

BIBLIOGRAPHY
OF
COCOS NUCIFERA LINNE

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Linne, C.

1753.

Cocos nucifera.

Species Plant., v. 2, p. 1188.

Lists coconut oil as above.

Warren, J.H.

(Coconut Oil).

Boston Med. & Surg. Jour., 52, p. 377. (U.S. Dispens., 11, p. 1396; Ibid., 12, p. 1500; Ibid., 13, p. 1575; Ibid., 14, p. 1625; Ibid., 15, p. 1616; Ibid., 17, p. 1600.)

(Says that coconut oil is more palatable and is less nauseating than Cod Liver Oil).

Buchner, J.A.

1827.

Beitrag zur chemischen Kenntnits der Cocosnuts.

Buchner's Repert., 26, p. 338. (Pharm. Jour., 11, p. 513; Haenlis Mag. f. Pharm., 22, p. 372.)

Discusses the chemistry of the coconut, mentioning the oil.

Bromeis, M.C.

1841.

Sur l'acide gras du beurre de cacao.

Annal. de chimie et de physique, series 3, v. 7, p. 522. (Chem. 3, p. 42.)

An account concerning the acid of coconut oil. The original article refers to cacao butter while the abstract refers to coconut oil.

Fehling, H.V.

1845.

Dass der eigenthumliche Geruch des Kokonussöles von zwei fluchtigen Fettsäuren herrührt.

Annal. der. Chem. u. Pharm., 53, p. 399. (Zeit. Unters. Nahr. u. Genusm., 40, p. 97; Buchner's Repert. d. Pharm., 5, p. 486; Am. Jour. Pharm., 29, p. 332; Jour. de pharm. et de chim. 41, p. 116.)

Gives data relative to the fatty acids remedies for the rancidity of coconut oil.

(Editor) 1846.

Detection of Cocoa-nut Oil in Soap.

Pharm. Jour., 6, p. 490.

The presence of Cocoanut oil in soap is detected by adding a few drops of sulphuric acid.

Griffith, R.E. 1847.

Cocos nucifera.

Medical Botany, p. 615.

An expressed oil is obtained from the Cocoanut plant.

Görgey, A. 1848.

Ueber die festen, flüchtigen, fetten Säuren des Cocosnussöles.

Annal. der. Chem. u. Pharm., 66, p. 290. (Zeit. f. Unters. Nahr. u. Genussm., 40, p. 97.)

Discusses the various fatty acids and the rancidity of coconut oil.

Schleiden, M.G. 1852.

Cocos nucifera L.

Handbuch der Med.-pharm. Botanik, p. 144.

Compares the coconut with other members of Palmaceae.

Hamilton, W. 1855.

On the Nutritive Properties of the Mass which Remains after the Expression of the Nuts of the Cocoa.

Pharm. Jour. 15, p. 350.

Gives data on the use of the remains of cocoanut as food for cattle.

Pettenkofer, M.

1856.

Ueber die arzneiliche Verwendung des Kokosnussöles.

Buchner's neues Repertorium d. Pharm. 5, p. 485. (Am. Jour. Pharm., 29, p. 332; U.S. Dispens., 11 ed., p. 1396; Ibid., 12 ed., p. 1500; Ibid., 13 ed., p. 1575; Ibid., 14 ed., p. 1625; Ibid., 15 ed., p. 1616; Ibid., 17 ed. p. 1600; Ibid., 19 ed., p. 1587; Ibid., 20 ed., p. 1518; Ibid., 21 ed., p. 1402; Drugg. Circ. 1, p. 105; Proc. Am. Pharm. Assoc., 6, p. 64.)

Mentions that cocoanut oil was introduced into Munich several years ago. Compares it to lard and gives formulas wherein it is substituted for lard.

(Editor)

1858.

Cocoa-nut Oil Ointments.

Drugg. Circ., 2, p. 48.

Cocoanut oil is used in ointments and gives 5 formulas.

Thompson, T.

1858.

Coconut Oil.

Clin. Lect. on Pulmonary Consumption, , p. 128. (U.S. Dispens., 11 ed., p. 1396; Ibid., 12 ed., p. 1500; Ibid., 13 ed., p. 1575; Ibid., 14 ed., p. 1625; Ibid., 15 ed., p. 1616; Ibid., 17 ed., p. 1600.)

A brief statement concerning the advantages of coconut oil over cod liver oil.

Wood, G.B. & Bache, F.

1858.

Cocoanut Oil.

U.S. Dispens., 11, p. 1396. (Ibid., 12, p. 1500; Ibid., 13, p. 1575; Ibid., 14, p. 1625; Ibid., 15, p. 1615; Ibid., 17, p. 1600; Ibid., 19, p. 1587; Ibid., 20, p. 1518; Ibid., 21, p. 1402.)

Gives a description, properties, uses and chief constituents of cocoanut oil.

Oudemans, A.C. 1860.

Untersuchung Uber die festen fetten Säuren der Cocosbutter.

Jour. f. prakt. Chem., 81, p. 367; (Lewkowitsch, J., Chem. Anal. Oils, Fats, Waxes, 4 ed., v. 2, p. 518; Ibid., 5 ed., v. 2, p. 641.)

Cocoanut oil resembles palm oil in composition.

(Editor) 1863.

Cocoanut Oil in the Hair.

Drugg. Circ., 7, p. 125.

Hair preparations contain very little if any cocoanut oil.

Newton, L.V. 1867.

Cocoa-nut Charcoal.

Drugg. Circ., 11, p. 147.

Charcoal is made from the cocoanut shell.

Jackson, J.R. 1871.

The Medicinal Properties of the Cocoa-nut.

Pharm. Jour., 31, p. 24. (Yrbk. Br. Pharm. Conf., 8, p. 104; Am. Jour. Pharm. 43, p. 371.)

Cocoanut oil has been used as a substitute for cod liver oil and it is also said to be useful in strengthening the growth of the hair.

Newton, L.V. 1873.

How to Deodorize Cocoanut Oil.

Drugg. Circ., 17, p. 144.

Tells what causes odor of cocoanut oil and also how to correct it.

Brady, H.B.

1880.

Cocoanut Oil in Ceylon.

Yrbk. Br. Pharm. Conf., 17, p. 504. (Pharm. Jour., 40, p. 260; Am. Jour. Pharm. 52, p. 523.)

The cultivation of coconuts is profitable in Ceylon and there are several oil mills there.

1881.

(Coconut Oil)

Corps Gras Industriels, , p. . (Chem. & Drugg., 23, p. 396.)

Coconut oil is adopted for use in perfumery by incorporating it with warm water and clarifying with sugar and alum.

(Editor)

1881.

The Cocoanut as a Remedy for Tape Worm.

Drugg. Circ., 25, p. 55.

The cocoanut, divided in small pieces, grated and eaten, has been used successfully by Dr. Martiali as a remedy for tape worm when followed with a dose of castor oil.

Wood, G.B. & Bache, F.

1883.

Cocoanut Oil.

U.S. Dispens., 15, p. 978. (Ibid., 17, p. 903; Ibid., 19, p. 807; Ibid., 20, p. 725; Ibid., 21, p. 725.)

Cocoanut oil from *Cocos nucifera* is a fat of vegetable origin. Gives synonyms.

(Editor)

1884.

Coco-Nut Oil Hair Dressing.

Drugg. Circ., 28, p. 24.

Gives a formula for a hair dressing containing coconut oil.

(Editor)

1884.

To Purify Coconut Oil.

Drugg. Circ., 28, p. 28.

Coconut oil becomes rancid because of volatile constituents, and gives a remedy.

Stille, A. & Maisch, J. M.

1884.

Oleum Cocos.

