

JASMINUM OFFICINALE, LINN.—JESSAMINE.

SYNONIMES:—Jasmin, FR.; Gelsomino, SPAN.

BRUNS.; HISP.; GALL.; FERR.; ROSS.; SAX.; WIRTEM.; BERGIUS.; BRUGNATELLI.; MURRAY and GMELIN.; SPIELMANN.

A shrub of the middle of Europe, and of the east. (*Diandria Monogynia*, LINN.; *Jasminea*, JUSS.; *Fig. Zorn. Ic. pl. t. 153.*)

The flowers (*Flores Jasmini*) are employ-

ed. They are white, pedunculated, disposed in corymbs. When fresh, they exhale an agreeable odour; their taste is bitterish.

SPIRIT OF JESSAMINE. (SPIELMANN)

R. Oil of Jessamine, sixteen ounces.
Alcohol, eighteen ounces.

Mix with agitation; then expose, to the cold, to congeal the oil, and pour off the spirit.

JATROPHA CURCAS, LINN.—ANGULAR-LEAVED PHYSIC-NUT.

SYNONIMES:—Pignon des Barbades, Medicinier, Grand Haricot du Pérou, FR.; Grosser Wunderbaum, Barbados-Nussbaum, GERM.; Mara-barulu, CAN.; Rata-endaru, CING.; Bagbarenda, HIND.; Dscharrak-pagger, JAV.; Caat amunak, TAM.; Nepala, Adiyze amida, TEL.

BRUNS.; GALL.; GUIBOUT; MURRAY and GMELIN.

A shrub of Brazil, Surinam, and Jamaica. (*Monæcia Monadelphia*, LINN.; *Euphorbiaceæ*, JUSS.; *Fig. Desc. Flore Ant. II. 141.*)

The seeds (*Semnes Ricini majoris, Nuc cathartica Americana, Nuc Barbadensis*) are

employed. They are oval, somewhat compressed, of the size of a filbert, rugose, and blackish. Their taste is acrid and burning. They are purgative.

OIL OF PHYSIC-NUT.

Oleum Ricini Americani. (VAN MONS)

R. Seeds of *Jatropha Curcas*, any quantity.

Bruise them in a mortar, enclose the paste in a linen bag, and express.

It is drastic and emetic; it is recommended in ileus, worms, and obstinate piles. —Dose, from half an ounce to two ounces.

JUGLANS.—WALNUT TREE.

Two species of this genus are employed in medicine:

1. *Juglans cinerea*.—Butter-nut or White Walnut Tree.

AMER.; COXE.

A tree of South America. (*Monæcia Polyandria*, LINN.; *Juglandææ*, CAND.; *Fig. Big. Med. Bot. II. 32.*)

The internal bark of the trunk and of the root is employed; it is purgative. The internal bark of the root is said, when fresh, to be vesicant.

2. *Juglans regia*, LINN.—Walnut Tree.

SYNONIMES:—Noyer commun, FR.; Nussbaum, Wallnus, GERM.; Akirut, Jowz,

Khusif, ARAB.; Walsky arech, BOHEM.; Ho-tao, CHIN.; Valnodd, DAN.; Aktrut, DUK.; and HIND.; Nogal, SPAN.; Noce, ITAL.; Olass-dio, MAL.; Girdigan, Charmingh, Jouzirumic, PERS.; Orzeszina wloska, POL.; Nogueira, PORT.; Greziak orechi, RUSS.; Walne Hrad, SWED.

ANT.; AUSTR.; BAVAR.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FERR.; FORM. HOP. FR.; GENÈV.; HAMB.; HANN.; HASS.; LIPP.; OLDEN.; POL.; BORUS.; ROSS.; SAX.; SEEC.; WIRTEM.; WURCEB.; BERGIUS.; BRUGNATELLI.; GUIBOUT; MURRAY and GMELIN.; PIDE-RIT.; SPIELMANN.; ZARDA.

This tree is originally of Persia, but is cultivated in every part of Europe (*Mo-*

nœcia Polyandria, LINN.; *Terebinthacea*, Juss.; *Fig. Flore Medic. V. 250.*)

The fruit (*Nux Juglans* seu *Juglandis*) is employed. It is an oval drupe. Its exterior envelope (*Cortex seu Putamen Nuclei Juglandis*) is green, fleshy, and of a bitter and extremely acerb taste. The nut which it covers (*Nucleus Nuclei Juglandis*) consists of a hard, shining, woody, yellow grooved shell, inodorous and insipid, containing a four-lobed oleaginous kernel, very irregular in its surface, covered with a yellowish, thin, astringent pellicle (*Epidermis Nuclei Juglandis*). It has an agreeable taste.

ANTI-HYDROPHOBIC ELECTUARY. (NIEMANN)

R. Ripe Walnuts, thirty.
Herb of Rue, one handful.
Honey, eight ounces.
Bruise together.

It is extolled by STRACHWITZ.—A spoonful to be taken morning and evening, before meals.

OIL OF WALNUTS.

Oleum Nucum juglandinum seu *Juglandis regia*. (ANT.; BRUNS.; HISP.; GALL.; HASS.; LIPP.; PALAT.; SAX.; SARD.; SUEC.; WIRTEM.; HERBIP.; BRUGNATELLI.; PIDERIT.; VAN MONS.)

R. Ripe Walnuts, any quantity.
Remove the shells and partitions; then having bruised them in a stone mortar with a wooden pestle, enclose the paste in a linen bag, and express it between two tin plates without heat.

When fresh, this oil may be substituted for that of almonds.

ROB OF WALNUTS.

