

BIBLIOGRAPHY OF
VANILLA PLANIFOLIA
ANDREWS

By

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Physician, An Am. 1827.

Banilloes. Vanilla. Epidendron Vanilla.

Eclectic & General Dispens., p. 587.

Describe the pods as to color, physical structure, odor and uses.

Wood, G.B. & Bache, F. 1834.

Vanilla.

U.S. Dispens., 2 ed., p. 1108; U.S. Dispens., 3 ed., p. 1109; U.S. Dispens., 4 ed., p. 1182; U.S. Dispens., 5 ed., p. 1301; U.S. Dispens. 10 ed., p. 1403.

Gives the scientific name of plant, where grown, collection of the pods, curing of pods, varieties and description of varieties, as to size, shape, color, contents, uses and taste.

King, J. 1864.

Vanilla Aromatica (Gewürzhafte Vanille).

Am. Dispens., 6 ed., p. 954; Am. Dispens., 10 ed., p. 847.

Gives definition, scientific name, description, history, properties and uses.

Wood, G. B. & Bache, F. 1865.

Vanilla, U.S.

U.S. Dispens., 12 ed., p. 849.

Definition, various varieties, doubt as to which variety the aromatic fruit is obtained, marketing of the pods, description of varieties as to shape, size, color, contents, odor, taste, medical properties, uses and official preparation.

Wood, G.B. & Bache, F. 1870.

Vanilla, U.S.

U.S. Dispens., 13 ed., p. 882.

Definition, various varieties, general description of plant and pod, where grown, doubts of which variety the commercial vanilla is derived from, length or duration of fruit bearing, marketing of pods, their properties (physical) analysis of vanilla, formation of crystals, discovery of vanillin, properties of vanillin both physical and chemical, medical properties and uses of vanilla, official preparation.

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

Vanilla, U.S. - Vanilla.

Natl. Dispens., 2 ed., p. 1506.

Definition, scientific name, origin, collection, properties, varieties, constituents, pharmaceutical uses, medical action and uses.

Wood, G.B. & Bache, F. 1879.

Vanilla, U.S.

U.S. Dispens., 14 ed., p. 920.

Gives definition, scientific names of various varieties with description of each, where grown, doubts as to which variety the commercial bean belongs, duration of fruit bearing, marketing of pods, research work by Bucholz and Vogel, further work by Goble, formation of crystals called Vanillin, properties of this compound, reactions of this compound, medicinal properties and uses and official preparation.

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

Vanilla, U.S.

Companion to U.S.P.

Lists origin, habitat, part used, description, varieties constituents, and uses of vanilla.

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

Vanilla, U.S. Vanilla.

U.S. Dispens., 15 ed., p. 1512.

Gives definition, scientific name, description of plant and pods, origin of plant, collection of pods, varieties, properties, constituents, medical properties uses and official preparation.

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

Vanilla, U.S. - Vanilla.

Natl. Dispens., 5 ed., p. 1683.

Gives definition, origin, collection, properties, varieties, constituents, pharmaceutical uses, action and uses.

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

Vanilla (U.S.P.) - Vanilla.

King's Am. Dispens., 18 ed., 3 rev., v. 2, p. 2043.

Gives definition, common name, history and botanical source, cultivation, treatment, description, commercial varieties, chem. composition, action, medical uses, dosage, and related plants.

Wood, H.C., Remington, J.P. & Sadtler, S.P. 1907.

Vanilla, U.S.

U.S. Dispens., 19 ed., p. 1323.

Gives definition, family name, description of plant, origin, varieties, collection, cultivation, properties, uses and official preparation.

Remington, J.P. and Wood, H.C.Jr. 1917.

Vanilla.

U.S. Dispens., 20 ed., p. 1657.

Definition, description of plant, cultivation, description of bean, method of drying, different varieties, poisoning uses and official preparations.

Lloyd, J.U.

1921.

Vanilla.

Pharmacopoeial Vegetable Drugs, Chemicals and Preparations with Bibliography, v. 1, p. 340.

Gives the U.S.P. history. The plant is an orchid, native of forests of Mexico, Brazil and West Indies. Description of flowers, plant and pod. Early history, various species, Fecundation of flowers in reunion, gathering, curing and commercial varieties, statistics.

Pomet, P.

1712.

Of Vanilla's.

Compleat History of Drugs, Vook VII, p. 16.

A description of vanilla pods, their taste and smell with a figure of the fruit.

Rolfe, R.A.

1808.

Vanilla planifolia.

Bot. Rep., 8, p. 538. (Am. Jour. Pharm., 67, p. 611; King's Am. Disp., 18 ed., 3 rev., 2 vol., p. 2043; Kew Bulletin for Aug. (1898) p. 169.)

Describes the plant in detail with an illustration, gives habitat.

Bucholz, C.F.

1816.

Chemische Untersuchung der Vanillenschoten (Siliqua Vanillae).

Buchner's Repert. & Pharm., v. 2, p. 253; (Am. Journ. Pharm. 13, p. 190.)

An analysis showed that vanilla contains nine different constituents.

Scheide, —.

1829.

Vanilla.

Linnoea, Oct. p. 573. (Am. Jour. Pharm. 13, p. 193; Pereira, Mat. Med., p. 371; Am. Jour. Pharm. 19, p. 317.)

Mentions three Mexican species of vanilla.

Carson, J. 1841.

Note on Vanilla.

Am. Jour. Pharm., 13, p. 190.

Gives the importance of vanilla in commerce, its origin, description, habitat, collection, varieties, analysis and uses.

Desvaux, M. 1847.

On Vanilla and its Culture.

Am. Journ. Pharm., 19, p. 317.

Describes the various varieties, methods of harvesting, habitat and culture.

Soubeiran, E. 1847.

Vanille.

Norwean Traite de Pharmacie, v. 1, p. 643. (American Journ. Pharm. 13, p. 193.)

A brief discussion of the Vanilla plant in general is given, with various methods of preparation of vanilla.

Salisbury, A. 1855.

Vanilla.

Loudon, Encyc. of Plants, p. 765. (Am. Journ. Pharm., 13, p. 193.)

A description of the plant is given together with an illustration.

1857.

Vanilla.

Am. Jour. Pharm., 29, p. 315. (Pharmacopoeial Vegetable Drugs, Chemicals and Preparations with Bibliography, v.1, p. 340.)

Importation of Vanilla, cost and duty, suggested grown in Texas and Florida are discussed.

Berg, D.C. & Schmidt, C.F.

1858-1863.

Vanilla planifolia.

Darstellung und Beschreibung Sammlicher im der Pharmacopoeia Borussica aufgeführten officinellen Geroachse, T.23 a.b. (Kasson, M.T. U.W. Thesis '23).

A colored illustration of Vanilla planifolia with data concerning the plant.

1862.

Vanille a La Reunion.

Ann. de l'ag. des colonies (Repert. de Pharm. 18, p. 451; Journ. Pharm. 34, p. 396; Proc. Am. Pharm. Assoc., 11, p. 95.)

The cultivation at Reunion is given together with the exportation.