Natl. Dispens., 3 ed., p. 1056; (Ibid., 5 ed., p. 1120).

Gives data concerning the origin, properties, composition and medical action of cocoanut oil.

Maisch, J.M.

1885.

Coco, Cocos nucifera, Lin.

Am. Jour. Pharm., 57, p. 432.

Gives habitat of the plant and uses of various parts of Cocos nucifera.

Hager, H.

1886.

Unterscheidung der Cacaobutter von der Cocosbutter und Verfälschung der Cacaobutter mit Cocosbutter.

Pharm. Zeit., 31, p. 274; Pharm. Rund., 4, p. 137.

Gives tests to distinguish between Cacaobutter and Cocosbutter.

Allen, A.H.

1887.

Solubility of Cocoanut Oil.

Commerc. Org. Anal., ed. 2, v. 2, p. 136; (Ibid., ed. 2, v. 2, p. 25; U.S. Dispens., 17, p. 1600; Drugg. Circ., 43, p. 286.)

A statement as to the glycerides present in Cocoanut Oil.

Dubelle, G.H.

New Formulas for Petrolatum Toilet Soaps.

Drugg. Circ., 31, p. 4.

Gives formulas for 47 toilet soaps each containing coconut oil.

(Editor)

1887.

Coconut or Coccoanut.

Pharm. Jour., 18, p. 541.

Professor Balfner maintains that "Coccoanut" should be written "Coconut".

(Government Botanist)

1887.

Utilization of Cocoa-nut Refuse Report on the Botanic Gardens in Nilghiris, , p. . (Pharm. Jour., 48, p. 468.)

A brief statement concerning the use of coccoanut refuse as a backing to ships armours.

Haigh, D.L.

1887.

Coccoanut.

Drugg. Circ., 31, p. 4. (Prov. Am. Pharm. Assoc., 35, p. 106.)

Tells how to estimate Sucrose, Glucose and Starch after dissolving out the Coccoanut Oil.

Morris, D.

1887.

Cocoa-nuts.

Gardner's Chronicle, s. 3, v. 1, p. 50. (Am. Jour. Pharm., 58, p. 445.)

Gives figures on the value of Coconuts, with England's importation.

Parisi, __.

1888.

Cocoanut as a Taenicide.

Lancet, 2, p. 341. (Jour. Am. Med. Assoc., 12, p. ;
Pharm. Jour., 48, p. 162; Chem. & Drugg., 33, p. 244; Br.
& Col. Drugg., 14, p. 646; Ibid., 23, p. 342; Yrbk. Br.
Pharm. Conf., 26, p. 160.)

Coconut has been used as a vermifuge for forty generations in India.

(Editor)

1889.

Coco Nut Oil.

Br. & Col. Drugg., 15, p. 441.

Liverpool presses and refines most of the fine coconut oil used in England.

(Editor)

1889.

Cocoa-Nut Butter.

Br. & Col. Drugg., 16, p. 586.

A butter of clear whitish color has been made from nuts from the South Sea Islands.

Engler, A. & Prantl, K.

1889.

Frucht und Samen.

Die naturlichen Pflanzenfamilien, ed. 2, v. 3, p. 22. (Am. Jour. Pharm., 73, p. 542.)

Gives an illustration of the microscopic structure of the parts of the Coconut.

Peckolt, T.

1889.

Nutzpflanzen Brasiliens.

Pharm. Rund., 7, p. 36.

Gives data on the Brazilian coconut as to its method of growth and concerning the milk and oil.

(Editor) 1890.

Cocoanut Butter.

Chem. & Drugg., 37, p. 572; (Ibid., 38, p. 20.)

Says that a white butter is made from Cocoanuts.

Müller, C. 1890.

Cocos nucifera L.

Medicinalflora, p. 174.

Gives a detailed technical description of the cocoanut plant and its parts with three small illustrations.

Van Itallie, L. 1890.

Over Kokosnoten.

Nederl. Tdysch. v. Pharm. Chem. en Tox., 42, p. 302; (Pharm. Rec., 11, p. 104.)

Cocoanuts are reported to have been used as a remedy for tape worms but his examination for active constituent were without results.

(Editor) 1891.

Cocoanut Butter.

Pharm. Rec., 11, p. 214.

Says that cocoanut butter must not be compared with cacao butter and gives a brief statement about the production and properties of cocoanut butter.

(Editor) 1891.

Coco Butter.

West. Drugg., 13, p. 95.

Coco butter is used for culinary purposes and that is obtained from the coconut.

(Editor)

1892.

Coco-nut Palm and Weevils.

Pharm. Jour., 52, p. 976.

A large number of Cocoa-nut palms have been destroyed by weevils in British Honduras.

(Editor)

1892.

Cocoanut Butter.

Pharm. Rec., 13, p. 41.

Cocoanut butter is made from cocoanut oil.

(Editor)

1893.

A Substitute for Cod Liver Oil.

West. Drugg., 15, p. 138.

"A substitute for cod liver oil has, it is said, been found in the oil of the milk of the cocoanut."

Milleau, E.M.

1893.

Procede pour reconnaitre la purete des huiles de coprah et des huiles de palmiste.

Bull. de la Soc. d'encourg. pour l'industrie, series 4, v. 8, p. 103. (Comp. Rend., 115, p. 517; Ibid., 140, p. 1702; Jour. de pharm. et de chim., 136, p. 524; Lewkowitsch J. Chem. Anal. Oils, Fats, Waxes, 4 ed., v. 2, p. 518; Ibid. 5 ed., v. 2, p. 641; Proc. Am. Pharm. Assoc., 41, p. 896; Ibid., 54, p. 909; Pharm. Jour. 75, p. 361.)

Gives tests for purity along with a method for recognizing whether or not coconut oil is pure.

(Editor)

1894.

Preserving Cocoanut Oil.

Br. & Col. Drugg., 26, p. 188.

The difficulty of keeping cocoanut oil when cold drawn

has been solved by keeping ripe coconuts in a hot dark room until the kernel rattles before using. The oil from these kernels keeps sweet.

Ernst, H. 1894.

An Analysis of Cocoanut.

Proc. Am. Pharm. Assoc., 42, p. 670.

A fixed oil is obtained from cocoanut.

Hager, H. & Geissler, E. 1894.

Geruck und Geschmackloses Cocosnussöl.

Pharm. Centralh., 35, p. 549. (Proc. Am. Pharm. Assoc., 43, p. 1054.)

Tells how to obtain an odorless tasteless cocoanut oil.

Lewkowitsch, J. 1894.

Soaps most useful for scouring woolen goods.

Jour. Soc. Chem. Ind., 13, p. 258. (Chem. Anal. Oils, Fats, Waxes, 3 ed., v. 2, p. 745.)

Soap from coconut oil is not useful because it becomes rancid easily and hence is used in admixture with other fats.

Thompson, C.S.J. 1894.

Cocoanut Stearin as a Base for Suppositories.

Pharm. Jour., 54, p. 184. (Pharm. Era, 12, p. 298; Am. Jour. Pharm., 66, p. 462; Chem. & Drugg., 45, p. 202; Br. & Col. Drugg., 26, p. 119; Yrbk. Br. Pharm. Conf., 31, p. 447.)

States that this base is superior to cacao butter as it does not become rancid and it solidifies easier. Gives a formula containing it for suppositories.

1895.

Cultivation of the Coco-nut.

Bull. Bot. Dep. Jam., 2, p. 182; (Am. Jour. Pharm., 67, p. 581.)

Gives data as to climate, sowing, transplanting, tillage, manuring and yield of the coconut.

(Editor)

1895.

Coco-Nut Cultivation.

Bot. Dep. Jan., Bull. No. 2, p. 182; (Proc. Am. Pharm. Assoc., 44, p. 536.)