Rob Nucum seu Corticis Nucum Juglandis regia, Rob Diacarii Galeni, Diacaryon. (AUSTR.; BRUNS.; FULD.; PALAT.; WIRTEM.; HERBIP.; NIEMANN.; SPIELMANN.)

R. Green Walnuts, one pound.
After having bruised them in a mortar, boil them for several hours with two pounds of water; express, and evaporate the liquor to the proper consistence, with an equal weight of despumated honey. (BRUNS.; FULD.; WIRTEM.; SPIELMANN.; SWEDIAUR.)

R. Expressed Juice of Green Walnuts, two pounds.
Honey, one pound.
Boil to a proper consistence over a slow fire, skimming. (AUSTR.; PALAT.; HERBIP.; NIEMANN.; SPIELMANN.)

It is slightly astringent and resolvent, but is principally designed for external use.

EXTRACT OF GREEN WALNUTS.

Extractum Nucum seu Juglandis seu Nucum juglandinum viridum. (AMER.; AUSTR.; BAVAR.; BRUNS.; DAN.; FENN.; HANN.; HASS.; LIPP.; POL.; BORUS.; ROSS.; SAX.; SUEC.; WIRTEM.; COXE.; NIEMANN.; VAN MONS.)

R. Walnuts gathered before maturity, any quantity.

Bruise them in a stone mortar, adding a little water; express the juice, and immediately evaporate it in a water-bath, constantly stirring towards the end with a spatula. (AUSTR.; BAVAR.; BRUNS.; DAN.; FENN.; HANN.; POL.; BORUS.; SAX.; SUEC.; NIEMANN.; VAN MONS.)

R. Walnut Rinds, one part.
Pure Water, six parts.

Boil together; and evaporate the strained liquor. (AMER.; HASS.; LIPP.; ROSS.; WIRTEM.; COXE.; PIDERIT.)

It is excitant, tonic, bitter, anti-scorbutic, and anthelmintic.—Dose, from half a scruple to half a dram.—It used formerly to be applied to cleanse foul ulcers, and also to syphilitic ulcers.

The extract of walnuts forms the basis of *Mittie's Anti-syphilitic Remedy*, of which ALYON and CADET DE GASSICOURT have given the two following different formulae:

1. *Alyon's formula*.
R. Walnut Leaves, } of each, an
Leaves of Smallege, } equal weight.
Buck-bean, }

Bruise together, express the juice, and evaporate it to the consistence of pilular mass.—Dose, from twelve to thirty-six grains daily.

2. *Cadet de Gassicourt's formula*.

R. Walnut Leaves, one ounce and a half.
Jalap, one ounce.
Leaves of Angelica, } of each,
Blessed Thistle, } four
Soap-wort, } ounces.

Make an infusion; evaporate, and divide the extract into pills of six grains each.

CADET DE GASSICOURT also prescribes the following syrup:

R. Walnut Leaves, twenty pounds.
Infuse them for twenty-four hours in hot water; pour the infusion upon
Leaves of Angelica, sixteen pounds.

Infuse again for twenty-four hours; keep the infusion hot in a water-bath, and after a time pour it upon

Leaves of Soap-wort, sixteen pounds.
Musk Roses, twelve ounces.
Common Roses, six ounces.
Senna, twenty-six ounces.

Leave to infuse for twenty-four hours; then dissolve in the infusion

Sugar, thirty-seven pounds.

Boil, clarify with white of egg, and reduce the liquor to the consistence of syrup.

MITTIE directed the patient to take eight pills in the morning, two hours before breakfast; and four, two hours before supper; he also directed him to take four spoonfuls of syrup in a glass of water in the morning, fasting, and two spoonfuls, two hours before supper.

ANTHELMINTIC DROPS.

Mixtura Nucum Juglandium. (HAMB.; AUGUSTIN)

R. Extract of Walnuts, two drams.
Cinnamon Water, one ounce.

Mix.—Dose, sixty drops to a child of two years, and one hundred to an adult.

TINCTURE OF WALNUT RINDS.

Essentia Corticis Viridis Nucum Juglandis. (DAN.)

R. Walnut Rinds, fresh and sliced, six ounces.
French Brandy, two pounds.

Digest in a moderate heat for four days, and filter.

It is bitter, astringent, tonic, and stimulant.

DECOCTION OF WALNUT RINDS.

Decoctionum Drupæ Juglandis regię seu Corticis viridis Nucum juglandium. (GENEV.; AUGUSTIN; NIEMANN)

R. Green Walnut Rinds, one ounce.
Boiling Water, ten ounces.

Boil for a quarter of an hour, and strain. (GENEV.; AUGUSTIN; NIEMANN)

R. Walnuts, gathered a short time before their maturity, and dried,

three ounces.
Spring Water, four ounces.

Boil down to one half, and add to the strained liquor

Honey, two ounces.

Dissolve. (GENEV.)

This drink is extolled in syphilitic disorders which do not yield to mercury, and in those which attack very irritable subjects. FRANK recommends it in lotions to herpetic ulcers.

COMPOUND INFUSION OF WALNUT RINDS.

Infusum Juglandis compositum. (VAN MONS)

R. Dried Walnut Rinds, } of each,
Walnut Leaves, } four handfuls.
Water, a sufficient quantity

to obtain eight pounds of strained infusion. Having let it stand for an hour, add

Muriate of Lime, one ounce and a half.

Mix.—It is astringent, and is employed externally in the form of baths, at the temperature of from 36 to 38 degrees R., in scrofula, tubercles of the lungs, and generally in all diseases of the lymphatic system.

POLLINI'S DECOCTION.

