 Rev. p, 58.

Cypripedium Cypripedium

The root of Cypripedium Pubescens.

1873

Cypripedium.

U. S. Pharm., 5 rev., p. 57.

Cypripedium Cypripedium

The root of Cypripedium Pubescens, and of Cypripedium Parviflorum.

1882

Cypripedium.

Cypripedium.

(Lady's Slipper.)

U. S. Pharm., 6 rev., p. 90;

Willspaugh Am. Med. Plts., v. 2, p. 41.

The rhizome and rootlets of Cypripedium Pubescens Willdenow, and of Cypripedium Parviflorum Salisburg ( Nat. Ord. Orchidoceae.)

Horizontal, bent, four inches (10 cin. or less, long); about one-eighth of an inch (3 millimeters) thick; on the upper side beset with numerous, circular cup-shaped scars; closely covered below with simple wiry rootlets varying from four to twenty inches ( 10 to 50 cin.) in length; brittle, dark brown, or orange brown; fracture short, white; odor faint but heavy; taste sweetish, bitter and somewhat pungent.

Preparation: Extractum Cypripedium Fluidium.

1893

Cypripedium.

Cypripedium

U. S. Pharm., 7 rev. p, 104;

The rhizome and roots of Cypripedium Pubescens Swartz, and of Cypripedium Parviflorum Salisburg (Nat. Ord. Orchi-

daceae), of horizontal growth, bent, 10 cin., or less, long; from three to five millimeters thick; on the upper side beset with numerous, circular, with simple wiry roots varying from 10 to 15 cin. in length; brittle, dark brown, orange brown, fracture short, white; odor peculiar, heavy; taste sweetish, bitter and somewhat pungent.

Preparation: Extractum *Cypripedii Fluidium*.

1900

Cypripedium.

Cypripedium.

U. S. Pharm., 8 rev., p. 121.

The dried rhizome and roots of *Cypripedium Hirsutum* Miller (*Cypripedium Pubescens* Willdenow), or of *Cypripedium Parviflorum* Salisbury (Fam. Orchidaceae).

Rhizome of horizontal growth, curved, 3 to 10 cin. long, 2 to 6 min. thick, orange or dark brown, the upper side beset with numerous, circular, cup-shaped scars; closely covered below with simple wiry roots varying from 3 to 15 cen. in length; fracture of the rhizome short, white, that of the roots somewhat fibrous; odor distinct, heavy, valerian like; taste sweetish, bitter, and somewhat pungent.

Average dose: 1 Gm. (15 Grains.)

N. J.

1922.

Cypripedium.

Cypripedium.

U. S. P. 8.

Cypriped.

Lady Slipper Root.

Nat. Farm., 4 ed., p. 290.

The dried rhizome and roots of *Cypripedium Hirsutum* Miller, *Cypripedium Pubescens* Willdenow, or of *Cypripedium Parviflorum* Salisbury (Fam. Orchidaceae), without the presence of more than 5 per cent. of other parts of the same plant or other foreign matter.

Average dose: 1 Gm. 15 Grains.

Approved W. O. Richtmann

asst. Prof. of Pharmacognosy.