Gives details as to soil, climate and cultivation of the coconut in Jamaica.

Kohl, F.G.

1895.

Cocos nucifera L.

Die offic. Pflanzen der Pharm. German., p. 15.

Gives an account of the coconut, giving the habitat and constituents. A plate showing the parts of the plant is also included.

Chew, R.S.

1897.

Cocos Nucifera.

Am. Drugg., 30, p. 129; (Proc. Am. Pharm. Assoc., 46, p. 776.)

Gives a lengthy description of Cocos Nucifera.

Combs, R.

1897.

Cocos nucifera, L.

Pharm. Rev., 15, p. 136.

Says that coconut oil is expressed from the albumen of the ripe nut. Gives habitat and properties.

Edel, F.

1897.

Composition of Coconut Milk.

West. Drugg., 19, p. 207; (Proc. Am. Phar. Assoc., 45, p. 482.)

The milk contains 35% saponifiable matter and that the fruit furnishes a proportion of oil, which is used in making marine soap.

Crossley, A.W. & LeSueur, H.R.

1898.

Cocos nucifera.

Jour. Soc. Chem. Ind., 17, p. 991; (Chem. Anal. Oils, Fats & Waxes, 3 ed., 2, p. 746.)

Mentions the characteristics and properties of coconut oil.

(Editor)

1898.

Uses of Coconut Oil.

Br. & Col. Drugg., 33, p. 239.

Coconut oil is used in making soap, as an illuminant and in candle making. It also has medicinal properties.

Lemon, J.J.

1898.

Cocoanut Palm.

Am. Jour. Pharm., 70, p. 267.

Discusses the cocoanut palm as to its original habitat and also as to where it is now propagated.

Biffen, R.H.

1899.

Fat Destroying Fungus.

Ann. of Bot., 13, p. 363. (Pharm. Jour., 64, p. 41.)

Reports that a fungus on coconuts breaks up the oil in the endosperm.

(Editor)

1899.

Solubility of Cocoanut Oil.

Drugg. Circ., 43, p. 286.

A brief account of the solubility of cocoanut oil.

Maiden, J.H.

1899.

Cocos nucifera, Linn. "Cocoanut Palm".

Pharm. Jour., 63, p. 182.

Gives briefly the various medicinal uses of various parts and products of cocos nucifera.

Stanley, J.

1899.

(To Deodorize Coconut Oil).

Chem. Revue, , p. 76. (Apoth. Zeit., 14, p. 240; Drugg. Circ., 43, p. 159.)

Directs boiling coconut oil with sodium silicate and water to deodorize.

Yaple, Florence.

1899.

Cocoanuts.

Am. Jour. Pharm., 71, p. 256.

Specimens of cocoanuts were presented at the pharmaceutical meeting.

(Editor)

1900.

Cocoanut Essence.

Chem. & Drugg., 57, p. 749.

Cocoanut Essence is made by extracting ground cocoanut with proof spirit.

(Editor)

1900.

Cocoanut Palm Products.

Pharm. Era, 24, p. 598.

A statement concerning the habitat of the plant, amount produced and products.

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

1900.

Oleum Cocos.

King's Am. Dispens., ed. 18, v. 1, p. 1353.

Gives synonyms, botanical source and history, description, chemical composition, action, medical uses, and dosage of cocoanut oil.

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

1900.

Cocoanut Oil.

King's Am. Dispens., ed. 18, v. 1, p. 1358.

"Butter of Cacao must not be confounded with cocoanut oil from *Cocos nucifera*."

Kirkwood, J.E. & Gies, W.J.

1900.

The Composition of the Endosperm and Milk of the Cocoanut.

Proc. Amer. Assoc. Adv. Sci., 49, p. 275. (Pharm. Jour., 67, p. 450.)

The endosperm of the coconut is made up mainly of oil and cellulose.

Meredith, H.S.

1900.

The practical pharmacy of Cocoanut Oil.

Am. Jour. Pharm., 72, p. 242.

The above thesis of the Philadelphia College of Pharmacy is only listed by title.

Wardleworth, T.H.

1900.

Cocoanut Butter (*Cocos nucifera*).

Yrbk. Br. Pharm. Conf., 37, p. 426; (Pharm. Jour., 65, p. 162; Pharm. Era, 24, p. 207.)

A butter has been made from the oil of the cocoanut (tree) which is easily digested and does not get rancid readily.

(Editor)

1901.

Cocoanut-palm.

Chem. & Drugg., 59, p. 1041.

Says that oil is manufactured into soap in Venezuela.

(Editor)

1901.

Cocoanut Oil Soap.

Drugg. Circ., 45, p. 106.

Gives a detailed process for the saponification and two formulas for soap containing cocoanut oil.

(Editor)

1901.

American Names of the Cocoanut.

Pharm. Era, 26, p. 421.

Discusses the origins of the names "coco" and "cocoa".

(Editor)

1901.

Oleum Cocos.

Pharm. Jour. 67, p. 638.

States that coconut oil is a white solid resembling palm oil in chemical composition. It becomes rancid rapidly.

Kennedy, C.E.

1901.

Lever Bros. and Coconut Oil.

Br. & Col. Drugg., 39, p. 112.

Lever Bros. were to take 5,000 acres of land for coconuts but allowed the offer to slide.

Klopp, E.J.

1901.

Refined Coconut Oil.

Am. Jour. Pharm., 73, p. 257.

The above thesis of the Philadelphia College of Pharmacy is only listed by title.

Wauters, J.

1901.

(Nachweis von Kokosbutter in Kakaobutter und Schokolade).

Bull. de l'Assoc. belge des chim., 15, p. 131. (Chem. Centr. 72, p. 1346; Yrbk. Br. Pharm. Conf., 39, p. 48; Pharm. Jour. 67, p. 333.)

Cacao butter or chocolate has been adulterated with cocoanut oil, detected by volatile fatty acid tests.

Winton, A.L.

1901.

The Anatomy of the Fruit of *Cocos nucifera*.

Am. Jour. Sci., 161, p. 265. (Pharm. Jour., 68, p. 1; Ibid., 73, p. 538; Proc. Am. Pharm. Assoc., 50, p. 816.)

Gives a detailed account of the anatomical character of the fruit of *Cocos nucifera*, with illustrations.

(Editor)

1902.

Spanish Cocoanut Oil.

Chem. & Drugg., 61, p. 220.

Discusses the duty on Spanish cocoanut oil.

Pollatschek, P.

1902.

Cocosbutter.

Zeit. f. Nahr. u. Genusm., 5, p. 1136; (Proc. Am. Pharm. Assoc., 51, p. 929.)

Gives a method for removing the acrid taste and unpleasant odor of coconut butter.

Barclay, J.

1903.

Coco-Nut Oil.

Pharm. Jour., 70, p. 135.

A brief statement concerning the specific gravity, saponification value and melting point of coco-nut oil.

Dvorkovitch, __.

1903.

Cocoanut Oil.

Chem. & Drugg., 62, p. 762.

States that the addition of 5% of vaseline to coconut oil acts as a preservative.

(Editor)

1903.

Cocoanut-Palm Industry.

Chem. & Drugg., 62, p. 570.

The cultivation of the Cocoanut palm in Ceylon is extensive and oil is exported.

(Editor)

1903.

Cocoanut Oil.

Chem. & Drugg., 63, p. 858.

A brief statement concerning the use of cocoanut oil in Margarine.

(Editor)

1903.

Coco-Nut Meal.

Pharm. Jour., 70, p. 526.

Coco-nut meal, a residue in the manufacture of coco-nut oil, is used as a food for cattle.

(Editor)

1903.

Coco-nut Meal.