Decoctionum Drupæ Juglandis regię. (AUGUSTIN; FEE; NIEMANN; RATIER; SAUNDERS; SWEDIAUR; PH. SYPH.)

R. Walnut Rinds, ten ounces.
Sarsaparilla, } of each,
China Root, } half
Sulphuret of Antimony, } an ounce.
Pumice Stone, }
Water, sixty-four ounces.

Boil down to one half in a lightly-covered vessel. (AUGUSTIN; FEE; NIEMANN)

R. Sarsaparilla, } of each, two ounces.
China Root, }
Dried Walnut Rinds, one pound.
Sulphuret of Antimony, } of each,
Pumice Stone, } two ounces.
Water, twenty pounds.

Boil down to one half. (NIEMANN)

R. Sarsaparilla, three ounces.
China Root, one ounce and a half.
Sulphuret of Antimony, two ounces.
Entire Walnuts, fifty.
Water, ten pounds.

Boil. (SAUNDERS)

R. Walnut Rinds, eighteen ounces.
Sarsaparilla, } of each,
China Root, } half
Sulphuret of Antimony, in a bag, } an ounce.
Pumice Stone, in a bag, }
Water, eight pounds.

Macerate for twelve hours; then having boiled them in a covered vessel, take out the bags, and continue the boiling till only four pounds of liquid remain; then strain without filtering. (PH. SYPH.)

PH. SYPH. gives also under the name of *Decoctionum Syphiliticum roborans*, another formula,—four ounces of sulphuret of antimony, two each, of pumice stone, of sarsaparilla, and of china root, forty dried unripe walnuts, and twenty pounds of water, boiled till reduced to ten.

R. Dried Walnut Rinds, one ounce.
Sarsaparilla, } of each, two ounces.
China Root, }
Sulphuret of Antimony, four ounces.
Pumice Stone, two ounces.
Water, twenty pounds.

Boil down to one half. (FEE; SWEDIAUR)

R. Grey Cinchona, } of each,
Sarsaparilla, } three ounces.
Pumice Stone, } of each,
Sulphuret of Antimony, } one ounce
and a half.

Walnut Rinds, one pound.
Water, eight pounds.

Boil down to two pounds, and add when strained

Subcarbonate of Potass, two drams.

Dissolve. (RATIER)

It is stimulant and tonic, and is recommended in leprosy, tetters, and obstinate syphilitic disorders.—Dose, one pound morning and evening. It is also employed externally, in lotions.

JUNIPERUS.

Three species of this genus are employed in medicine:

1. *Juniperus communis*, LINN.—Juniper.

SYNONIMES:—Genevrièr commun, FR.; Wachholder, Kaddig, GERM.; Galowec, BOHEM.; Ene, Eneboer, DAN.; Enebro, SPAN.; Geneser, DUT.; Genepro, ITAL.; Jalowice, POL.; Zimbros, PORT.; En, SWED.

LOND.; DUBL.; EDINB.; AMER.; AMST.; ANT.; BATAV.; BAVAR.; BELG.; BRUNS.; DAN.; MIL. COPEN.; HISP.; GALL.; FENN.; FERR.; FORM. HÔP. FR.; FULD.; GENEV.; HAMB.; HANN.; HASS.; LIPP.; OLDEN.; LUSIT.; POL.; CAST. BORUS.; BORUS.; ROSS.; SAX.; SUEC.; WIRTEM.; HERBIP.; WURCEB.; BERGIUS.; BRUGNATELLI.; COXE.; GUIBOURT.; MURRAY and GMELIN.; PARIS.; PIDERIT.; SPIELMANN.; ZARDA.

A tree or shrub of Europe. (*Diaxia Monadelphica*, LINN.; *Conifera*, JUSS.; *Fig. Flore Medic. IV. 181*)

The wood, tops, and fruit are employed.

The wood (*Lignum Juniperi*, *Lignum cedrinum*) is solid, heavy, and very resinous; the bark is grey or reddish-brown without, and yellowish or reddish-yellow within. It has an agreeable and balsamic odour, and an aromatic, resinous, and bitterish taste.

The tops, or extremities of the branches, are slender, with sessile leaves, usually grouped in threes, narrow, hard, and pointed.

The fruit consists of spherical berries, blackish, of a resinous odour, and balsamic, bitterish taste, accompanied with a degree of sweetness.

Every part of the plant, but particularly the fruit, is considered powerfully diuretic. To the wood also are attributed anti-syphilitic properties.—Dose, from two to six drams, of the powder.

litic properties.—Dose, from two to six drams, of the powder.

CONSERVE OF JUNIPER. (SWEDIAUR)

R. Fresh Juniper Berries, eight ounces.
Bruise them, adding gradually

White Sugar, four ounces.

Heat slightly, that the sugar may be dissolved.

DIURETIC POWDER. (AUGUSTIN; NIEMANN)

R. Grated Juniper Berries, } of each,
Root of Burnet Saxifrage, } five grains.
Antimoniated Nitre, three grains.

Mix.—It is recommended by THEDEN. (NIEMANN)

R. Grated Juniper, } of each,
White Sugar, } an equal part.

Mix.—Dose, a tea spoonful, every two or three hours. (AUGUSTIN)

EXTRACT OF JUNIPER.

Extractum Juniperi. (ANT.; AUSTR.; BATAV.; BAVAR.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FERR.; FENN.; FORM. HÔP. FR.; FULD.; GENEV.; HANN.; HASS.; OLDEN.; PALAT.; POL.; BORUS.; ROSS.; SAX.; SARD.; WIRTEM.; HERBIP.; PIDERIT.; SWEDIAUR.; VAN MONS)

R. Herb of Juniper, one part.
Warm Water, four parts.

Infuse for forty-eight hours, occasionally stirring; then strain, set aside, and decant the liquor: finally evaporate it slowly to the consistence of an extract. (BAVAR.; GALL.; FORM. HÔP. FR.)