Schroff, K.

1864.

Vanilla Aromaticum.

Allgemeine Wien. Med. Zeit. Bost. Med. & S. Journ., __, p. __. Drugg. Circ. 8, p. 11; Proc. Am. Pharm. Assoc., v. 12, p. 113.

Poisoning effects from Vanilla are given.

Müller, V.

1865.

Ueber die Cultur der Vanille in Mexico.

Mueller's Reisen in den Vereinigten Staaten, Canada und Mexico. (Vierteljahresschrift fuer Pharm. 14, p. 577; Am. Jour. Pharm., 38, p. 38; U.S. Dispens., 13 ed., p. 882; U.S. Dispens. 14 ed., p. 921.) U.S. Dispens., 15, p. 1512).

The author fully describes the varieties of vanilla, their culture, growth, curing and value in commerce.

Stokkeby, M. 1866.

Sur la Vanille.

Journ. de pharm. et de chim., S.4, 3, p. 76. (U.S. Dispens., 13 ed., p. 884; U.S. Dispens., 14 ed., p. 922; U.S. Dispens., 15 ed., p. 1514; U.S. Dispens., 19 ed., p. 1326; U.S. Dispens., 20 ed., p. 1659.)

Gives a chemical analysis of Vanilla and various properties of Vanillin.

1870.

The Production of Vanilla.

Journ. Applied Science (Lond.), __, p. __. (Am. Jour. Pharm. 46, p. 292.)

Cultivation, habitat, cost and importation of Vanilla are discussed.

Leutner, W. von 1871.

Analysis of Vanilla Beans.

Pharm. Zschr. f. Russland, __, p. __. (Jahresb. der Pharm. 32, p. 36; King's Am. Disp. 18 ed., 3 rev., 2 vol. p. 2043).

Gives a detail analysis of the bean and lists its constituents.

1872.

Vanilla Beans.

Proc. Am. Pharm. Assoc., v. 19, p. 402 & 20, p. 120.

The 1871 years supply and quality of the Vanilla beans is given in a brief note.

Flueckiger, F.A. & Hanbury, D. 1874.

Vanilla.

Pharmacographia or a History of the Principal Drugs of Vegetable Origin, 1 ed., p. 595, 2 ed., p. ____.

Gives in detail the botanical origin, history, cultivation, description, microscopic structure, chemical composition, production and commerce, uses.

Menonville, De 1874.

Vanilla.

Ph. Jour., v. 34, p. 24. (Proc. Am. Pharm. Assoc., v. 23, p. 138.)

Discusses the uncertainty of the species, cultivation varieties and method of curing.

Jackson, J.R. 1875.

Vanilla.

Pharm. Journ., 34, p. 884. (Am. Journ. Pharm. 47, p. 317; Proc. Am. Pharm. Assoc., 23, p. 139.)

Describes the varieties of Vanilla and their characteristics.

(Editor) 1877.

Vanilla.

Am. Jour. Pharm., 49, p. 375.

A description of the plant is given, also pods and various varieties mentioned with habitat. Culture and uses are also given.

Piesse, G.W.S. 1878.

Vanilla Planifolia.

New Remedies, v. 7, p. 194.

Gives illustrations, briefly discusses the cultivation, gathering and method of obtaining the perfume or essence.

Johnson, E. 1879.

Mexican Vanilla.

Drugg. Circ., v. 23, p. 75.

Brief description, mode of cultivation and curing are discussed.

Poisson, F. 1879.

The Vanilla Plant.

Popular Science Monthly, __, p. __. (Am. Jour. Pharm., 51, p. 613.)

Gives history, origin, habitat and culture of vanilla.

Poisson, F.M. 1879.

Le Vanillier.

Journ. de Pharm. et de Chem., v. 30, p. 27. (New Remedies, 8, p. 290.)

Describes the earlier history of the plant, nature and methods of preparing it.

Bentley, R. & Trimen, H. 1880.

Vanilla Planifolia, Andrews.

Medicinal Plants, 4, p. 272. (Lee, J.K. U.W. Thesis '22).

A colored illustration of Vanilla planifolia, with description of the plant and its fruit.

1880.

Consumption of Vanilla in Europe.

New Remedies, 9, p. 317.

Explains the consumption and price of Vanilla.

Sawer, J. C. 1881.

Vanilla - Origin of the Commercial Supply.

Pharm. Jour. 40, p. 773. (Proc. Am. Pharm. Assoc., 29, p. 130;

Am. Journ. Pharmacy, 53, p. 345; Pharmacopoeial Vegetable
Drugs, Chemicals & Prep. with Bibliography, 1, p. 340.)

A detailed discussion of the origin of commercial
supply of Vanilla.

1882.

Cultivation of Vanilla in Seychelles.

New Remedies 11, p. 90.

The cultivation and income from Vanilla in Seychelles
is discussed.

Charbonnier, M.

1883.

Sur Une Nouvelle Espece de Vanille.

Rep. de Phar., 11, p. 18. (Am. Jour. Pharm., 55, p. 327;
Proc. Am. Pharm. Assoc., 31, p. 106.)

A brief sketch about Guadeloupe and Bourbon Vanilla,
including variety names.

Rohler, H. & Pabst, G.

1883.

Vanilla planifolia, Andr.

Medizinal Pflanzen 1, p. 136. (Lee, J.R. U.W. Thesis '22)

A colored illustration of Vanilla planifolia with data
on the plant and fruit.

1883.

Cultivation of Vanilla in Mexico.

Oil, Paint, and Drug Rep. ____, p. _____. (New Remedies, 12, p.
276; Proc. Am. Pharm. Assoc., 32, p. 130.)

Describes the planting, cultivation and curing of
Vanilla.

1884.

Vanilla.

West. Drugg., 6, p. 290.

The earlier history of Vanilla is given briefly, together with method of propagation.

1886.

Vanilla Beans.

Drugg. Circ., 30, p. 218.

The importance and value of the vanilla bean as a flavoring agent is discussed.

Pedretto, C.B.

1888.

Vanilla Culture in Mexico.

Am. Drugg. 17, p. 68. (Proc. Am. Pharm. Assoc., 36, p. 312.)

Gives a brief description of Vanilla, its habitat, culture and curing.

Hires, C.E.

1890.

Vanilla Plant.

Am. Journ. Pharm., 62, p. 308. (Pharmacopoeial Vegetable Drugs, Chemicals and Preparations with Bibliography, v. 1, p. 340.)

Methods of harvesting the beans are given in detail.

Knowles, C.

1891.

Vanilla.

Pharm. Era, 6, p. 360.

Gives origin, production and importation of Vanilla together with a table of several places yielding it for various years.

Beringer, G.M.

1892.

Some Commercial Vanillas.

Am. Jour. Pharm. 64, p. 289. (King's Am. Disp., 18 ed., 3 rev.)

2 vol., p. 2045; Pharmacopœial Vegetable Drugs, Chemicals and Preparations with Bibliography, V.1, p. 340; Am. Drugg., 22, p. 6; Proc. Am. Pharm. Assoc., 40, p. 681.)