Proc. Am. Pharm. Assoc., 51, p. 725.

Coconut meal is valuable as a food for cattle.

Jackson, J.R.

1903.

Coco-nut Butter.

Dept. Agric. Jam., Bull. No. 1, p. 114; (Pharm. Jour., 71, p. 237.

A brief statement concerning coconut fat as a substitute for lard and butter in cooking is given.

Dewar, J.

1904.

Cocoanut Charcoal.

Chem. & Drugg., 65, p. 390.

Says that cocoanut charcoal made from the shells is efficient as a gas absorber.

(Editor)

1904.

Coco-nut oil for Toothache.

Pharm. Jour. 72, p. 731.

Says that coconut oil is used for toothache in China and gives directions for its use.

Lahache, L.

1904.

Sur le Beurre de Coco Epure.

Rev. gen. de Chim. appliq. 9, p. 43; (Annal. de chim. Analyt., 9, p. 23; (Yrbk. Br. Pharm. Con., 41, p. 65; Pharm. Jour., 73, p. 335.)

Purified coconut fat in butter may be detected by shaking up with 90% alcohol.

Lane, N.J.

1904.

Constants of Coccoanut Oil.

Jour. Soc. Chem. Ind., 23, p. 1019; Lewkowitsch, Chem. Anal. Oils Fats, Waxes, 4 ed., 2, p. 518; Ibid., 5 ed., 2, p. 641.)

States that coccoanut oil contains liquid fatty acids.

Lewkowitsch, J.

1904.

(Cocoa-nut Oil).

Cantor Lect. Oils, Fats; Uses & App., , p. 22. (Lewkowitsch, J., Chem. Anal. Oils, Fats, Waxes, 4 ed., v. 2, p. 518; Ibid. 5 ed., v. 2, p. 641.)

Gives a brief statement regarding the overproduction of coccoanut oil.

Marrschock, F.

1904.

Nachweis von Cocosfett in Schweinefett.

Zeit. f. Unters. Nahrungs. u. Genusm., 7, p. 586. (Pharm. Jour. 72, p. 800; Proc. Am. Pharm. Assoc., 52, p. 909; Pharm. Jour. 73, p. 854.)

A method whereby coccoanut fat may be detected in lard is given.

Reijst, J.J.

1904.

Cocosfett.

Zeit. f. Unters. Nahrungs-u. Genusm., 13, p. 580. (Lewkowitsch, J., Chem. Anal. Oils, Fats, Waxes, ed. 4, v. 2, p.

521; Ibid., ed. 5, v. 2, p. 642; Ibid., ed. 5, v. 2, p. 644.)

Gives data concerning the proteins in coconut oil.

Van der Wielen, P.

1904.

Neutrale Seife.

Apoth. Zeit., 19, p. 1014. (Pharm. Jour., 74, p. 612; Yrbk. Br. Pharm. Conf., 42, p. 283; Pharm. Weekblad, 41, p. ; Am. Drugg. & Pharm. Rec., 46, p. 263.)

Coconut oil is used in making neutral coconut soap.

Alpers, W.C.

1905.

Professionalism or Commercialism.

West. Drugg. 27, p. 275.

A raft can be made of cocoanuts since they are lighter than water.

(Editor)

1905.

Cocoanut Oil.

Chem. & Drugg., 66, p. 565.

Reports a rumor to the effect that 50,000 acres were to be planted with Cocoanut Palms in the Straits.

(Editor)

1905.

Coconut Oil Factory.

Chem. & Drugg., 67, p. 8.

A factory for the manufacture of Cocoanut Oil has been opened in the Straits.

(Editor)

1905.

"Cocos" Butter.

Pharm. Jour., 75, p. 499.

Chemical analysis shows that "cocos" butter was made from coconut oil.

Segin, A. 1905.

Coco-nut Fat.

Proc. Am. Pharm. Assoc., 53, p. 794.

Gives methods of detection of coconut fat in butter.

Banks, C.S. 1906.

The Principle Insects Injurious to the Coconut Palm.

Philippine Jour. Sci., 1, p. 143. (Ibid., 15, p. 463.)

Cocos nucifera is attacked by a small number of insect pests, pictures and descriptions of which are given.

(Editor) 1906.

Cocoanut Oil in Butter.

Chem. & Drugg., 68, p. 340.

Butter has been adulterated with cocoanut oil.

(Editor) 1906.

Cocoanut Oil and Bay Rum.

Chem. & Drugg., 69, p. 952.

Gives a formula for a hair preparation containing the above substances.

(Editor) 1906.

Powdered Cocoanut Oil Soap.

Chem. & Drugg., 69, p. 980.

Gives a formula for soap powder or bleaching soda containing cocoanut oil.

Haller, A. & Youssoufan, __. 1906.

Alcoololyse du beuerre de coco.

Compt. rend., 143, p. 803. (Lewkowitsch, J., Chem. Anal. Oils, Fats, Waxes, 4 ed., v. 2, p. 518; Ibid., 5 ed., v. 2, p. 641.)

Proved that both palmiten and stearin occur in coconut oil.

Lewkowitsch, J. 1906.

Cocoanut Oil.

Chem. Anal. Oils, Fats, Waxes, 4 ed., v. 2, p. 507; Ibid., 5 ed., v. 2, p. 624; Ibid., 3 ed., v. 2, p. 745; U.S. Dispens., 19, p. 1587; Ibid., 20, p. 1518; Ibid., 21, p. 1402.)

Cocoanut oil is obtained from kernels of *Cocos nucifera* and *Cocos butyracea*. Gives habitat, how collected and two tables concerning exports.

Reijst, J. J. 1906.

(Cocoanut Oil).

Rec. des. trav. des. chim. des Pays-bas, 25, p. 271. (Lewkowitsch, J., Chem. Anal. Oils, Fats, Waxes, 4 ed., v. 2, p. 518; Ibid., 5 ed., v. 2, p. 641.)

Reports that stearin does not occur in coconut oil.

Walker, H.S. 1906.

The Keeping Qualities and the Causes of Rancidity in Coconut Oil.

Philippine Jour. Sci., 1, p. 117; (Ibid., 15, p. 463.)

Experiments are described which were undertaken to discover the conditions inducing deterioration and those of improving the keeping qualities of coconut oil.

Wijsman, H.P. & Reijst, J. J. 1906.

Nachweis von Cocosfett in Butter.

Ztschr. d. Nuters. d. Nahr. u. Genussm., 11, p. 267; (Pharm. Jour., 76, p. 551; Ibid., 78, p. 171.)

Gives a method of determining the presence of coconut oil in butter.

Bellier, J.

1907.

Ueber den Nachweis von geringen Mengen Kokosfett in der Butter.

Apoth. Zeit., 22, p. 248; (Yrbk. Br. Pharm. Conf. 44, p. 45).

Coconut fat is detected in small quantities in butter by using acids and alkalis and weighing the precipitate.

Cripps, R.A.

1907.

. Note on the Official Soaps.

Pharm. Jour., 78, p. 519. (Yrbk. Br. Pharm. Conf., 44, p. 110.)

Coconut oil is used in making "Castile Soap" as well as other official soaps of the British Pharmacopoeia.

(Editor)

1907.

Cocconut Oil.

Chem. & Drugg., 70, p. 315.

A very brief statement as to how to deodorize and decolorize cocconut oil.

(Editor)

1907.

Cocconut Oil for Table Use.

West. Drugg., 29, p. 550.

Cocconut oil may be suitable for table use if it has its free fatty acids, but the processes used for this purpose are not made public.

Hinks, E. 1907.

The Detection of Coconut Oil in Butter.

Analyst. 32, p. 160. (Yrbk. Br. Pharm. Con., 44, p. 44; Br. & Col. Drugg., 51, p. 297).