R. Juniper, any quantity.

Bruise it, moistening it with a little warm

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water and adding a little yeast; then let it ferment at a temperature of from 15 to 20 degrees, R., and strain with slight expression: reduce the liquor to one half by boiling, clarify with white of egg, and evaporate to the proper consistence. (VAN MONS)

R. Residue of the distillation of Spirit of Juniper, any quantity.

Clarify it, and evaporate to the proper consistence. (SWEDIAUR)

R. Bruised Juniper, eight pounds.
Hot Water, twelve pounds.

Digest for three days; then distil in an alembic till essential oil ceases to pass over with the water; set the oil apart, and express the residue strongly: evaporate the liquor to the consistence of an extract, and mix the oil intimately with it. (SARD.)

R. Bruised Juniper, four pounds.
Boiling Water, twelve pounds.

Digest for two or three days, and then boil till the berries become soft. Express, set aside the liquor, and evaporate it in a water-bath to the consistence of an extract. (HISP.)

GENEV.; HANN.; LIPP.; OLDEN.; BORUS.; and SAX. direct the berries to be softened by boiling them in water, then to be gently expressed, and the liquor to be evaporated to the consistence of honey.—POL.—to macerate them in water for two days without boiling, and to evaporate the expressed juice to the same degree.—FENN. to repeat the maceration with the same water till the berries become nearly tasteless, and to evaporate the liquor, without previous boiling, to the consistence of honey.

R. Juniper, one pound.
Water, four pounds.

Infuse in a water-bath; and to the strained infusion, depurated by repose, add

White Sugar, one pound.

Evaporate slowly to the consistence of honey. (ANT.)

VAN MONS directs to be macerated, for twelve hours, twelve parts of bruised juniper in forty-eight parts of water; then to strain the liquor through a sieve without expression, and to macerate the residue in twenty-four parts of water: to strain again; to mix the two infusions; and to add one part of white sugar; finally to clarify with white of egg, and to evaporate to the consistence of honey.—FERR.—to macerate, for two days, six pounds of juniper in twenty-four of water, and to repeat the maceration with fresh water till this comes off insipid; the mixed infusions to be strained, and two pounds of sugar added; the solu-

tion to be clarified with white of egg, and evaporated to the proper consistence.

R. Juniper, any quantity.

Reduce to a pulp with a sufficient quantity of water, and then boil in a sufficient quantity of water for half an hour; strain through a sieve and express the residue: dissolve one part of sugar in four parts of liquor, and evaporate to the consistence of honey. (AUSTR.; BATAV.; BELG.; DAN.; HAMB.; PALAT.; HERBIP.)

BRUNS.; FULD.; HANN.; ROSS.; WIRTEM.; PIDERIT; and SWEDIAUR prescribe one pound of sugar to eight pounds of berries submitted to boiling.

This extract when only reduced to the consistence of honey, and particularly when sweetened, takes the name of Rob of Juniper; *Rob Juniperi seu Baccarum Juniperi, Succus Juniperi inississatus.*

It is stimulant, aromatic, carminative, stomachic, diaphoretic, and diuretic.—Dose, from half an ounce to one ounce, in water.

DIURETIC ELECTUARY.

Electuarium de Junipero. (SARD.)

R. Rob of Juniper, } of each,
Despumated Honey, } one pound.
Juniper, } four ounces.
Cinnamon, } of each,
Dried Orange Peel, } half an ounce.

Melt the honey and rob together, with a gentle heat, and add the other substances in powder.

SOLUTION OF ROB OF JUNIPER.

Solutio Rob Juniperi. (NIEMANN)

R. Rob of Juniper, four ounces.
Juniper Water, two pounds.
Mix intimately, and add
Tincture of Juniper, two ounces.
Nitrous Æther, half an ounce.

Mix.—It is excitant, and is extolled by VAN SWIETEN in ascites.—Dose, one or two ounces, every three hours.

ELIXIR OF JUNIPER.

Elixir Juniperinum seu Maleaticum Juniperinum. (SPIELMANN)

R. Rob of Juniper, four ounces.
Madeira Wine, twelve ounces.

Mix well, and strain through linen.

It is excitant and is classed among the carminatives and diuretics.—Dose, one spoonful.

HYDRAGOGUE POTION.

Potio Juniperina. (AUGUSTIN; CADET DE GASSICOURT; NIEMANN; SAUNDERS)

R. Rob of Juniper, four ounces.
Juniper Water, two pounds.

Mix, and add

Spirit of Juniper, two ounces.

Mix. (AUGUSTIN; CADET DE GASSICOURT; NIEMANN)

R. Rob of Juniper, one ounce.
Juniper Water, six ounces.
Spirit of Juniper, half an ounce.
Spirit of Nitric Æther, half a dram.

Mix. (SAUNDERS)

Dose, two ounces, every two or three hours.

OIL OF JUNIPER.

Oleum Baccarum Juniperi athereum, Ætheroleum Baccarum Juniperi. (LOND.; DUBL.; EDINB.; AMER.; AMST.; ANT.; BATAV.; BAVAR.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FENN.; FULD.; GENEV.; HANN.; OLDEN.; LUSIT.; PALAT.; POL.; BORUS.; ROSS.; SAX.; SARD.; SUEC.; WIRTEM.; HERBIP.; BRUGNATELLI; COXE; SWEDIAUR)

Oleum Juniperi. (LOND.)

Oleum Volatile Juniperi communis.