Gives a general discussion of the plant and its varieties with illustrations, including description, cultivation.

Hires, C.E. (Company) 1892.

The Epiphytic Character of the Vanilla Plant.

Am. Jour. Pharm., 64, p. 554. (Proc. Am. Pharm. Assoc., 41, p. 679.)

A reply to Beringer's article that *Vanilla Planifolia* is a parasite.

Tschirch, A. 1892.

Vanilla Planifolia, Andr.

Heil und Nutzpflanzer, pp. 68, 70, 71. (Lee, J.K. U.W. Thesis '22).

Colored illustrations of *Vanilla planifolia*.

1892.

Vanilla Pods - The Method of Preserving.

Am. Drugg., v. 21, p. 467. (Proc. Am. Ph. Assoc., v. 41, p. 679.)

New and old methods are given for preserving *Vanilla*.

Hires, C.E. 1893.

A Talk on Vanillas.

Am. Jour. Pharm., 65, p. 571. (King's Am. Disp., 18 ed., 3 rev., 2 vol., p. 2045; Pharmacopœial Vegetable Drugs, Chemicals and Preparations with Bibliography, V.1, p. 340; U.S. Dispens., 19 ed., p. 1324; Pharm. Era, 11, p. 83; Drugg. Circ., 38, p. 18; Am. Drug. & Pharm. Rec., 24, p. 3; Proc. Am. Pharm. Assoc., v. 42, p. 920.)

The author tells in detail of his trip to Mexico to visit the land of vanilla. The vines or plants are described with a brief history as to origin, culture, curing, marketing.

Hires, C.E. 1893.

Vanilla Beans.

Pharm. Era, v. 9, p. 132.

Gives figures for the annual crop from Mexico, also a calculation of consumption for the ensuing year.

1893.

Vanilla Cultivation in Mexico.

Revista Financiera Mexicana, __, p. __. (West. Drugg., 15, p. 440; Pharm. Journ., 53, p. 266; Board of Trade Journ., __, p. __.)

The early history, different varieties and description are given.

1893.

Mexican Vanilla.

American Grocer, __, p. __. (Am. Drugg. & Pharm. Rec., 23, p. 264; Proc. Am. Pharm. Assoc., 42, p. 920.)

The different varieties and species together with their commercial value are given.

1893.

Vanilla Cultivation in Mexico.

Chem. & Drugg., 43, p. 355. (Proc. Am. Pharm. Assoc., 42, p. 920.)

The habitat, growth and cultivation are given with reference to Mexico.

Schaefer, C. 1894.

The Vanilla Bean in Mexico.

U.S. Consular Reports, 46, p. 395. (Am. Drugg. 25, p. 395.)

Planting, gathering, curing, preparing for market and price of Vanilla are fully given.

1894.

Brazilian Vanilla.

Chem. & Drugg., 44, p. 840. (Proc. Am. Pharm. Assoc., 42, p. 920.)

Describes different Vanilla from the Amazon River territory.

Krebs, W.

1895.

Vanilla.

Pharm. Centralh., 36, pp. 487 & 503, 517. (Proc. Am. Pharm. Assoc., v. 44, p. 539.)

A lengthy paper giving interesting details respecting vanilla cultivation, collection and preparation for markets.

Rolfe, R.A.

1895.

Vanilla Species Yielding the Commercial Varieties.

Kew. Bulletin, No. 104, 169. (U.S. Dispens. 19 ed., p. 1324; Pharm. Journ., 55, p. 263; Proc. Am. Pharm. Assoc., 44, p. 541.)

The author gives the principal species of Vanillas known and characteristics of the important products.

Sawyer, H.H.

1895.

Vanilla - Parasite Infesting the Beans.

Am. Drug. & Pharm. Rec., 27, p. 109. (Proc. Am. Pharm. Assoc., 44, p. 541.)

The detection of a parasite on Vanilla beans is discussed.

1895.

The Vanilla Bean.

Scientific American, __, p. __. (Bull. Pharm., v. 9, p. 126).

A description of the vanilla plant, and the method of curing the fruit are given.

Dolabaratz, D.

1896.

Vanilla - Practical Method of Drying.

Independent Creole, p. __. (Journ. Soc. Chem. Ind., 15, p. 613; Pharm. Journ., 57, p. 406; Proc. Am. Pharm. Assoc., 45, p. 400; N. Engl. Drugg. 8, p. 882.)

Describes a "different" way of curing Vanilla beans.

Lehn & Fink

1896.

Vanilla - Improvement in Quality of Bourbon or Mauritius Variety.

Proc. Penna. Pharm. Assoc., 19, p. 128. (Proc. Am. Pharm. Assoc., 45, p. 489.)

A comparison of the above named beans with other commercial varieties.

Lloyd, J.U.

1897.

Vanilla Planifolia.

West. Drugg., 19, p. 548. (King's Am. Disp. 18 ed., 3 rev., 2 vol., p. 2645.)

Gives botanical description, early history, various pictures, cultivation, gathering, curing, commercial varieties, statistics, physiological notes and pharmacopoeial record with literature.

1897.

Vanilla.

Am. Drugg., 31, p. 214. (Pharmacopoeial Drugs, Chemicals and Preparations with Bibliography, v. 1, p. 340.)

A brief description of the pods and the price for which they sell are given.

1897.

Vanilla - Cultivation in Seychelles.

Pharm. Jour., S. 9, p. 478. (Proc. Am. Pharm. Assoc., 46, p. 786.)

The early history and cultivation of Vanilla are discussed.

Busse, H.

1898.

Vanilla.

Reports of the German Imperial Health Office, v. 15. (Apoth. Ztg. 13, p. 894; Proc. Am. Pharm. Assoc., v. 47, p. 517.)

Describes the cultivation in German East Africa, also curing is given in full.

Henning, A.

1898.

The Commerce in Vanilla.

Am. Drugg. & Pharm. Rec., 32, p. 39.

Gives in full statements concerning the prices of Vanilla, consumption and uses.

Jelliffe, S.E.

1898.

Structure of Vanilla Fruit.

Am. Drugg. & Pharm. Rec., v. 32, p. 38.

The author goes into detail as to the construction on Vanilla.

Kalish, O.

1898.

Use of Vanilla in Pharmacy.

Am. Drugg. & Pharm. Rec., v. 32, p. 40.

Its uses and preparations into which it enters in Pharmacy are discussed.

Rusby, H.H.

1898.

The Culture of the Plant (Vanilla).

Am. Drugg. & Pharm. Rec., v. 32, p. 36. (Drugg. Circ., 42, p. 35.)

Statements on the Pharmacy of Vanilla, gives source of commercial Vanilla, habits of plant, artificial pollination and how beans are cured.

Rusby, H.H., Henning, A. & Jelliffe, E.S.

1898.

Vanilla.

Merck's Rept., 7, pp. 74 & 104. (Proc. Am. Pharm. Assoc., 46, p. 786.)

Its distribution, habitat, cultivation and curing is discussed.

1898.

Vanilla.