Gives a method for detecting coconut fat in butter.

Paulmeyer, __. 1907.

(Coconut Oil).

LaSavonnerie Marseillaise, 78, p. . (Lewkowitsch, J., Chem. Anal. Oils, Fats, Waxes, 4 ed., v. 2, p. 520; Ibid., 5 ed., v. 2, p. 643.)

Gives a table concerning the amounts of total fatty acids present.

Robin, L. 1907.

Recherche de la falsification du saindoux par la graisse de Coco.

Annal. de chim., 12, p. 14. (Yrbk. Br. Pharm. Con., 44, p. 47.)

Gives a method for the detection of coconut fat in lard.

Williamson, __. 1907.

(Coconut for Diabetic Patients).

Med. Chron., , p. . (Nat. Drugg., 37, p. 91; Pharm. Jour. 78, p. 630; Yrbk. Br. Pharm. Con., 44, p. 246.)

States that ground coconut is good for diabetics and several recipes are given.

Arnold, W. 1908.

Verfälschung von Cocosfett mit Mineralöl.

Zeit. f. Unters. d. Nahr. u. Genussm., 15, p. 280. (Lewkowitsch, J., Chem. Anal. Oils, Fats, waxes, 5 ed., v. 2, p. 648.)

Coconut oil has been adulterated with mineral oil.

Delphin, T.

1908.

En ny förfalskning af lavendelolja.

Svensk. farm. Tidskr., 12, p. 425; Pharm. Zeit., 53, p. 984; (Pharm. Jour., 82, p. 60; Am. Jour. Pharm., 81, p. 147.)

Cocoanut oil esters have been added to lavender oil of poor quality.

Matthes, H. & Ackermann, E.

1908.

Ueber die unverseifbaren Bestandteile der Kokosbutter, sowie ueber ihren Nachweis in Mischungen mit butter.

Berichte d.d. chem. Gesell., 41, p. 2000. (Lewkowitsch, Chem. Anal. Oils, Fats, Waxes, 4 ed., v. 2, p. 521; Ibid., 5 ed., v. 2, p. 644.)

An experiment which separates the unsaponifiable portion of coconut oil and methods of its detection in butter.

Walker, H.S.

1908.

Notes on the Sprouting Coconut on Copra and on Coconut Oil.

Philippine Jour. Sci., 3A, p. 111; (Ibid., 15, p. 463.)

A number of experiments are reported one of which is concerned with the production of free acid in coconut oil upon standing.

(Editor)

1909.

Whitening Cocoanut Oil.

Bull. Pharm., 23, p. 44; Ibid., 23, p. 132.

Suggests two ways of whitening discolored cocoanut oil.

(Editor)

1909.

Dealers in Coconut Oil.

Am. Drugg. & Pharm. Rec., 54, p. 43.

Gives a list of dealers in coconut oil in New York City.

(Editor)

1909.

Deodorizing Coconut Oil.

Chem. & Drugg., 75, p. 802. (Ibid., 75, p. 980; Ibid., 80, p. 664.)

States that most processes of converting coconut oil to an edible fat are worked secretly, however the details of one process is given.

Lewkowitsch, J.

1909.

Coconut Oil.

Chem. Tech. & Anal. of Oils, Fats, Waxes, 4 ed., v. 2, p. 506; Ibid., 5 ed., v. 2, p. 623.)

Tells about the properties of Coconut oil, uses and exportation. Contains tables of characteristics.

Paulmeyer, M. & Rivals, ___.

1909.

(Cocoa nut oil).

Corps Gras Industriels, ___, p. 178; (Lewkowitsch, J., Chem. Anal. Oils, Fats, Waxes, 5 ed., v. 2, p. 648.)

Describes a method for the detection of arachis oil in coconut oil.

Strube, F.

1909.

(Detection of Coconut Fat, Butter Fat and Palm Oil in Cacao Butter).

Zeit. oeffentl. Chem., 14, p. 67. (Yrbk. Br. Pharm. Conf., 46, p. 20.)

Cocoanut fat has been detected in cacao butter by saponifying with boiling alcoholic KOH.

Cassal, N.C. & Gerraus, B.H. 1910.

A Rapid Process for the Estimation of Cocoanut Oil in Admixture with Butter Fat.

Chem. News, 102, p. 190. (Yrbk. Br. Pharm. Conf., 41, p. 65; Ibid., 44, p. 44; Ibid., 48, p. 93.)

Cocoanut oil may be determined in butter fat by treating it with sodium hydroxide and hydrochloric acid.

Dommes, A. 1910.

(Copra)

Der Tropenpflanzer, , p. 288; Lewkowitsch, Chem. Anal. Oils, Fats, Waxes, 5 ed., 2, p. 630.)

(Instructions as to the erection of a copra drying house).

(Editor) 1910.

Cocoa Nut Oil Substitutes.

Br. & Col. Drugg., 57, p. 331.

Barclay & Co., Lt. & Kunerol Cocoacette, Lt., whose business was manufacturing material from cocoanut oil substitutes for cocoa butter went into the hands of receivers.

(Editor) 1910.

Essence of Coconut.

Chem. & Drugg., 76, p. 801.

Gives a formula for making Essence of Coconut.

(Editor) 1910.

Cocoanut Ice Cream.

West. Drugg., 32, p. 408.

Gives a recipe for making cocoanut ice cream using grated cocoanut.

Haller, A. & Lassieur, A.

1910.

Etude des echappees du beurre de coco - Composition de l'essence de coco.

Compt. rend., 150, p. 1013. (Ibid., 151, p. 697; Chem. News, 102, p. 24; Proc. Am. Pharm. Assoc., 59, p. 164; Chem. & Drugg., 77, p. 584; Ibid., 77, p. 828; Yrbk. Br. Pharm. Conf., 38, p. 108; Ibid., 39, p. 134; Ibid., 40, p. 150; Ibid., 44, p. 142; Ibid., 47, p. 97.)

States that a small amount of volatile substances have been extracted from coconut fat and this essence may be called an essential oil; also that ketones have been isolated during the purification of coconut fat.

Hiss, A.E.

1910.

Cocoanut Frappe.

West. Drugg., 32, p. 95.

Gives a recipe for Cocoanut Frappe using grated cocoanut.

Revis, C. & Bolton, E.R.

1911.

Observations on Some Methods of Estimating Coconut Oil and Butter, in Butter and Margarine.

Pharm. Jour., 86, p. 782.

Gives experimental data and process of estimating the amount of coconut oil present.

Richardson, W.D.

1911.

(Iodine Value of Coconut Oil).

Jour. Ind. & Eng. Chem., , p. 574; (Pharm. Jour., 87, p. 325; Proc. Am. Pharm. Assoc., 59, p. 441.

Gives an explanation of the cause of abnormally high iodine value of some shipments of coconut oil.

Elsdon, G.D.

1912.

(Alcoholysis and the Composition of Coconut Oil).

Pharm. Jour., 89, p. 759.

Discusses the composition of coconut oil, listing the eight acids found and their percentages.

(Editor)

1912.

Cocoanut Mousse.

West. Drugg., 34, p. 136.

Gives a recipe for Cocoanut Mousse using pounded cocoanut and cocoanut milk.

Burnett, H.R. & Revis, C.

1913.

The Proportionate Determination of Coconut and Palm Kernel Oil in Mixtures.

Pharm. Jour., 90, p. 739.

States that the proportion of coconut oil in mixtures may be ascertained at the temperatures at which solutions in 93% alcohol of the Barium salts become turbid.

(Editor)

1913.

Deodorizing Cocoa-nut Oil.

Chem. & Drugg., 83, p. 584. (Ibid., 88, p. 684; Ibid., 93, p. 812; Ibid., 94, p. 812.)