(EDINB.)

Oleum Baccarum Juniperi. (DUBL.)

R. Juniper Berries, bruised,
any quantity.

Water, a sufficient quantity

to prevent empyreuma. Distil, and separate the oil.

The same is required by AMER.; AMST.; BATAV.; BELG.; FENN.; FERR.; GENEV.; LUSIT.; ROSS.; SUEC.; and COXE.

BAVAR. prescribes one part of juniper and three parts of water.—FERR.; FULD.; and SWEDIAUR—one of juniper and four of water.—DAN.; and VAN MONS—one of juniper and six of water.—HANN.; OLDEN.; POL.; BRUNS.; and SAX.—one of juniper and eight of water.—GALL.—five of juniper and seven of water.—ANT.; and BRUGNATELLI—three of juniper and ten of water.—HISP.—one of juniper and forty of water.

R. Juniper Berries, four parts.
Water, sixteen parts.
Muriate of Soda, one part.

Macerate for three days, and distil.—(BRUNS.; PALAT.; SARD.; WIRTEM.)

R. Juniper Berries, any quantity.

Juniper Water, a sufficient quantity.
Macerate for twelve hours, and distil. (HERBIP.)

Dose, from two to ten drops, in an appropriate vehicle.

OIL OF JUNIPER WOOD.

Oleum Ligni Juniperini athereum, Ætheroleum Juniperini Ligni. (AUSTR.; HANN.; PALAT.)

R. Juniper Wood, one part.
Water, eight parts.

Distil. (HANN.)

PALAT. prescribes one part of wood and six parts of water.—AUSTR.—one of wood and twelve of water.

SARD. speaks of another oil obtained by distilling the rasped wood at the open fire, and separating from the fetid oil the clear liquor which passes over with it.

OLEO-SACCHARUM OF JUNIPER. (CAST. BORUS.)

R. Essential Oil of Juniper, twelve drops.
Sugar, half an ounce.

Triturate together

STIMULANT POWDER. (AUGUSTIN)

R. White Sugar, half an ounce.
Essential Oil of Juniper, three drops.

Mix intimately, and add

Muriate of Soda, one dram.

Divide into twelve parcels.—Dose, three daily; in white swellings of the joints.

JUNIPER WATER.

Aqua Juniperi. (AUSTR.; BAVAR.; GALL.; HASS.; LIPP.; CAST. BORUS.; SAX.; HERBIP.; BRUGNATELLI; NIEMANN; PIDERIT; SWEDIAUR; VAN MONS)

R. Juniper, two parts.
Water, fifteen parts.

Distil four parts. (GALL.)

BAVAR. and NIEMANN prescribe one of juniper and five of water; two to be distilled.—HERBIP.—one of juniper and twelve of water.—AUSTR.—one of juniper and ten of water; six to be distilled.—BRUGNATELLI—one of juniper and twelve of water; four to be distilled.—HASS.; LIPP.; and PIDERIT—the same, but six to be distilled.—SAX.—one of juniper and twenty-two of water; fifteen to be distilled.—SWEDIAUR—one part of juniper and a sufficient quantity of water; twenty parts to be distilled.

R. Fresh Leaves of Juniper, one part.
Proof Spirit, one half part.
Water, one hundred and sixty parts

Distil forty parts, draw off the oil, and preserve the water. (VAN MONS)

R. Oleo-saccharum of Juniper, one dram.
Distilled Water, eight ounces.
Dissolve. (CAST. BORUS.)

SPIRIT OF JUNIPER.

Spiritus Juniperi. (ANT.; BRUNS.; FULD.; HANN.; HASS.; LIPP.; PALAT.; WIRTEM.; HERBIP.; PIDERIT.; VAN MONS)

R. Juniper, one part.
Alcohol, twelve parts.

Macerate for twenty-four hours, and distil. (FULD.; HASS.; PIDERIT)

ANT.; and LIPP. prescribe one part of juniper and twelve parts of alcohol.—BRUNS.; PALAT.; WIRTEM.; and HERBIP.—one of juniper and two of alcohol.

R. Juniper, one part.
Alcohol, four parts.
Water, a sufficient quantity.

Distil at the end of twenty-four hours. (HANN.)

R. Juniper, fifteen pounds.
Sugar, half a pound.
Yeast, two ounces.

Add a sufficient quantity of warm water to mix the whole well together, expose it to the temperature of from + 15 to + 18 degrees R.; after the fermentation, pour it into an alembic: add twice its quantity of water, and eight pounds of spirit from grain. Distil a spirit marking from 18 to 20 degrees.

COMPOUND SPIRIT OF JUNIPER.

Spiritus Juniperi compositus, Alcohol Juniperi compositum. (LOND.; EDINB.; DUBL.; AMER.; BATAV.; BELG.; SUEC.; COXE; SWEDIAUR; VAN MONS)

R. Juniper Berries, bruised, one pound.

Caraway Seeds, } of each,
bruised, } one ounce
Fennel Seeds, } and a half.
bruised, }

Proof Spirit, one gallon.
Water, a sufficient quantity

to prevent empyreuma. Macerate for twenty-four hours, and distil one gallon with a moderate heat. (LOND.)

DUBL. gives the same formula, but requires the maceration to be continued for two days.

EDINB. requires nine pounds of

alcohol and the same quantity of the other ingredients as LOND.; and nine pounds to be distilled after two days maceration.

AMER.; BATAV.; BELG.; SUEC.; COXE; and SWEDIAUR give the same formula.

R. Juniper Berries, six parts.
Fresh Leaves of Black Currant, one part.

Seeds of Wild Carrot, } of each,
Black Currant, } two parts.
Spirits from Grain, thirty-six parts.
Water, one hundred and eight parts.