Tropenpflanzer, 2, p. _____. (Apoth. Ztg., 13, p. 879; Proc. Am. Pharm. Assoc., 47, p. 516.)

Collection and process of curing of Vanilla are given.

1898.

Vanilla Culture (as practiced in the Seychelles Islands).

U.S. Dept. Agr., Div. Bot., Bull. 21. (U.S. Dispens., 19 ed., p. 1324; U.S. Dispens., 20 ed., p. 1657).

The bulletin fully discusses general conditions, starting a vanillery, preparing the vines for cropping, pollination of the flowers, curing the pods for market and other information and notes.

Berg, O.C. & Schmidt, C.P.

1899.

Vanilla Planifolia, Andrews.

Atlas der Officinellen Pflanzen 2 ed., 133 a-b. (J.K.Lee, U.W. Thesis '22).

A colored illustration of Vanilla planifolia with discussion of the plants.

Dietz, C.H.

1899.

Vanilla Cultivation in Mexico.

Am. Drugg. & Pharm. Rec., 35, p. 99. (Proc. Am. Pharm. Assoc., 48, p. 580.)

A description in detail, of the commerce of Vanilla, its cultivation, varieties, grades, curing, together with very interesting pictures.

Jones, A.B.

1899.

Cultivation of the Vanilla Bean in Mexico.

Pharm. Era, 21, p. 688.

Describes the planting of vine, preparing a vanilla plantation, decay and recuperation of vine, yield, price of vanilla lands, how to succeed in the industry, pollinating and harvesting and concluding remarks.

Edwards, E.H.

1900.

Vanilla - Cultivation in Ceylon.

Chem. & Drugg., 57, p. 865. (Proc. Am. Pharm. Assoc., 49, p. 667.)

The commercial aspect of the vanilla industry in Ceylon is given.

1900.

Vanilla.

Oil, Paint & Drug Reporter, __, p. __. (Bull. Pharm., 14, p. 207.)

Gives a description of the plant, its various varieties, its introduction into Europe, culture and marketing.

Preuss, P.

1901.

The Cultivation and Preservation of Vanilla in Mexico.

Am. Drugg. & Pharm. Rec., 38, p. 299.

The author describes the habitat, cultivation and marketing of the Vanilla bean.

Sawyer, J.C.

1901.

Curing of Vanilla.

Pharm. Era, 25, p. 114.

The precise details of various processes for curing vanilla fruit and preparing it for market are given.

Sawyer, J.C.

1901.

Vanilla - Different Methods of Curing.

Bull. Bot. Dept. Jamaica, 7, p. 45. (Pharm. Journ., 67, p. 87; Proc. Am. Pharm. Assoc., 49, p. 668.)

Precise details of various processes of curing vanilla and its preparations for market are given.

Delteil, A.

1902.

LaVanille - La Culture et La Preparation.

5 ed.

A book on Vanilla including most every phase of the industry and study.

Lecomte, H.

1902.

Falsification of Vanilla.

Drugg. Circ. 46, p. 103.

The author denies the necessity of crystals being

present on Vanilla pods.

Dow, J.H.

1903.

Paper on Vanilla Beans.

Proc. Vt. Pharm. Assoc., 10, p. 49. (Proc. Am. Pharm. Assoc., v. 52, p. 655.)

The source, cultivation, varieties and relative value of vanilla beans are given.

Dow, J.H.

1903.

Vanilla Beans and Vanilla Extracts.

Am. Drugg. & Pharm. Rec., 34, p. 130.

A discussion in full of Vanilla as to methods of culture, curing, consumption, character of varieties, import statistics, frauds in the vanilla bean business and the uses of.

Strasburger, E. & others

1903.

Vanilla Planifolia.

Text Book of Botany, Eng. Trans. 2 ed., p. 493, Fig. 467. (Kasson, M.T. U.W. Thesis '23).

A colored illustration of Vanilla planifolia with a discussion of the fruit.

Dow, J.H.

1904.

Vanilla Beans.

West. Drugg., 26, p. 67.

Gives in detail, the origin, method of cultivation, habit of the plant, curing, consumption and uses.

Cordemoy, De, J.

1904.

Contribution a la biologie de la Vanille.

Journ. d Agricult. Trop., 4, p. 104. (Schimmel's Rept., Oct.-Nov. 1904, p. 138; Proc. Am. Pharm. Assoc., 53, p. 622);

Just's Bot. Jahr., 33, part 3, p. 752; Digest on Com. U.S.P. & N.F. 1905, p. 286.

The conditions of Vanilla production in Reunion are reported by the author.

1904.

Vanilla - Comoro Island.

Barbados "Agricultural News", __, p. __. (Chem. & Drugg., 64, p. 188. (Proc. Am. Pharm. Assoc., 52, p. 655.)

The Vanilla industry of the Comoro Islands is discussed.

Caeser & Loretz

1905.

Fructus Vanillae.

Geschäfts-Ber. von Caeser & Loretz, in Halle a. S., p. 37. (Dig. Com. U.S.P. 1905. N.F. p. 286.)

The different commercial varieties are listed and briefly described.

Dow, J.H.

1905.

To Distinguish Between Vanilla Beans.

Canad. Drugg., 17, p. 176. (Dig. Com. U.S.P. 1905 & N.F. p. 287; Bull. of Pharm., 19, p. 79.)

The author explains ways in which the beans are fraudulently manipulated and how to detect it.

Ellis, F.R.

1905.

Vanilla - Cultivation and curing in the Seychelles.

Chem. & Drugg., 67, p. 593. (Proc. Am. Pharm. Assoc., 54, p. 731;)

The propagation, cultivation, fertilization, pollination and curing are fully discussed.

Hennings, R.

1905.

Ueber die Lage des Vanille Markets.

Der Tropenpflanzer, 9, p. 87. (Dig. Com. U.S.P. & N.F. 1905, p. 287; Just's Bot. Jahresber. 33, part 3, p. 753.)

Gives the markets of Vanilla in London and Paris, also synthetic products.

Inkersley, A.

1905.

Vanilla Culture in the Hawaiian Islands.

World To-Day, 9, p. 1012. (Exp. Sta. Rec., 17, p. 563; Dig. Com. U.S.P. 1905 & N.F., p. 287.)

The various varieties are named, and classified into rank of products, the conditions in Hawaii in regards to Vanilla also is discussed.

Lecomte, H.

1905.

L'eau dans la Vanille.

Journ. d'Agriculture tropicale, 5, p. 227, 229, 3 tab. (Just's Bot. Jahresber., 33, part 3, p. 752.)

Gives a list of various varieties of vanilla, and their importance.

1905.

Vanilla Beans.

Ann. Rep. U.S. Dept. Agric., 1905, p. 97. (Dig. Com. U.S.P. & N.F. p. 287.)

A brief note regarding the laboratory experiments of vanilla.

Howell, E.M.

1906.

The Vanilla Bean.

Pharm. Era, 35, p. 502. (Dig. Com. U.S.P. & N.F. p. 510).

A detailed discussion of what the plant really is, its habitat, and constituents.

1906.

Vanilla, in the Seychelles.