Coconut oil may be deodorized by washing with alcohol and volatilization of the odoriferous bodies by heat.

(Editor)

1913.

Coconut Oil Adulteration.

Chem. & Drugg., 83, p. 694.

Coconut oil imported into Galle from Ceylon has been found adulterated with ground nut oil.

(Editor)

1913.

"Coconut" and "Cocoanut".

Drugg. Circ., 57, p. 392.

A brief article on the meaning and spelling of the above words.

(Editor)

1913.

Cocoanut Oil Hair Dressing.

West. Drugg., 35, p. 125.

Gives a formula for cocoanut oil hair dressing using cocoanut oil.

(Editor)

1913.

Cocoanut Parfait.

West. Drugg., 35, p. 263. (Ibid., 36, p. 191).

Gives a recipe for cocoanut parfait using shredded cocoanut.

Youngken, H.W.

1914.

Cocoanut Oil.

Pharm. Botany, p. 70.

Cocoanut oil is listed with the part used and the botanical name.

(Editor)

1915.

"The Coco-nut" by C. B. Copeland.

Chem. & Drugg., 86, p. 18.

Mention is made of Copeland's first edition (1915) "The Coco-nut".

(Editor)

1915.

Coconuts and Tropical Produce Co.

Chem. & Drugg., 87, p. 812.

The above company is registered to deal in coconuts and coconut oil.

(Editor)

1915.

Emulsion of Coconut Oil.

Drugg. Circ., 59, p. 668.

Gives an account of an emulsion of coconut oil that will not solidify in cold weather.

(Editor)

1916.

The Coconut Tree.

Chem. & Drugg., 88, p. 471.

Coconut oil, a product of the coconut tree, was used during war times for the production of glycerine.

(Editor)

1916.

The Shipment of Coconut Oil.

Chem. & Drugg., 88, p. 625.

Coconut Oil is shipped from Ceylon to America provided that an equivalent amount of glycerine is exported from United States to England.

(Editor)

1916.

Cocoanut Oil Hair Pomade.

West. Drugg., 38, p. 12.

Gives a formula for a hair pomade containing cocoanut oil.

Helweg, L. W.

1916.

Cocoanut Oil.

Am. Jour. Pharm., 88, p. 333.

The above thesis of the Philadelphia College of Pharmacy is only listed by title.

"Xrayser II"

1916.

The Coconut Tree.

Chem. & Drugg., 88, p. 497.

Says that it is strange that the coconut tree has never contributed anything to our official materia medica as it yields "all the necessaries of life".

Brill, H.C., Parker, H.O. & Yates, H.S.

1917.

Copra and Coconut Oil.

Philippine Jour. Sci., 12A, p. 55.

An enormous amount of coconut oil is being used in soap and glycerine industries because the poor quality makes it useless for edible products. Many experiments to determine the purity of the oil are recorded.

Brill, H.C. & Parker, H.O.

1917.

The Rancidity of Philippine Coconut Oil.

Philippine Jour. Sci., 12A, p. 95. (Ibid., 15, p. 463).

The rancidity of Philippine Coconut oil has been tested with various chemicals without results. Steam distillation removes rancidity.

(Editor)

1917.

Coconut Tree.

Chem. & Drugg., 89, p. 97.

An illustration of a coconut tree at Panama showing a cluster of the nuts.

(Editor)

1917.

Coconut Oil Soap.

Drugg. Circ., 61, p. 80.

Gives an account of the manufacture, molding and color of the coconut oil soap.

Elsdon, G.D. & Bagshewe, C.R.

1917.

The Shrewsbury and Knapp Process for the Estimation of Coconut Oil.

Analyst 42, p. 72; (Chem. & Drugg., 89, p. 534).

A modified method of carrying out the Shrewsbury and Knapp process for the estimation of coconut oil in mixtures.

Elsdon, G.D.

1917.

Composition of Coconut Oil.

Chem. News, 115, p. 96; (Yrbk. Am. Pharm. Assoc., 6, p. 377; Drugg. Circ., 57, p. 330; Analyst 38, p. 8; Yrbk. Br. Pharm. Con., 50, p. 99.)

Gives a qualitative determination of coconut oil.

Gershenfeld, J.C.

1917.

Coconut Oil.

Am. Jour. Pharm., 89, p. 330.

The above thesis of the Philadelphia College of Pharmacy is only listed by title.

Parker, H.O. & Brill, H.C.

1917.

Methods for the Production of Pure Coconut Oil.

Philippine Jour. Sci., 12A, p. 87.

Experiments carried out by the Bureau of Science and methods used by Filipinos are discussed.

(Editor) 1918.

Deodorizing Coconut Oil.

Am. Drug. & Pharm. Rec., 66, p. 41.

Gives three methods to deodorize coconut oil.

(Editor) 1918.

Acetic Acid - Manufacture from Coconut Shells.

Chem. & Drugg., 90, p. 82. (Yrbk. Am. Pharm. Assoc., 7, p. 487.)

Says that acetic acid is being manufactured from coconut shells in Ceylon.

(Editor) 1918.

Sale of Coconut Oil.

Chem. & Drugg., 90, p. 500.

There is no restriction on the sale of coconut oil.

(Editor) 1918.

Coconut Oil (Ceylon Exports).

Chem. & Drugg., 90, p. 873. (Yrbk. Am. Pharm. Assoc., 7, p. 469.)

Gives Ceylon export figures on coconut oil.

(Editor) 1918.

Emulsified Coconut Oil.

Pract. Drugg., 36, June, p. 35. (Ibid., 36, Nov., p. 36; Yrbk. Am. Pharm. Assoc., 7, p. 93.)

Gives a formula for emulsified coconut oil.

(Editor)

1919.

Coconut Oil Shampoo in Cold Weather.

Drugg. Circ., 63, p. 147.

Says that oil separates out in cold weather and tells how to remedy this.

(Editor)

1919.

Coconut Oil Shampoo.

Drugg. Circ., 63, p. 282.

Gives a formula for the above shampoo.

(Editor)

1919.

Emulsifying Coconut Oil.

Pharm. Jour., 102, p. 343; (Ibid., 105, p. 244; Ibid., 106, p. 538; Ibid., 109, p. 502.)

Gives a formula for making a powdered soap from coconut oil.

Gilmour, G. Van B.

1919.

Estimating Fats of the Coconut Group.

Chem. & Drugg., 91, p. 1480.

Gives a method for estimating fats of the coconut group.

Jansen, B.C.P.

1919.

De Hoeveelheid van de in Vet oplosbare Vitamine Aanwezig in Cocosvet.

Med. Geneesk. Lab. Weltevreden door Exp. Station Record, p. 363; Pharm. Weekblad, 57, p. 354; Yrbk. Am. Pharm. Assoc., 9, p. 548.)

Coconut oil is found to be very poor in A-vitamines according to an experiment with rats.

Perkins, G.A.

1919.

The Rancidity of Philippine Coconut Oil.

Philippine Jour. Sci., 15, p. 463. (Yrbk. Br. Pharm. Conf. 57, p. 80; Yrbk. Am. Pharm. Assoc., 9, p. 547; Jour. Soc. Chem. Ind., 39, p. 458.)

The results of rancidity tests on Philippine cocoanut oil are given, oxygen being found necessary for the development of rancidity in coconut oil.

Reighter, W.E.

1919.

Cocoanut Products.

Am. Jour. Pharm., 91, p. 479.

The above thesis of the Philadelphia College of Pharmacy is only listed by title.

Terry, R.W.

1919.

Adulterated Coconut Oil.

Jour. Am. Pharm. Assoc., 8, p. 335. (Yrbk. Am. Pharm. Assoc., 8, p. 461.)