Distil twenty-four parts. (VAN MONS)
It is carminative and diuretic.—Dose, from two to four drams.

LINIMENT OF JUNIPER.

Linimentum Juniperinum. (AUGUSTIN)

R. Spirit of Juniper, two ounces.
Oil of Cloves, } of each,
Expressed oil of Nutmeg, } half a dram.

It is extolled by ROSENSTEIN in ecchymoses and cold tumours.—CHRISTEN employs it in frictions to the spine and loins in women disposed to abortion.

DIURETIC LINIMENT.

Linimentum resolvens et diureticum. (BRERA)

R. Spirit of Soap, three ounces.
Juniper, one ounce.

Mix.—To be rubbed upon the abdomen, morning and evening, in ascites with debility.

HYDRAGOGUE TINCTURE. (BORIES)

R. Root of Round Birthwort, } of each,
Long Birthwort, } one ounce
Ginger, } and a half.
Horse-radish, } of each,
Dried Squill, } half an ounce.
Tops of Wormwood, } of each,
Lesser Centaury, } one ounce.

Juniper, half an ounce.
Subcarbonate of Potass, six pounds.
Spirit of Juniper, one ounce.

Macerate for eight days, and filter.
It is excitant and diuretic. BOERHAAVE recommended it in dropsy.—Dose, one ounce, four times a day.

INFUSION OF JUNIPER.

Infusum Baccharum Juniperi. (CAST. BORUS.; WURCEB.; AUGUSTIN.; NIEMANN.; RATIER)

R. Bruised Juniper Berries, one ounce and a half.
Boiling Water, one pound and a half.

Digest in a covered vessel for half an hour, and strain. (CAST. BORUS.; WURCEB.; AUGUSTIN)

RATIER prescribes two drams of juniper and two pounds of water.—NIEMANN—one ounce of juniper and a sufficient quantity of water to obtain three ounces of strained infusion.

It is aromatic and slightly diuretic; and is recommended in the treatment of dropsies.—Dose, a glassful.

COMPOUND INFUSION OF JUNIPER.
(SAUNDERS)

R. Bruised Juniper Berries, two ounces.
Juniper Water, two pounds.

Digest for three hours in a moderate temperature; then strain, and add

Rob of Juniper, two ounces.
Oxymel of Squill, one ounce and a half.

Mix.—It is diuretic.

DECOCTION OF JUNIPER LEAVES.

Decoctum Juniperi. (SAUNDERS; SWEDIAUR)

R. Tops of Juniper, three ounces.
Water, four pounds.

Boil down to two pounds, and add towards the end,

Juniper, one ounce.

Strain.—It is stimulant and diuretic; and is recommended in dropsy, asthma, and diseases of the skin.—Dose, from four to eight ounces, thrice a day.

DECOCTION OF JUNIPER WOOD.

Decoctum Ligni Juniperi. (NIEMANN)

R. Shavings of Juniper Wood, half an ounce.
Spring Water, sixteen ounces.

Boil down to one half, and strain.

This used formerly to be recommended in the treatment of syphilitic diseases: the eight ounces were taken in the course of the day.

DIURETIC PTISAN.

Potus diureticus. (SAINTE-MARIE; SWEDIAUR)

R. Bruised Juniper Berries, one handful.
Water, one pound and a half.

Boil for half an hour, and add when strained,

Syrup of Seneca, two ounces.
White Wine, eight ounces.

Mix. (SAINTE-MARIE)

R. Juniper, } of each,
Mustard Seeds, } one ounce.

Carrot Seeds, six drams.
Leaves of Wormwood, three drams.
Beer, four pounds.

Infuse without heat, and strain. (SWEDIAUR)

CARMINATIVE DECOCTION.

Decoctum Fructuum Juniperi carminativum, Potus carminativus. (HISP.)

R. Juniper, } of each,
Seeds of Anise, } one ounce.
Muriate of Ammonia, }
Chamomile Flowers, two ounces.
Water, four pounds.

Boil slightly, and add to the strained decoction

Proof Spirit, one pound.

Mix.

DIURETIC WINE.

Vinum Juniperinum. (AUGUSTIN)

R. Juniper, } of each,
Mustard Seeds, } half an ounce.
Horse-radish, }
Sub-carbonate of Potass, }
Rhenish Wine, half a pound.
eight pounds.

Digest for several days, and strain.

R. Root of Zedoary, } of each, two drams.
Squill, }
Juniper, }
Cinnamon, three drams.
Sub-carbonate of Potass, one dram and a half.

Rhenish Wine, one pound and a half.

Digest, and strain.

OINTMENT OF JUNIPER. (VAN MONS)

R. Bruised Juniper Buds, one part.
Melted Lard, two parts.

Macerate for two hours, and strain with strong expression.

2. *Juniperus Virginiana*, LINN.—Virginian Juniper, Common Red Cedar Tree.

AMER.; COXE.

A tree of North America. (*Diaxia Monadelphia*, LINN.; *Conifera*, JUSS.; Pluk. *Alm.* 201. t. 197. f. 4.)

The leaves are very simple, lancet-shaped and pointed. When young they may be used for savine.

CERATE OF VIRGINIAN JUNIPER.

Ceratum Juniperi Virginiana. (AMER.; COXE)

R. Leaves of Virginian Juniper, one part.
Cerate of Resin, six parts.

Mix.

3. *Juniperus Sabina*, LINN.—Savine.