Brit. & Col. Drugg., 50, p. 195. (Dig. Com. U.S.P. & N.F. p. 511).

An official report giving in detail the condition, quality and price for the year of Vanilla in Seychelles.

Guenther, R.

1907.

African Vanilla Culture.

Am. Drugg. & Pharm. Rec., 50, p. 346.

Relates the present methods of growth of Vanilla and preparation for market in German East Africa.

Major, W.

1907.

A Process for Making Tincture of Vanilla from the Bourbon Bean.

Bull. Pharm., 21, p. 249. (Dig. Com. U.S.P. & N.F. p. 451.)

The method used to obtain the "best" product of tincture of Vanilla is outlined.

1907.

(Vanilla) Seychelles Produce.

Chem. & Drugg., v. 70, p. 935. (Dig. Com. U.S.P. & N.F., p. 451.)

Data regarding the price and importation of the 1906 crop of Vanilla are given.

Caesar & Loretz

1910.

Fructus Vanillae.

Jahres-Ber. 1910, p. 32. (Dig. Com. U.S.P. & N.F. p. 481.)

Vanilla production and commercial value is briefly stated.

Gehe & Co.

1910.

Fructus Vanillae.

Handels-Bericht, p. 70. (Dig. Com. U.S.P. & N.F. 1910, p. 481.)

The quality of the various varieties of Vanilla is given.

Heckel, E.

1910.

De l'action du froid et des anesthésiques sur les feuilles de l'*Angraecum fragrans*, et sur les gousses vertes de la Vanille.

Compt. rend., 151, p. 128. (Dig. Com. U.S.P. & N.F., 1910, p. 481.)

The author discusses the affect of chloroform and other anesthetics upon the Vanilla plant.

Iserman, S.

1910.

The Chemistry of Vanilla Beans and the Character of its Constituents in General.

West. Drugg., 32, p. 359. (Proc. Am. Pharm. Assoc., 59, p. 169; Dig. Com. U.S.P. & N.F. 1910, p. 461.)

This article discusses briefly the growing of Vanilla, and puts great stress on the Vanillin as used in commerce. Explanation of the Vanilla aroma is given, together with interesting pictures and method of extraction.

Gehe & Co.

1911.

Fructus Vanillae.

Handelsbericht, 1911, p. 79. (Dig. Com. U.S.P. & N.F.p. 481.)

The commercial values of the different commercial varieties are given.

Hartwich, C.

1911.

Fructus Vanillae.

Apoth. Ztg., 26, p. 21. (Dig. Com. U.S.P. & N.F. 1911, p. 481.)

A very brief note about vanilla pods.

Kuhl, H. 1911.

Ueber Vanille.

Suedd. Apoth. Ztg., 51, p. 772. (Dig. Com. U.S.P. & N.F. 1911, p. 481; Pharm. Zentralh. 53, p. 66.)

History, cultivation and constituents of the vanilla plant are given.

Lloyd, J.U. 1911.

Vanilla.

Bull. Lloyd Libr. Ser. Pharm., No. 4, pp. 89-90. (Dig. Com. U.S.P. & N.F. 1911, p. 481.)

The early history of Vanilla is given.

Lloyd, J.U. 1911.

Vanilla: Its History.

Am. Drugg. & Pharm. Rec., 58, p. 276. (Dig. Com. U.S.P. & N.F. 1911, p. 741; Proc. Am. Pharm. Assoc., 59, p. 69.)

The earlier history concerning the uses of Vanilla and its origin is given.

Lopex y Parra, R. 1911.

Vanilla.

Exper. Sta. Rec., 25, p. 645. (Dig. Com. U.S.P. & N.F. 1911, p. 481.)

Discusses the culture and curing of vanilla in Mexico, methods employed in other countries and improvement of native methods.

Manheimer, J. 1911.

Vanilla.

Rev. Am. Farm. y. Med. v. 15, p. 28. (Dig. Com. U.S.P. & N.F. 1911, p. 481.)

The author describes with illustrations the cultivation and artificial fecundation of Vanilla.

Miller, A.W. 1911.

Vanilla.

Proc. N.W. Drugg. Assoc. p. 87. (Dig. Com. U.S.P. & N.F. 1911, p. 481.)

Disposing of Mexican Vanilla cut beans by manufactures is discussed.

True, R.H. 1911.

Vanilla.

Proc. N.W. Drugg. Assoc., p. 171, v. 37. (Dig. Com. U.S.P. & N.F. 1911, p. 481.)

Describes an experiment to grow Vanilla plants in Florida which was not very successful.

Tunmann, O. 1911.

Fructus Vanillae.

Apoth. Ztg., 26, p. 386. (Dig. Com. U.S.P. & N.F. 1911, p. 481.)

Explains the commercial importance of Vanilla - the various varieties and their worth in different countries.

Winship, North 1911.

New Vanilla Laws in Society Islands.

Cons. & tr. Rep. Apr. 1, p. 15. (Dig. Com. U.S.P. & N.F. 1911, p. 481.)

The French governments supervision over the Vanilla industry in the above locality is described.

1911.

The Vanilla Bean.

New Idea, 33, p. 177. (Dig. Com. U.S.P. & N.F. 1911, p. 481.)

A discussion of various varieties, plant origin, picking and curing of beans, marketing and commercial aspect.

Adlung, J.

1912.

Vanille.

Apoth. Ztg., 27, p. 137. (Dig. Com. U.S.P. & N.F. 1912, p. 481).

A brief description of plant, its name and habitat.

Caesar & Loretz

1912.

Fructus Vanillae.

Jahres-Ber. p. 59. (Dig. Com. U.S.P. & N.F. 1912, p. 481).

A brief discussion of Vanilla.

Dumont, F.T.F.

1912.

Trade in Vanilla.

Cons. & Tr. Rep. July 17, p. 293. (Dig. Com. U.S.P. & N.F. 1912, p. 481.)

A brief note relating to the improvement of the trade of Vanilla.

Lackey, R.H.

1912.

Vanilla.

Proc. Penn. Pharm. Assoc., 35, p. 61. (Dig. Com. U.S.P. & N.F. 1912, p. 481.)

Effect produced in Mexico by the National Pure Food & Drug Act in the Vanilla Industry.

Ridley, H.N. 1912.

Vanilla.

Spices, pp. 23-93.

A very detail account of Vanilla, discussing in full all phases of the plant and product.

Swain, R.L. 1912.

Significance of Some Plant Names.

Drugg. Circ., 56, p. 64. (Dig. Com. U.S.P. & N.F. 1912, p.481).

Gives a brief explanation of the naming of *Vanilla planifolia*.

Weddell, A.W. 1912.

Vanilla Preparation in the Seychelles.

Cons. & Tr. Rep., Feb. 24, p. 812. (Dig. Com. U.S.P. & N.F. 1912, p. 481).

The author describes the method of preparing Vanilla beans on the plantation in the Seychelles, including sorting, scalding, drying, measuring, washing and packing.

Winton, A.L. & Berry, E.H. 1912.

Varieties of Vanilla Beans.