Tells how coconut oil is adulterated and gives methods of determining the adulterants.

Boemer, A. & Baumann, J.

1920.

Die Glycerides des Kokofettes.

Zeit. f. Unters. d. Nahr. u. Genussm., 40, p. 97. (Pharm. Centralhl., 61, p. 727; Yrbk. Am. Pharm. Assoc., 9, p. 547.)

Discusses the constituents of coconut oil, especially the glycerides.

Cox, A.H.

1920.

Cocoanut Shampoo Powder.

Chem. & Drugg., 93, p. 1022.

Gives a formula for making a cocoanut shampoo powder.

(Editor)

1920.

Cocoa-nut Shampoos.

Chem. & Drugg., 93, p. 1426.

Gives several formulas for making cocoanut shampoos.

(Editor)

1920.

Cocoanut Shampoos.

Chem. & Drugg., 93, p. 1486. (Ibid., 95, p. 782).

Gives a correction for making the shampoo found in
C. & D., 93, p. 1022.

(Editor)

1920.

Coconut Oil Shampoo Powder and Liquid.

Pharm. Jour., 105, p. 262; (Ibid., 102, p. 502; Ibid., 111,
p. 302; Ibid., 121, p. 495.)

Gives particulars concerning the making of a soap and
a liquid shampoo containing coconut oil.

E'we, G.E.

1920.

Phenol Coefficients of Some Common Substances.

Proc. Penna. Pharm. Assoc., 45, p. 248; (Yrbk. Am. Pharm.
Assoc., 9, p. 459.)

Gives the Phenol Coefficient of Commercial "Soft"
Coconut Oil Soap in connection with a number of other sub-
stances.

Van Kregten, J.R.N.

1920.

Solubility of Coconut Oil and Palm Oil.

Jour. Soc. Chem. Ind., 39, p. 305A; (Yrbk. Am. Pharm.
Assoc., 9, p. 548.)

Coconut oil and palm oil in alcohol and acetic acid may
be estimated in mixtures of these oils.

(Editor)

1921.

How to Make Cocoanut-Oil Shampoos.

Bull. Pharm., 35, p. 31.

Tells how to make three kinds of cocoanut oil shampoos.

(Editor)

1921.

"The Coco-nut" by C. B. Copeland.

Chem. & Drugg., 95, p. 157. (Ibid., 100, p. 611).

Gives a review of Copeland's second edition (1921)
"The Coco-nut".

(Editor)

1921.

Cocoanut Oil Shampoo.

Drugg. Circ., 65, p. 391.

Gives a formula and directions for making a cocoanut
oil shampoo.

Griffith, I.

1921.

Cocoanut Oil Shampoos.

Am. Drugg. & Pharm. Rec., 69, Jan., p. 33.

Gives two formulas for shampoos containing cocoanut
oil and comments on each.

Harrison, J.W.E.

1921.

Coconut Shampoo.

Am. Drugg. & Pharm. Rec., 69, p. 25 (Sept.).

Gives ingredients for two formulas for coconut oil
shampoos.

Anon.

1922.

Coconut Oil Preparations.

Chem. & Drugg., 96, p. 12 (Yrbk. Am. Pharm. Assoc., 11, p. 83.)

Gives many formulas for coconut oil soaps.

(Editor)

1922.

Coco-nut Oil Preparations.

Chem. & Drugg., 96, p. 12. (Ibid., 100, p. 584; Ibid., 103, p. 492.)

Gives five formulas for making different soaps from Coco-nut oil.

Sadtler, S.P.

1922.

Cocoanut Oil.

Am. Jour. Pharm., 94, p. 409.

Cocoanut oil is of great value partly for food purposes and partly for soap making.

Blokzeyl, R.K.F.

1923.

Production of Coconut Oil and Copra.

Pharm. Era, 57, p. 609. (Army, Prin. of Pharm., 3 ed., p. 667; Yrbk. Am. Pharm. Assoc., 12, p. 246.)

Gives an account of how coconut oil is made and its use in the manufacture of foods, varnishes and soaps.

(Editor)

1923.

Coco-nut Oil Preparations.

Am. Drug. & Pharm. Rec., 71, Nov. p. 21.

Gives five formulas for soaps containing coco-nut oil.

(Editor)

1923.

Coconut Oil Soap.

Chem. & Drugg., 99, p. 774.

Gives a formula for a coconut oil shampoo.

(Editor)

1923.

Cocoanut Oil in Shaving Cream.

Drugg. Circ., 67, p. 192.

Gives a formula for a shaving cream containing cocoanut oil.

(Editor)

1923.

Liquid Cocoanut Oil Soap.

Drugg. Circ., 67, p. 192.

Gives a formula for cocoanut oil soap.

Cohn, R.

1924.

Ueber die Verfälschung von Kakaobutter mit Kokonussfett.

Zeit. angew. chem., 37, p. 304. (Annal. chim. analyt., series 2, v. 7, p. 30; Yrbk. Br. Pharm. Conf., 61, p. 116; Ibid., 62, p. 114.)

Gives a method for detecting coconut fat in cacao butter in which soaps of fatty acids are used.

(Editor)

1924.

Coconut Oil Shampoo Soap.

Chem. & Drugg., 100, p. 518.

Gives a formula for the preparation of a cocoanut oil shampoo soap.

(Editor)

1924.

Coconut Oil for Brilliantine.

Pharm. Jour., 112, p. 287.

Says that coconut oil would not make a good Brilliantine.

Armstrong, E.F., Allan, J. & Moore, C.W.

1925.

Coconut Paring Oil.

Jour. Soc. Chem. Ind., 44, p. 61. (Chem. & Drugg., 102, p. 458.)

Gives comparisons of the composition of coconut oils from parings and kernels.

Baughman, W.F.

1925.

Detection of Coconut and Palm Kernel Fats in Cacao Butter and Fat from Milk Chocolate.

Jour. Assoc. Off. Agr. Chem., 9, p. 703. (Chem. Abst., 20, p. 118; Yrbk. Br. Pharm. Con., 63, p. 126.)

Treat cacao butter and chocolate with Potassium Hydroxide and Hydrochloric Acid to test for the presence of coconut fat.

(Editor)

1925.

Cocoanut Oil Shampoo,

Bull. Pharm., 39, p. 43.

Gives a formula for Cocoanut oil shampoo.

(Editor)

1925.

Coconut Oil and Copra.

Chem. & Drugg., 103, p. 150.

Tells what coconut oil is, where it comes from and how it is obtained as well as some of its uses.

(Editor) 1925.

Commerce of Coconut Oil.

Chem. & Drugg., 103, p. 151.

Gives a table showing the imports and exports of coconut oil from 1913 to 1921 covering 20 countries.

(Editor) 1925.

Liquid Soap Shampoos.

Chem. & Drugg., 103, p. 540.

Gives several formulas for liquid soaps containing coconut oil with a discussion of each, also a table of saponification values.

(Editor) 1925.

Cocconut Oil Tariff.

Pharm. Jour., 114, p. 430.

A statement concerning Indian Import Duties on Cocconut oil.

Army, H.V. 1926.

Cocconut Oil.

Principles of Pharm., 3 ed., p. 655.

A brief statement as to the origin, composition and use of cocconut oil.

(Editor) 1926.

Saponification of Cocconut Oil.

Am. Drug. & Pharm. Rec., 74, July, p. 29.

Gives information regarding the manufacture of liquid soap containing coconut oil, discussing three formulas.

(Editor)

1926.

Coconut Oil Soap as a Germicide.

Pharm. Jour., 116, p. 7.

Cocoanut oil soap is the only soap active against typhoid bacillus at ordinary temperatures.

Sansone, R.

1927.