SYNONIMES:—Sabine, FR.; Sadebaum, Sevenbaum, GERM.; Sawina neb klasfeterska chwogka, BOHEM.; Sevenbom, DAN.; Sabina, ITAL.; SPAN.; and PORT.; Sevenboom, DUT.; Sawina, POL.; Sæfwenbom, SWED.

LOND.; EDINB.; DUBL.; AMER.; AMST.; ANT.; AUSTR.; BATAV.; BAVAR.; BELG.; BRUNS.; DAN.; HISP.; GALL.; FENN.; FERR.; FULD.; GENEV.; HAMB.; HANN.; HASS.; LIPP.; OLDEN.; LUSIT.; POL.; BORUS.; ROSS.; SAX.; SUEC.; WIRTEM.; HERBIP.; WURCEB.; BERGIUS.; BRUGNATELLI.; COXE.; GUIBOURT.; MURRAY and GME-LIN.; PARIS.; PIDERIT.; SPIELMANN.; ZARDA.

A shrub of the middle of Europe and of the Levant. (*Diæcia Monadelphia*, LINN.; *Conifera*, JUSS.; *Fig. Zorn, Ic. pl. t. 525.*)

The leaves (*Folia seu Herba Sabinae*) are employed. They are oval, opposite, rather acute, and convex at the back. They have a resinous, aromatic, and very penetrating odour. Their taste is very bitter.

It is powerfully stimulant, irritant, and emmenagogue.

CONSERVE OF SAVINE.

Conserve Sabinae. (HANN.; POL. SAX.; SWEDIAUR)

R. Bruised Leaves of Savine, one part.
White Sugar, two parts.

Triturate together. (POL.; SAX.; SWEDIAUR)

HANN. prescribes one part of leaves, and three parts of sugar.

EMMENAGOGUE POWDER. (ELLIS)

R. Savine, } of each, one dram.
Ginger, }
Sulphate of Potass, two drams.

Make six parcels.—Dose, one twice a day.

VERMIFUGE POWDER. (ELLIS)

R. Savine, twelve grains.
Senna, } of each, two scruples.
Indian Pink, }

Make six parcels.—One to be taken for three successive days, in the morning; and afterwards a dose of castor oil. The treatment to be re-commenced, if necessary.

EMMENAGOGUE BOLUSES. (BRERA; CADET DE GASSICOURT)

R. Powdered Savine, one dram.
Syrup of Mugwort, a sufficient quantity.

Extract of Birthwort, }
Mugwort, } of each,
Powdered Saffron, } half a dram.
Castor, }

Make thirty-six boluses.—Dose, one three or four times a day, in amenorrhœa. (CADET DE GASSICOURT)

R. Extract of Savine, four grains.
Powdered Yew Leaves, six grains.
Despumated Honey, } of each,
Powdered Liquorice, } a sufficient quantity.

Make six boluses.—Dose, one every three hours. (BRERA)

EMMENAGOGUE PILLS. (NIEMANN)

R. Extract of Savine, half an ounce.
Powdered Savine, two drams.
Oil of Savine, a sufficient quantity.

Make pills of two grains each.—Dose, eight morning and evening.

R. Powdered Savine, } of each,
Extract of Chamomile, } one dram and
Black Oxide of Iron, } a half.
Extract of Aloes, } of each,
fifteen grains.

Make pills of two grains each.—Dose, six.—In chlorosis.

ANTI-ARTHRITIC ELECTUARY. (HAMB.)

R. Powdered Savine, one dram.
Sweet Flag, two drams.
Honey, two ounces.

Mix.

AQUEOUS EXTRACT OF SAVINE.

Extractum Sabinae aquosum. (FERR.; PALAT.; SAX.; WIRTEM.)

R. Tops of Savine, one pound.
Water, six pounds.

Macerate for four days in a warm place; then boil for a short time, express, and evaporate to the consistence of an extract. (PALAT.; WIRTEM.)

FERR. directs one part of savine to be boiled in three parts of water, and the decoction to be clarified and evaporated.

R. Tops of Savine, one part.
Water, eight parts.

Infuse for twenty-four hours; then boil for a quarter of an hour, and strain with strong expression: boil the residue with four parts of water. Mix the two decoctions, and after twenty-four hours' repose, evaporate to the proper consistence. (SAX.)

ALCOHOLIC EXTRACT OF SAVINE.

Extractum Sabinae alcoholicum. (HERBIP.)

R. Tops of Savine, } of each,
Alcohol, } one pound.
Water, } eight pounds.

Digest for three days in a moderate temperature; then express, set aside and decant the liquor: distil off the alcohol, and evaporate the residue to the proper consistence.

DECOCTION OF SAVINE.

Decoctum Sabinae. (NIEMANN)

R. Herb of Savine, one ounce.
Boiling Water, one pound.

Boil down to six ounces; then strain, and add

Syrup, one ounce.

Mix.—Dose, two spoonfuls every two hours.

INFUSION OF SAVINE.

Infusum Sabinae. (AUGUSTIN)

R. Herb of Savine, one dram.
Boiling Water, seven ounces.

Infuse, and strain.—Dose, a spoonful every two hours.—RAU extolled it in asthenic inflammations of the uterus and bladder.

ALKALINE TINCTURE OF SAVINE.

Tinctura Sabinae kalina seu arthritica.
(AUGUSTIN; NIEMANN; SWEDIAUR;
VAN MONS)

R. Fresh Leaves of Savine, one ounce.
Alcoholic Solution of Potass, six ounces.

Digest for four days. (AUGUSTIN; NIEMANN; VAN MONS)

This tincture may be prepared extemporaneously by dissolving two drams of essential oil of savine in six ounces of alkaline tincture.

SWEDIAUR prescribes one ounce of savine, and eight ounces of alkaline tincture.