Bull. Bur. Chem. U.S. Dept. Agr., No. 152, p. 146. (Dig. Com. U.S.P. & N.F. 1912, p. 668.)

A brief note on the beans and their characteristics, especially as to their Vanillin content.

Canada, W.W. 1913.

Vanilla.

Cons. & Tr. Rep. Jan. 22, p. 373. (Dig. Com. U.S.P. & N.F. 1913, p. 502.)

The value of Vanilla beans exported compared with the years 1910 and 1911.

Doherty, W.M. 1913.

Vanilla.

Jour. & Proc. Roy. Soc. New South Wales, v. 47, p. 157.
(Dig. Com. U.S.P. & N.F. 1912, p. 502.)

Vanilla is briefly described, and detail methods for the determination of Vanillin are given.

Hockauf, J. 1913.

Vanilla.

Chem. Ztg., 37, p. 1203. (Dig. Com. U.S.P. & N.F. 1913, p. 502.)

The chief constituents, varieties, extraction of Vanilla are discussed.

Huisking, C.S. 1913.

Vanilla.

Proc. N.W. Drugg. Assoc., p. 104. (Dig. Com. U.S.P. & N.F. 1913, p. 502).

A very brief note regarding Mexican and Bourbon varieties and their demands.

LaWall, C.H. 1913.

Are Vanilla Beans Adulterated?

Drugg. Circ., 57, p. 384. (Dig. Com. U.S.P. & N.F. 1913, p. 502.)

Tests for identification of adulterants in Vanilla Beans are given.

Mayer, H. Sr. 1913.

World's Vanilla Crops.

Chem. & Drugg., 83, p. 31. (Dig. Com. U.S.P. & N.F. 1913, p. 502.)

Statistics for 1912 on the production of Vanilla, from all parts of the globe are given.

C.L.D.

1914.

Vanilla.

Pharm. Zeitg., p. 321. (Yrbk. Am. Pharm. Assoc., 3, p. 289).

Interesting details regarding cultivation and method of curing.

Fauchere, A.

1914.

Cultivation of Vanilla in Madagascar.

Perf. & Ess. Oil Rec., 5, p. 152. (Dig. Com. U.S.P. & N.F. 1914, p. 500.)

The importance of Vanilla, habitat, propagation, curing, culture, production and value are given.

Gehe & Co.

1914.

Fructus Vanillae.

Handelsbericht, 1914, p. 79-82. (Dig. Com. U.S.P. & N.F. 1914, p. 500.)

The different varieties are fully described and classed according to product.

Günther, D.

1914.

Fructus Vanillae.

Pharm. Zentralh., 55, p. 399. (Dig. Com. U.S.P. & N.F. 1914, p. 500.)

A brief note covering Vanilla in general.

Mawbey, W.

1914.

Vanilla Beans.

Am. Perf., 9, p. 241. (Dig. Com. U.S.P. & N.F. 1914, p. 500.)

The author gives physical description, botanical source, history and various process of curing Vanilla.

Beringer, G.M.

1915.

Vanilla.

Jour. Am. Pharm. Assoc., 4, p. 1512. (Dig. Com. U.S.P. & N.F. 1915, p. 445.)

Describes the vanilla bean, also its structure as seen through a microscope.

Boomer, J.F.

1915.

New Possible Sources of Vanilla.

Jour. Am. Med. Assoc., 65, p. 1976. (Dig. Com. U.S.P. & N.F. 1915; Natl. Dispens. 5 ed., p. 1685.)

Author discusses various methods of obtaining and growing Vanilla.

Constantin, M. et Bois M.

1915.

Sur trois types de Vanilles Commerciales de Tahiti.

Comptes. Rendus, 161, p. 196.

The author describes the quality, cultivation and description of Vanilla in Tahiti.

Holm, T.

1915.

Vanilla planifolia, Andrews.

Merck's Rep., 24, p. 212. (Dig. Com. U.S.P. & N.F. 1915, p. 445.)

A very detailed write up, including many figures, the discovery of Vanilla, interior structure of the Vegetative Organs, the stem and leaf.

Mawbey, W.

1915.

Preparing and Separating Vanilla Beans.

Drugg. Circ., 59, p. 48.

Early history of Vanilla, where the bean grows, how it

has been encouraged throughout the world, how they are seasoned and assorted for market, sun curing process, are discussed. Say that the Mexicans are the only genuine artists in Vanilla curing.

Mawbey, W.

1915.

Vanilla Beans.

Nat. Drug., 45, p. 67. (Dig. Com. U.S.P. & N.F. 1915, p. 445).

The early history, production, Mexican & Bourbon process of curing.

1915.

Mexican Vanilla Crop Assured.

Oil, Paint & Drug. Rep., 88, No. 3, p. 9. (Dig. Com. U.S.P. & N.F. 1915, p. 445.)

The chances of the production and curing of the beans being improved is discussed.

1915.

Vanilla Market Complications.

Oil, Paint & Drug. Rep., 87, Jan. 18, p. 9. (Dig. Com. U.S.P. & N.F. 1915, p. 445.)

Gives an outline of complications of growing and curing the vanilla beans in Mexico on account of political and financial conditions.

1915.

Vanilla.

Bull. Missouri Bot. Gard. v. 3, No. 8, p. 109. (Dig. Com. U.S.P. & N.F. 1915, p. 445.)

Importance of Vanilla, propagation, pollination of flowers, plates, cultivation in the Seychelles, culture and curing of pods are discussed.

Costantin, M. & Bois, M. 1916.

Les Varietes de Vanille.

Compt. rend., 163, p. 466. (Dig. Com. U.S.P. & N.F. 1916, p. 307.)

The different varieties are discussed, together with their economic importance.

Lespinasse, A. J. 1916.

Vanilla Cultivation in Mexico.

Midl. Drugg., 50, p. 22. (Dig. Com. U.S.P. & N.F. 1916, p. 307.)

The condition at the present time for the cultivation of Vanilla, yield and method of cultivation are discussed.

Rabak, F. 1916.

The Effect of Curing on the Aromatic Constituents of Vanilla Beans.

Jour. Ind. & Eng. Chem. 8, p. 815. (Dig. Com. U.S.P. & N.F. 1916, p. 307.)

The uses, methods of curing, preparations and constituents are fully discussed.

1916.

Vanilla Growing in the Seychelles.

Perf. & Ess. Oil Rec., 7, p. 17. (Dig. Com. U.S.P. & N.F. 1916, p. 307.)

An agricultural report of Seychelles, which contains interesting experiments carried out in the vanilla industry.

1916.

Production of Vanilla in the French Colonies.

Pharm. Jour., 97, p. 433. (Dig. Com. U.S.P. & N.F. 1916, p. 307.)

The extent to which Vanilla is grown in France as compared with other countries is discussed.

1916.

Vanilla.

Moniteur Sci., __, p. __. (Pharm. Journ., 97, p. 433; Yrbk. Am. Pharm. Assoc., 5, p. 224.)

Production of Vanilla in the French colonies is discussed.

Carter, J.T.

1917.