Detecting Cocoanut Oil in Cocoa Butter.

West. Drugg., 49, p. 43.

Reports on the detection of cocoanut oil in cacao butter.

Collin, C. & Hilditch, T.P.

1928.

The Component Glycerides of Coconut and Palm-kernel Fats.

Jour. Soc. Chem. Ind., 47, p. 261. (Quart. Jour. Pharm., 1, p. 622.)

Coconut fat breaks down into a mixture of lower fatty acids upon oxidation.

(Editor)

1928.

Coconut Oil Shampoo.

Chem. & Drugg., 108, p. 294.

Gives two formulas for making coconut oil shampoo with full directions.

(Editor)

1928.

Liquid Soap with Cocoanut Oil Base.

Drugg. Circ., 72, p. 398.

Gives a formula for a shampoo with cocoanut oil.

Grossfeld, J.

1928.

(Detection of Coconut Oil).

Z. Unters. Lebensm., 55, p. 354. (Quart. Journ. & Yrbk. Br. Pharm. Con., 1, p. 600.)

The greatest difference between coconut oil and butter fat is the proportion of caprylic acid.

Haertel, F.

1928.

Nachweis von Kokosfett in Kakaofett und Kakaowaren.

Pharm. Zentralh., 69, p. 37. (Quart. Jour. & Yrbk. Br. Pharm. Conf., 1, p. 444.)

Gives a method for the detection of coconut fat in cacao butter and chocolate by distillation.

List of Journals Consulted

- Am(erician) Drugg(ist) v. 14-20, 1884-1891.
- Am(erician) Drugg(ist) & Pharm(aceutical) Rec(ord), v. 22-72, 1892-1924.
- Am(erician) Drugg(ist), v. 73-81, 1925-1930.
- Am(erician) Jour(nal of) Pharm(acy), v. 1-101, 1825-1928.
- Bull(etin of the) Am(erician) Pharm(aceutical) Assoc(iation) v. 1-6, 1906-1911.
- Bull(etin of) Pharm(acy), v. 7-42, 1893-1928.
- Br(itish) & Col(onial) Drugg(ist), v. 12-68, 1887-1915.
- Br(itish) & Col(onial) Pharm(acist), 69-81, 1915-1928.
- Can(adian) Drugg(ist), v. 11-21, 1899-1909.
- Chem(ist) v. 1-6, 1824-1858.
- Chem(ist) & Drugg(ist), v. 1-112, 1859-1930.
- Drugg(ist) Circ(ular), v. 1-73, 1857-1929.
- Drug Bull(etin), v. 50-52, 1928-1930.
- Jour(nal of the) Am(erician) Pharm(aceutical) Assoc(iation), v. 1-18, 1912-1929.
- Mid(land) Drugg(ist), v. 1-60, 1889-1926.
- Nat(ional) Drugg(ist), v. 6-59, 1885-1929.
- N(ational) As(sociation of) R(etail) D(ruggists) Notes, v. 1-16, 1902-1913.
- N(ational) As(sociation of) R(etail) D(ruggists) Jour(nal), v. 18-49, 1914-1930.
- Pharm(aceutical) Era, v. 1-65, 1887-1928.
- Pharm(aceutical) Jour(nal), v. 1-124, 1841-1930.

Pharm(aceutical) Rev(iew), v. 14-26, 1896-1908.

Pharm(aceutische) Rund(schau), v. 1-13, 1883-1896.

Pharm(aceutical) Times, v. 1-5, 1846-1849.

Pharm(acist), v. 1-2, 1868-1870.

Pharm(acist) & Chem(ical) Rec(ord), v. 3-6, 1870-1873.

Pharm(acist) & Chem(ist), v. 3-18, 1874-1885.

Proc(eedings of the) Am(ericana) Pharm(aceutical) Assoc(ia-
tion) v. 1-59, 1851-1911.

Quart(erly) Jour(nal) & Y(ea)rb(oo)k (of the) Br(itish)
Pharm(aceutical) Con(ference), v. 1-2, 1928-1929.

West(ern) Drugg(ist), v. 4-50, 1882-1928.

Y(ea)rb(oo)k (of the) Am(ericana) Pharma(ceutical) Assoc(ia-
tion), v. 1-12, 1912-1923.

Y(ea)rb(oo)k (of the) Br(itish) Pharm(aceutical) Con(fer-
ence), v. 7-64, 1870-1927.

List of Books Consulted.

- Allen, A.H., Commer. Org. Anal. 2 ed., v. 2, - 1887.
- Army, H.V., Principles of Pharm. 3 ed., 1926.
- Berg, O.C. & Schmidt, C.F., Atlas Der Officinellen Pflanzen,
v. 1-4, 1893-1899.
- Copeland, E.B., The Coconut, ed. 1, 1914; ed. 2, 1921.
- Cox, J.R., Am. Dispens. 1 ed., 1806; 4 ed., 1818; 6 ed.,
1825; 7 ed., 1827; 9 ed., 1831.
- Flückiger, F.A., Grundlagen der Pharm. Waarenkunde 1873.
- Flückiger, F.A. & Tschirch, A., The Prin. of Pharmacog. 1887.
- Griffith, R.E., Medical Botany, 1847.
- Hayne, F.G., Darstellung und Beschreibung der Arzneigewachse,
v. 1-3, 1853-1856.
- Johnson, L., Medical Botany of N.A. 1884.
- King, J., Am. Dispens., 1 ed., 1852; 6 ed., 1864; 8 ed.,
1872; 10 ed., 1875; 15 ed., 1881; 16 ed., 1889; 18 ed.,
1898.
- Kohl, F.G., Die Officinellen Pflanzen der Pharmacopoea
Germanica, 1895.
- Kunth, K.S., Officinelle Gewachse D. Pharm. Borussica, 1835.
- Kunze, G., Pharm. Waarenkunde, v. 1, 1827, v. 2, 1834.
- (Lange, J.,) Flora Danica, Icones Plantarum Officinalium
Scandinavaiae, v. 1-3, (1885).
- Lindley, J. Flora Medica, 1838.
- Linne, C., Species Plantarum, 1 ed.,
- Marzell, H., Unsere Heilpflanzen, 1922.

- Müller, C., Medicinalflora, 1890.
- Nees v. Esenbeck, T.F.L. & Ebermaier, C.H., Handbuch der med.- pharm. Bot., v. 1-3; 1830-1832.
- Pabst, G., Kohler's Medizinal Pflanzen, v. 1-3; 1890-(1898).
- Pobeguïn, H., Les Plantes Medicinales de La Guinie, 1912.
- Pollock, A., A Botanical Index, 1872.
- Schleiden, M.J., Handbuch der Med. Pharm. Botanik, 1852.
- Stille, A. & Maisch, J.M., Nat(ional) Dispens(atory), 1 ed., 1819; 2 ed., 1879; 3 ed., 1884; 5 ed., 1894.
- Thacher, J., Am(eric)an New Dispensa(atory), 1 ed., 1810; 2 ed. 1813; 4 ed., 1821.
- Wood, G.B. & Bache, F., U.S. Dispens(atory), 2 ed., 1834; 3 ed., 1836; 4 ed., 1839; 5 ed., 1843; 7 ed., 1847; 9 ed., 1851; 10 ed., 1854; 12 ed., 1865; 13 ed., 1870; 14 ed., 1879; 15 ed., 1883; 17 ed., 1894; 19 ed., 1907; 20 ed., 1918; 21 ed., 1926.
- Woodville, W., Medical Botany, 2 ed., v. 1-4, 1810.
- Youngken, H.W. Pharm. Botany, 1914.

UNITED STATES PHARMACOPOEIA (O-X)

(1820-1920)

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(1888-1926)

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