TINCTURE OF SAVINE.

Tinctura seu Essentia Sabinae. (HAMB.)

R. Leaves of Savine, one part.
Alcohol, six parts.

Digest for several days, express, and filter.—Dose, thirty drops several times a day.

EMMENAGOGUE POTION. (ELLIS)

R. Tincture of Savine, one ounce.

Tincture of Black Hellebore,
half an ounce.
Castor, two drams.

Mix.—Dose, forty drops thrice a day.

CERATE OF SAVINE.

Ceratum seu Unguentum Sabinae. (LOND.;
DUBL.; EDINB.; AMER.; BAVAR.;
SUEC.; COXE; NIEMANN; SWEDIAUR;
VAN MONS)

Ceratum Sabinae. (LOND.)

R. Fresh Leaves of Savine, bruised,
one pound.

Yellow Wax (140 degrees),

half a pound.

Prepared Lard (97 degrees),

two pounds.

Melt the lard and wax together, and boil the leaves in the mixture; then strain through a linen cloth.

Unguentum Juniperi Sabinae.

(EDINB.)

R. Fresh Leaves of Savine,

two parts

Yellow Wax, one part.

Lard, four parts.

Melt the wax and lard together, boil the leaves in the mixture, and strain through a cloth.

Unguentum Sabinae. (DUBL.)

R. Fresh Leaves of Savine, freed
from the stalks, and bruised,

half a pound.

Lard, two pounds.

Yellow Wax, half a pound.

Boil the leaves in the lard till they are crisp, and express; then melt the wax in the impregnated lard.

BAVAR.; SUEC.; NIEMANN; SWEDIAUR; and VAN MONS give the same formula as EDINB.

AMER.; and COXE direct six parts of cerate of resin to be mixed with one part of powdered savine.

It is employed as an epispastic.

OIL OF SAVINE.

Oleum Sabinae aetherium, Aetheroleum Sabinae. (EDINB.; DUBL.; AMST.; ANT.;
AUSTR.; BRUNS.; GALL.; FERR.; FULD.;
HANN.; HASS.; OLDEN.; PALAT.; POL.;

BORUS.; ROSS.; SAX.; HERBIP.; SARD.; COXE.; PIDERIT.; SWEDIAUR.; VAN MONS)

Oleum Herbae Juniperi Sabinæ.
(EDINB.)

Oleum Foliorum Sabinæ. (DUBL.)

R. Leaves of Savine, any quantity.
Pure Water,

a sufficient quantity

to prevent empyreuma. Distil.

AMST.; FERR.; ROSS.; and COXE give the same formula.

FULD.; and SARD. prescribe one part of savine and three parts of water.—SWEDIAUR.—one of savine and four of water.—VAN MONS.—one of savine and six of water.—HANN.; OLDEN.; POL.; BORUS.; and SAX.—one of savine and eight of water.—AUSTR.—one of savine and twelve of water.—ANT.—six of savine and twenty of water.—GALL.—five of savine and seven of water.

R. Herb of Savine, twenty-five parts.
Water, sixty-four parts.
Muriate of Soda, three parts.

Distil. (BRUNS.; HASS.; PALAT.; PIDERIT)

R. Herb of Savine, any quantity.
Distilled Water of Savine,
a sufficient quantity.

Distil. (HERBIP.)

Dose, from four to twenty drops, in common drink.

EMMENAGOGUE POTION. (CADET DE GASCOURT.; RATIER)

R. Mugwort, five ounces.
Syrup of Orange-flowers, one ounce.
Orange-flower Water, half an ounce.
Oil of Rue, } of each, six drops.
— Savine, }

Mix.—To be taken by spoonfuls.

SAVINE WATER. (HERBIP.; PIDERIT)

R. Herb of Savine, one part.
Water, eight parts.

Macerate for twenty-four hours, and distil eight parts. (PIDERIT)

HERBIP. prescribes one part of savine and six parts of water.

SPIRIT OF SAVINE.

Spiritus Sabinæ. (HANN.; AUGUSTIN)

R. Herba Sabinæ, one part.
Alcohol, four parts.
Pure Water, a sufficient quantity.

Macerate for twenty-four hours, and distil.

STIMULANT LINIMENT. (AUGUSTIN)

R. Spirit of Savine, six ounces.
Oil of Savine, one dram.

Mix.—To be used in gout.

JUSTICIA.

Two species of this genus of plants are mentioned in pharmacopœias:

1. *Justicia Adhatoda*, LINN.—Malabar Nut.

SYNONIMES:—Adhatoda, Noyer de Ceylan, FR.; Adhatoda, CYNG.; Urus Vatica, Attaruscha, SANS.; Adatodey alley, TAM.; Adasara paku, TEL.

WIRTEM.; AINSLIE.; SPIELMANN.

A shrub of Ceylon. (*Decandria Monogynia*, LINN.; *Acanthaceæ*, JUSS.; *Fig. Pluk. Alm. IX. t. 173.*)

The leaves are employed; they are wide, oval, lanceolated, acuminate, green above, whitish beneath, and marked with large nervures. They have a bitter taste.

They are reputed emmenagogue and ecoprotic.

2. *Justicia pectoralis*, LINN.

SYNONIMES:—Carmantine pectorale, Herbe aux charpentiers, FR.

GALL.

A plant of the Antillas. (*Diandria Monogynia*, LINN.; *Acanthaceæ*, JUSS.; *Fig. Jacq. Austr. III. tab. 3.*)

The herb is employed; it consists of quadrangular, nodose, glabrous stems, and of opposite, linear, lanceolated, pointed, entire, glabrous leaves.

It is slightly astringent.