Vanilla Production in South Indian Ocean.

Comp. Rep., No. 102, May 2, p. 418. (Dig. Com. U.S.P. & N.F. 1917, p. 330.)

The production, cost and price of Vanilla in South Indian Ocean are discussed.

Schlotterback, J.O. & Dean, J.R.

1917.

Researches on Vanilla Extract.

Perf. & Ess. Oil Rec., 11, p. 240. (Dig. Com. U.S.P. & N.F. 1920, p. 401).

Gives detailed methods curing of beans to obtain highest quality extract.

Von Fellenberg, C.

1917.

Valuation of Vanilla.

Am. Perf. 11, p. 324. (Dig. Com. U.S.P. & N.F. 1917, p. 330).

The author outlines a method for the valuation of vanilla, depending on colormetric tests.

1917.

Vanilla Bean.

Perf. & Ess. Oil Rec., 8, p. 142. (Dig. Com. U.S.P. & N.F.

1917, p. 330.)

Description of the plant, its habitat, propagation, fertilizing and curing are given.

Rabak, F.

1917-18.

The Effect of Curing on the Aromatic Constituents of Vanilla Beans.

Am. Perf., 12, pp. 295, 326, 361. (Dig. Com. U.S.P. & N.F. 1917, p. 330.)

The use of the bean, constituents and laboratory experiments on curing are given.

Anon.

1918.

Vanilla.

Chem. & Drugg., 90, p. 1046. (Dig. Com. U.S.P. & N.F. 1918, p. 346.)

A very brief note on the Vanilla crop of 1916 cured and prepared in 1917 in Seychelles.

Mansfield, W.

1919.

Vanilla planifolia, Andrews.

Squibb's Atlas of Official Drugs, p. 490.

It contains black and white plates of vanilla planifolia showing the following figures:

- 1, 2, 3, 4, 5, 6 Commercial Vanilla beans
 - 7 Wild Vanilla bean
-

McClelland, T.B.

1919.

Vanilla: A Promising New Crop for Porto Rico.

Bull. Agric. Exper. Sta. Porto Rico, No. 26, p. 1. (Dig. Com. U.S.P. & N.F. 1919, p. 369.)

A booklet discussing market prospects, history of experimental planting at the station, propagation, shading, care of plantation, blossoming and pollination, picking, curing and preparation for market.

1919.

Development of Reunion's Vanilla Industry.

Commerce Reports, Oct. 10, p. 189. (Am. Jour. Pharm., 91, p. 801.)

Report of trade of vanilla in Reunion Island.

1919.

Vanilla.

Drug. & Chem. Markets 5, p. 20. (Dig. Com. U.S.P. & N.F. 1919, p. 369.)

A very brief note on the low production of Vanilla beans.

Cunningham, C.H.

1920.

Vanilla Production in Mexico.

Commerce Reports (4), Nov. 20, p. 826. (Am. Jour. Pharm., 93, p. 272; Dig. Com. U.S.P. & N.F. 1920, p. 401.)

Discusses people employed for cultivation and extraction of vanilla, conditions for growth, harvesting period, classes of Vanilla Beans, price and quantities with statistics showing value throughout the country.

Feibelman, E.A.

1920.

Production of Vanilla in the South Indian Ocean.

Commerce Reports, Mar. 19, p. 1581. (Am. Jour. Pharm. 92, p. 356.)

Statistics of Vanilla production in the above mentioned region.

Leggett, J.W.

1920.

New Ruling on Vanilla Bean Imports.

Pharm. Era, 53, p. 126.

An article relating a recent ruling about the importa-

tion of Vanilla.

Barnes, E.R.

1921.

Vanilla Beans.

Drugg. Circ., 65, p. 262. (Yrbk. Am. Pharm. Assoc., 10, p. 285.)

The production of Vanilla is discussed in detail.

Collins, H.C.

1921.

Vanilla.

Pharm. Era, 54, p. 166.

Discusses the superiority of Mexican Vanilla bean, also the curing process and commercial sale.

1921.

Vanilla Production in Mexico.

Journ. Royal Soc. Arts, 69, p. 360. (Intern. Inst. Agr. of the Sci. prac. Agri., 12, p. 1271.)

Discusses the cultivation, conditions, commercial purposes, different varieties and exports of Vanilla.

Collins, H.C.

1922.

How Vanilla is Grown in Mexico.

Pharm. Era, 55, p. 52. (Yrbk. Am. Pharm. Assoc., 11, p. 100.)

Describes the growing of the plant and how artificial pollenization may be employed. World's supply and grading of beans as to size and quality are also discussed.

Stanislaus, I.V.S.

1922.

General Survey of the Cultivation of the Vanilla Bean, and its Preparation for Commercial Use.

The Tea & Coffee Trade Jour., 42, pp. 528 & 674. (Intern.

Inst. Agr., 13, p. 838.)

The author discusses the different species, habitat, general characteristics of plant, fertilization, method of preparation and curing and chemical composition.

Valdivia, M.A.

1923.

El Cultivo de la Vainilla.

La Hacienda, 28, p. 374.

The author discusses the Vanilla plant and its origin, botanical structure, cultivation, artificial pollination, curing and production.

1924.

How the Vanilla Orchid Serves Your Household.

Garden Magazine, 39, p. 401.

A brief note on the commercial use of Vanilla, together with the propagation of the plant.

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- Barton, B.S. - Collections toward an essay on the Mat. Med. of the U.S. Part 1 & 2, 1798-1804.
- Barton, W.P.C. - Compendium Flora Philadelphicae 2 vol. 1818.
- " " " " - Vegetable Materia Medica, 2 vol. 1817.
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- Henkel, Alice - Weeds Used in Medicine, 1904.
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- Lee, C.A. - Med. Plants of N.Y. 1848.
- Lee, J.R. - Colored illustrations.

- Linnaeus, C. - Species Plantarum led. 2 vol. 1753.
- Lloyd, J.U. & C.G. - Drugs of N.Am. 2 vol. 1884-85.
- Lloyd, J.U. History of Drugs of the U.S.P. 1911.
- Pomet, P. Compleat History of Drugs, 1712.
- Porcher, E.P. - Resources of Field & Forests, 2 ed. 1869.
- Rafenesque, C.S. Med. Flora of N. Am. 3 vol. 1828-31.
- Ridley, H.N. - Spices 1912.
- Salesbury, A. - London Encyc. of Plants 1855.
- Schoepf, J.D. - Materia Medica Americana 1787.
- Smith, P. - The (Indian) Doctors Dispensatory.
- Stearns, F. - Med. Plants of Moch. 1858.
- Torrey, J. - Bot. State of N.Y. 2 vol. 1843.
- Williams, S.W. - Med. Plants of S.C. 1849.

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Am. Journ. Pharm. 1827-1925
Am. Drugg. 1884-1894
Am. Drugg. & Pharm. Rec. 1894-1924
Bull. Pharm. 1891-1924
Digest of Comments on U.S.P. & N.F. 1905-1919
Drugg. Circ. 1869-1925
Eclec. Med. Journ. 1853-1924
Journ. Am. Pharm. Assoc. 1912-1924
Journ. Mat. Med. 1866
Montreal Pharm. Journ. 1894-1923
New Eng. Drugg. 1894-1903
New Remedies 1876-1883
Oil, Paint & Drug Rep. up to 1915
Pharm. Era 1891-1923
Proc. Am. Pharm. Assoc. v. 1-59
U.S. Consular Reports 1917-1925
Western Drugg. 1884-1924
Yearbook Am. Pharm. Assoc. 1912-1922

U.S.P. (I-X) 1820-1920

and

N.F. (I-IV) 1888-1916

History

of

Vanilla

U.S.P. 1860 - p. 54.

Vanilla. Vanilla.

The prepared, unripe capsules of *Vanilla aro-/matica.*

U.S.P. 1870 - p. 54.

Vanilla. Vanilla.

The prepared, unripe fruit of *Vanilla aromatica./*

U.S.P. 1880 - p. 373.

VANILLA

Vanilla.

The fruit of *Vanilla planifolia* Andrews (nat. Ord.,
Orchidaceae)./

From six to ten inches (15 to 25 centimeters) long,
linear, narrowed and bent/or hooked at the base, rather
oblique at the apex, wrinkled, somewhat warty,/ dark brown,
glossy-leathery, one-celled, and containing a blackish-
brown pulp,/ with numerous, minute seeds, and more or less
acicular crystals; odor and taste/ peculiar, fragrant./

Preparation: Tinctura Vanillae.

U.S.P. 1890 - p. 446.

VANILLA

Vanilla.

The fruit of *Vanilla planifolia* Andrews (Nat. Ord.
Orchideae)./

From 15 to 25 cm. long, and about 8 mm. thick, linear,
narrowed and bent/ or hooked at the base, rather oblique

at the apex, wrinkled, somewhat warty, / dark brown, glossy-leathery, one celled, and containing a blackish-brown / pulp, with numerous, minute seeds, and more or less acicular crystals; odor / and taste peculiar, fragrant. /

U.S.P. 1900 - p. 497.

VANILLA

Vanilla

The cured, full grown, but immature fruit of Vanilla planifolia An-/drews (Fam. Orchidaceae).

Linear, narrowed, and bent or hooked at the rather oblique base, about 15 to / 25 cm. long and about 7 Mm. thick; externally blackish-brown, longitudinally wrinkled, glossy, frequently covered with an efflorescence of vanillin in acicular / crystals, flexible and tough, 1 celled, containing a blackish-brown pulp and / numerous minute, blackish, ovoid and flattened seeds= odor and taste characteristic and very agreeable.

Average dose - 1 Gm. (15 grains).

N.F. IV 1916 - p. 349.

VANILLA

Vanilla

(U.S.P. VIII)

Vanilla Bean

The cured, full grown, unripe fruit of Vanilla planifolia Andrews / (Fam. Orchidaceae).

Pods linear, flattened, from 15 to 35 cm. in length and from 5 to 9 mm. in breadth; summits terminating in flat circular scars; gradually tapering, more or less bent and curved or hooked at the bases, or in the Tahiti variety, broad in the middle and tapering towards either end, the base closely resembling the summit; externally blackish-brown, longitudinally wrinkled, moist-glossy; occasionally with an efflorescence of vanillin in the form of acicular crystals or monoclinic prisms; frequently with narrow, elliptical or irregular, more or less wrinkled, dark-brown patches of cork; occasionally split into three parts near the tip, flexible and tough, one-celled, containing a blackish-brown pulp and numerous blackish-brown seeds; the latter being flattened, irregularly triangulate or nearly circular in outline, reticulate and varying from 0.25 to 0.3 mm. in diameter. Odor and taste characteristic and very agreeable.

Under the microscope, transverse sections of the pods of Vanilla show an epidermis with a somewhat thickened outer cuticularized layer having occasionally rounded or conical masses of an excretion of a gum-like substance; a layer of collenchyma of one or two rows of cells; a thick sarcocarp composed of parenchyma cells in which are imbedded an interrupted circle of fibro-vascular bundles; the parenchyma cells are deeply undulate in outline and usually contain a thin protoplasmic layer enclosing numerous oily globules or

may contain bundles of raphides of calcium oxalate; the/ individual crystals varying fro, 0.2 to 0.4 mm. in length; some of the parenchyma/ cells are specially modified and distinguished by their somewhat thickened walls with/long, oblique, slit-like pores or the thickening may extend in the form of broad, spiral/ bands; in the fibro-vascular bundles the phloem is central, being more or less sur-/rounded by a few tracheae, the walls possessing slit-like pores or spiral thickenings, / and at the outside of the bundle is a closed circle of sclerenchymatous fibers, the walls/ being thin, strongly lignified, provided with numerous, transverse, simple pores, the/ outer wall of the outer row of fibres being irregular or sinuate; from the inner walls of/ the endocarp arise the placentae bearing numerous brownish-red or blackish seeds,/ and from the cells of the endocarp also arise numerous long, nearly straight hairs, the/ ends being rounded, the hairs being more or less matted together by a gummy or/ resinous mass in which some of the seeds are held; in mounts made in hydrated/ chloral T.S. or potassium hydroxide T.S., the immature, brownish-red seeds show a/ deeply reticulate seed-coat, with cells of an oblong-polygonal form in surface view./

Place a few of the crystals, occurring as an efflorescence on the fruit, on a micro-/scope slide or watch crystal and add a drop of phloroglucinol T.S. and hydrochloric/ acid; the solution immediately acquires a carmine-red color (distinction from benzoic/acid.)

The amount of extractive yielded to dilute alcohol should

not be less than 12/ per cent.

Vanilla yields not more than 6 per cent. of ash./

Summary of data. U.S.P. 1820-1920 & N.F. IV.

Name of Drug - Vanilla.

I. Official in the following:

U.S.P. 1860, '70, '80, '90, 1900, N.F.IV.

II. Official Latin Title:

1. Vanilla - 1860, '70, '80, '90, 1900, N.F. IV.

III. Official English Title:

1. Vanilla - 1860, '70, '80, '90, 1900, N.F.IV.

IV. Official Abbreviations:

1. None.

V. Official Synonyms:

1. None.

VI. Scientific Name:

1. Vanilla Aromatica 1860, '70.

2. Vanilla planifolia Andrews 1880, '90, 1900, N.F.IV.

VII. Family Name:

1. Nat. Ord. Orchideae 1880, '90.

2. Fam. Orchidaceae 1900, N.F. IV.

VIII. Part Used:

1. The prepared, unripe capsules 1860

2. The prepared, unripe fruit 1870

3. The fruit, 1880, '90

4. The cured full grown, but immature fruit, 1900

5. The cured full grown, unripe fruit, N.F.IV.

IX. Description:

(Refer to U.S.P. and N.F. official description)

X. Preparation:

1. Tincture Vanillae, 1880

XI. Average dose:

1 Gm. (15 grains), 1900.

Approved by W. O. Richtmann

Asst. Prof. of Pharmacognosy